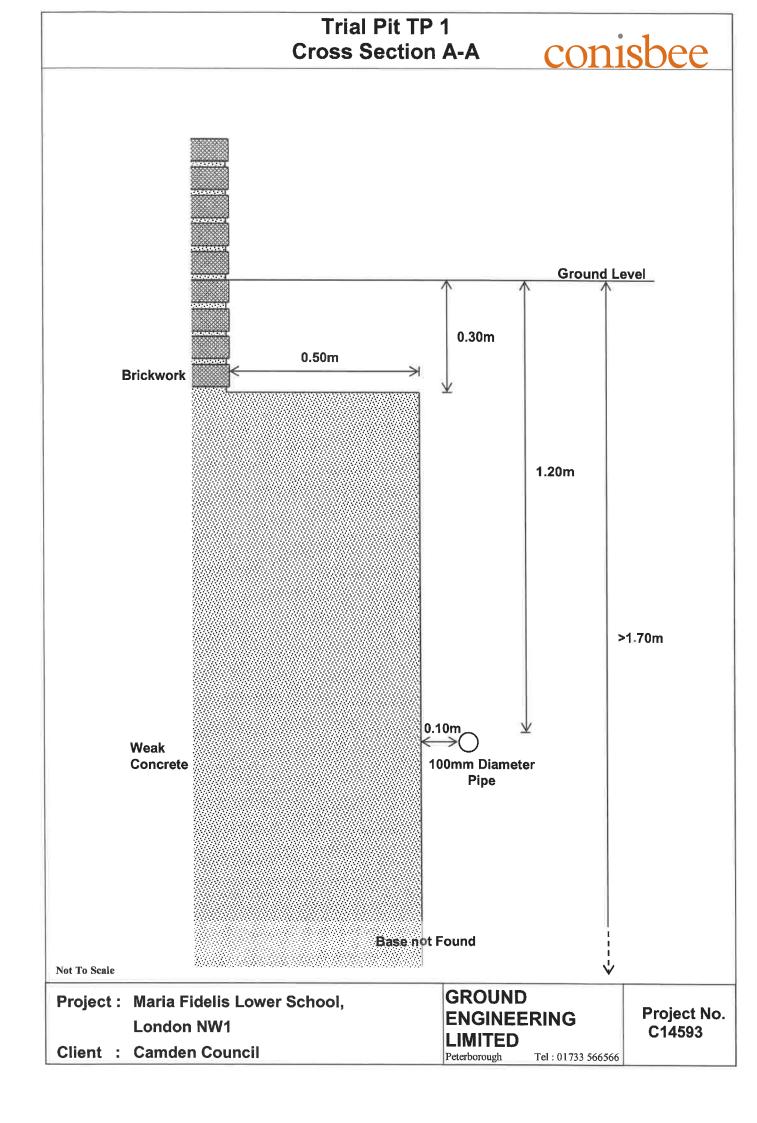
GROUN	D ER	NG	Site:	MARIA	FIDELI	s LOW	ER SCHOOL	L, LONDO	N NW1	CO	Wills	WS3	
L I M I Tel: 01733-566566 www.groundengine		E D	Date: 23,	e: Hole Size: 87mm dia to 2.00m 23/10/18 77mm dia to 3.00m 57mm dia to 5.45m						Ground Level:	25.30)m. O.D.	
Samples and in		T	(Date) Water			ı	Description of S	trata			Legend	Depth	O.D. Level
Depth m	Туре	Result		MADE 0	GROUND - A	SPHALT.						m 0.15	m 25.15
				MADE (cobble mortar	GROUND - I es of brid r fragment	oark gre ck. Grav	y SAND AND el of flint	GRAVEL with , brick, as	occasio	onal od		0.50	24.80
3 1 1				mottle Grave	ed, slight	tly sand t, brick	y, slightly , concrete,	rown and da gravelly, clinker an	rk grey silty Cl d ash fi	AY. agments.			_
1.30-2.00	U1			Firm,	brown, oi	ange br	own and gre	y mottled,	slightly	,	ис	1.50	23.80
2.00-3.00	U2			gravė fragme (HEAD	lly, silty ents, with DEPOSIT)	/ CĽAY. n iron s	Gravel of f taining on	y mottled lint and (i gravel.	mestone'		x c x		
				Stiff	, brown, o	orange b	rown, grey	mottled sil	ty CLAY	with	××	2.20	23.10
3.00-4.00	U3			N CHIGH	IV WEATHE	SED IUNU	ION CLAY)	AY with gre		- 6	X	2.50	22.80
											1		-
3.30 3.60	V1 V2	(105)		(WEATI	HERED LONI	DON CLAY	')				*		
3.90 4.00-5.00 4.10	V3 U4 V4	(107) (140+)		thick	th rare so , weak, ro 40m depth	elenite ed browr	crystals fr argillaceo	om 4.00m de us concreti	pth and onary l	a 50mm imestone			=
4.50	V5	(126)									1	4.80	20 50
4.90	V6	(140+)		Stiff	, closely	fissure	ed, grey bro	wn CLAY.			1	4.80	20.50
5.00 5.15-5.45	s	N20		(LOND	ON CLAY)						X	5.45	19.85
REMARKS 1.	Starte	er pit	<u>I</u> excavate	d from C).00m to 1	.30m de	pth				1	Proje	ct No
												Scale 1:50	Page 1/1
KEY			les Cr			Gro	undwater Str	rikes		Grou		Observat	ions
D - Disturbed Sar B - Bulk Sample		М -	Jar Sampl Mackintos	h Probe	No Struck	Rose to	Depth m Rate	Cased	Sealed	Date	Hole	Depth m Casing	Water
U - Undisturbed S W - Water Sample ▼ Water Strike ▼ Depth to Water on completion	e ter	P() -	Vane She Cohesion Hand Pend Cohesion Standpipe	() kPa etrometer () kPa						23/10/18	5.45		dry

GROUNI ENGINE	Site: 1	(ARIA	FIDELIS LOWER SCHOOL, LONDON NW1	118	AP TP1	e	
L I M I Tel: 01733-566566 www.groundengine	T E D	Date:	10/18	Pit Size: 0.80m L x 0.40m W x 1.30m D. Hole Size: 70mm dia to 1.70m	Ground Level:	25.65	m. O.D.
Samples and in-		(Date) Water		Description of Strata	Legend	Depth	O.D. Level
Depth m	Type Resul	Water	MADE	GROUND - ASPHALT.		0.10	m 25.55
0.30 0.30	D1 ES1			GROUND - Brown and dark brown, silty SAND AND GRAVEL occasional cobbles of brick. Gravel of flint, brick sphalt fragments.		0.40	25.25
0.70 0.70	D2		cobbl fragm	GROUND - Brown, clayey SAND AND GRAVEL with occasional e size voids. Gravel of brick, mortar and slate ents.			
É	ES2						(2
1.00	D3 ES3						
1.60-1.70 1.60-1.70	D4 ES4		Pit a	bandoned at 1.70m depth		1.70	23.95
			PIT 8	pandoned at 1./Um depth			
KEY		DELA DE					
D - Disturbed B - Bulk Sam U - Undisturt R - Root San W - Water Sa ES - Environm ▼ Water St	ANAMEN	51. No 2. Pit 3. Pit 4. 100 5. Pit 6. Pit auger	live roots observed : dry : sides stable Dmm diameter gas pipe at 1.20m depth t extended from 1.30m to 1.70m depth using hand auger to t abandoned at 1.70m depth, unable to extend further wit	ols h hand			
▼ Water Ri ▼c Level on MP - Mackinto P() - Hand Per Cohesion					145		
V - Vane Sh Cohesion	ear Test					Scale 1:25	Page 1/1



Trial Pit TP 1 Photographs

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Project: Maria Fidelis Lower School,

London NW1

Client: Camden Council

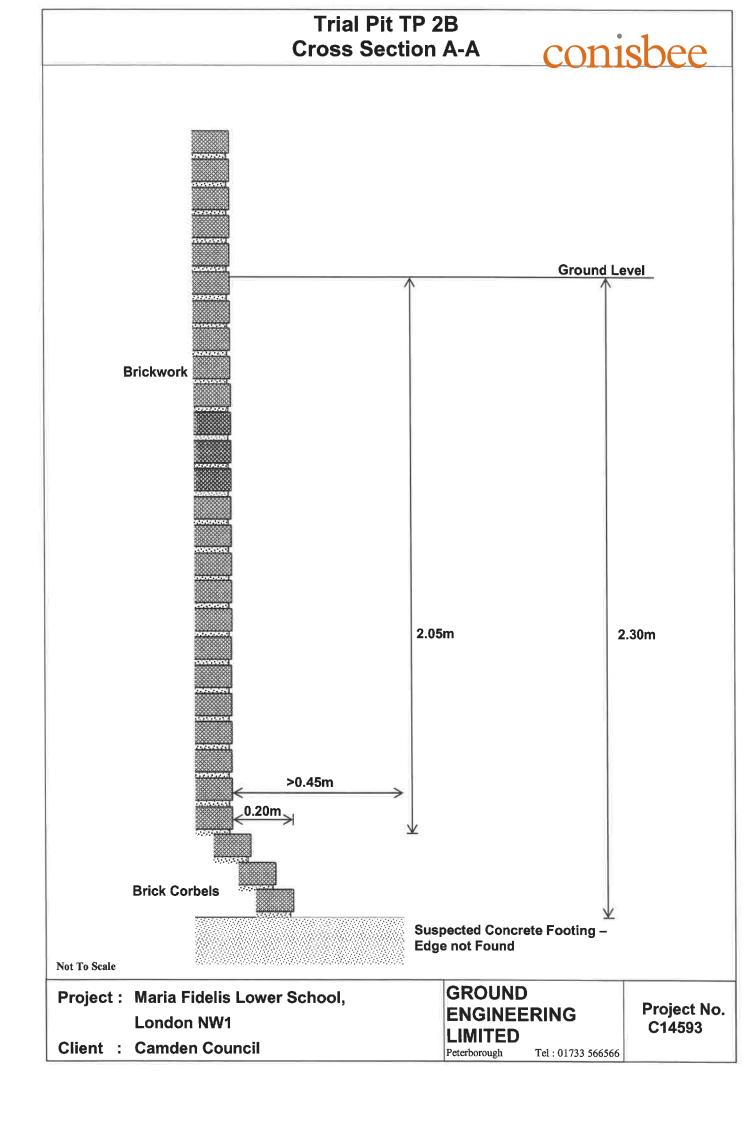
GROUND ENGINEERING LIMITED

Peterborough

Tel: 01733 566566

GROUND ENGINEERING		MARIA	FIDELIS	LOWER	SCHOOL,	LONDON N	VI CO	118	ADPI	e
L I M I T E D Tel: 01733-568566 www.groundengineering.co.uk	Date:	0/18								
	(0.1)		Leve							o.D.
Samples and in-situ Tests Depth m Type Result	(Date) Water				cription of Strate	a		Legend	Depth m	Level m
		MADE (GROUND - AS GROUND - CO	NCRETE.					0.05 0.20	25.60 ± 25.45
		Pit al	bandoned at	0.20m de	pth				0.20	
										_
										1
										2
3										
										-
20	1									
										3
										2
										7.
KEY	REMARKS	1. Pi+	abandoned	at 0.20m	depth due	to suspected	service	ļ		
D - Disturbed Sample B - Bulk Sample U - Undisturbed Sample			. abandonea	at orton	deptil dde	to dispected	SCI VICE			
R - Root Sample W - Water Sample										
ES - Environmental Sample ▼ Water Strike										
▼ Water Rise ▼c Level on completion MP - Mackintosh Probe										ect No
P() - Hand Penetrometer Cohesion () kPa V - Vane Shear Test									145 Scale	Page
Cohesion () kPa	1								1:25	1/1

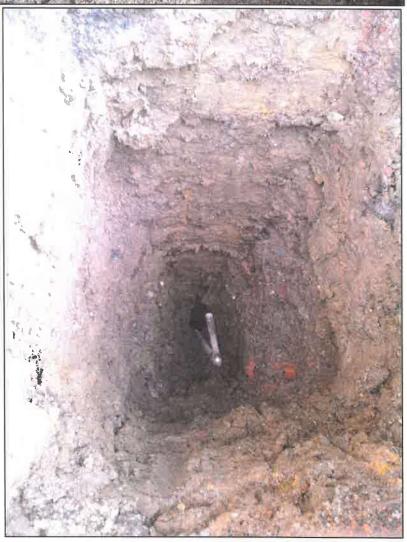
GROUN	D ERi	NG	Site: 1	MARIA	FIDELIS LOWER SCHOOL, LONDON NW1		IAIP P2E			
L I M I T E D Tel: 01733-566566 www.groundengineering.co.uk			Date: 23/	10/18	Ground Level:	25.70m. O.D.				
Samples and in	n-situ Te		(Date) Water		Description of Strata	Legend	Depth m	O.D. Level m		
-					MADE GROUND - ASPHALT. MADE GROUND - Dark grey, silty SAND AND GRAVEL. Gravel of limestone, brick and asphalt fragments.					
0.30 0.30	D1 ES1						0.35	25.35		
0.60 0.60	D2 ES2			grave Grave fragm	GROUND - Soft, brown, slightly sandy, slightly lly, silty CLAY with occasional cobbles of brick. l of flint, quartzite, brick, asphalt and slate ents.					
0.90 0.90	D3 ES3			MĄDE.	GROUND - Firm, brown and orange brown mottled,		1.00	24.70		
1.20 1.20	D4 ES4			sligh flint	GROUND - Firm, brown and orange brown mottled, tly sandy, slightly gravelly, silty CLAY. Gravel of , limestone, brick and ash fragments.			2 2 2 2 3		
1.50 1.50	D5 ES5							5		
1.80 1.80	D6 ES6									
2.10-2.30	D7						2.30	23.40		
				Pit a	bandoned at 2.30m depth		2.50	23.40		
								_		
								=		
								-		
								=		
								-		
KEY	1.5	<u> </u>	REMARKS	1. No	live roots observed		l'e			
D - Disturbed Sample B - Bulk Sample U - Undisturbed Sample R - Root Sample W - Water Sample ES - Environmental Sample V Water Strike				2. Pit 3. Pit 4. Pit 5. Pit edge d	tive roots observed c dry sides stable extended from 1.80m to 2.30m depth using hand auger too abandoned at 2.30m depth upon suspected footing, unable ue to pea gravel entering hand auger hole	ols e to find				
Water Rise Level on completion MP - Mackintosh Probe P() - Hand Penetrometer Cohesion () kPa							145			
V - Vane St Cohesio	near Tes	st					Scale 1:25	Page 1/1		



Trial Pit TP 2B Photographs

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Project: Maria Fidelis Lower School,

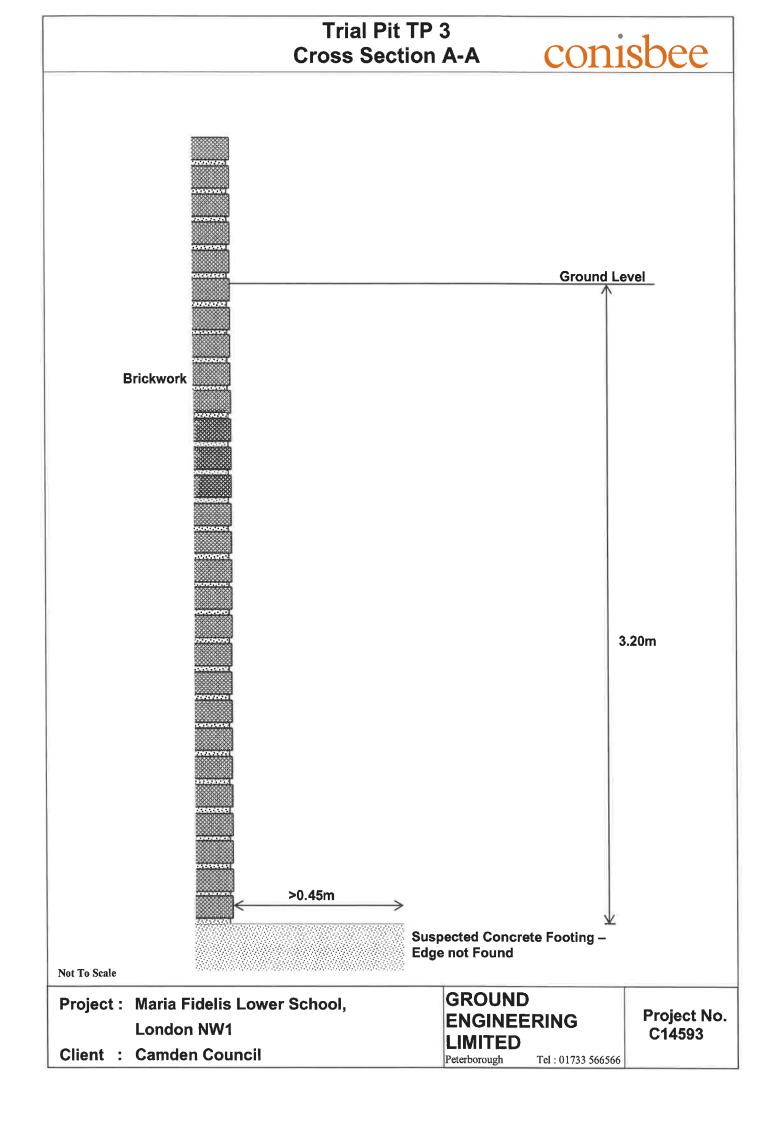
London NW1

Client: Camden Council

GROUND ENGINEERING LIMITED

Peterborough Tel: 01733 566566

GROUN	March 2010, 10	NG	Site: I	MARIA	FIDELIS LOWER SCHOOL, LONDON NW1	<u>nis</u>	RALPI P3	e
L I M I T E D Tel: 01733-566566 www.groundengineering.co.uk			Date: 23/	10/18	Pit Size: 0.60m L x 0.50m W x 1.50m D. Hole Size: 70mm dia to 3.20m	Ground Level:	25.65m. O.D	
Samples and in	n-situ Te		(Date) Water		Description of Strata	Legend	Depth m	O.D. Level m
					GROUND - ASPHALT. GROUND - Dark brown and dark grey SAND AND GRAVEL. l of asphalt and brick fragments.		0.10	25.55
0.40 0.40	D1 ES1			MADE GRAVE	GROUND - Brown and orange brown, clayey SAND AND L with occasional cobbles of brick. Gravel of flint, and concrete fragments.		0.50	25.15
0.70 0.70	D2 ES2			brick	and concrete fragments.			-
1.00 1.00	D3 ES3							:-
1.30 1.30	D4 ES4			WADE			1.50	24.15
1.60 1.60	D5 ES5			sligh flint	GROUND - Firm, brown and orange brown mottled, tly sandy, slightly gravelly, silty CLAY. Gravel of , brick, slate and ash fragments.			-
2.00-2.20	D6							
2.50-2.80	D7							=
3.10-3.20	D8						3.20	22.45
				Pit a	abandoned at 3.20m depth			=
KEY D - Disturbe B - Bulk Sai U - Undistur R - Root Sa W - Water S ES - Environ V Water S Water F Cohesio V - Vane Si	mple rbed Sar mple Sample mental S Strike Sise n comple cosh Prole enetromen () kPa	mple Sample etion be eter	REMARK	2. Pit	live roots observed : dry : sides stable : extended from 1.50m to 3.20m depth using hand auger too : abandoned at 3.20m depth upon suspected footing	ols	Project 145	ct No



Trial Pit TP 3 Photographs

conisbee





Project: Maria Fidelis Lower School,

London NW1

Client: Camden Council

GROUND ENGINEERING LIMITED Peterborough

Tel: 01733 566566

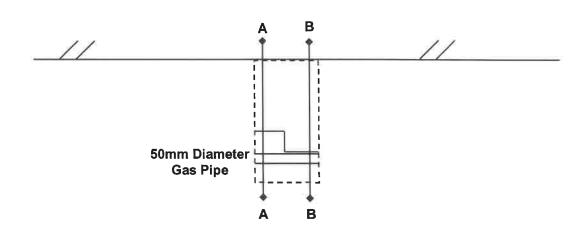
GROUND ENGINEERING			Site: 1	MARIA	FIDELIS	LOWER	SCHOOL,	LONDON	NW1	OI	118	AP TP4	e
L I M I T E D Tel: 01733-566566 www.groundengineering.co.uk			Date: 23/1	I 1 1							Ground Level:		m. O.D.
Samples and in-			(Date)									David	0.D.
Depth m	Туре	Result	Water		O DOLLEY TO		ription of Strata	a 			Legend	Depth m	Level m
0.40	D1 .				GROUND - AS GROUND - Bro es of brick ete, asphal		/ SAND AND of flint, l nker fragme	GRAVEL wi limestone, ents.	th occasior brick,	nal		0.15	25.00
0.40	ES1			MADE sandy cobbl Grave	GROUND - So , slightly es of brick l of brick,	ft, brown gravelly, and occas	and dark o silty CLAN sional oyst	grey mottle Y with occ ter shell	ed, slightl asional fragments.	y		0.50	24.65
0.70	D2 ES2			l di di c	e or briok,	dopilate,	mor cur ure	a don mag	ilicites:				-
0.90 0.90	D3 ES3												-
1.10 1.10 1.10 1.20	D4 ES4 V1 V2 V3 D5	(93) (91) (95)		MADE mottl Grave	GROUND - St ed, slightl el of flint, ragments.	iff, brown y sandy, s calcareou	n, orange b slightly gr us concret	brown and or ravelly, s ions, bric	dark grey ilty CLAY. k, mortar a	and		1.15	24.00
1.30	D5 D6			asn T	ragments							1.50	23.65
-													
KEY D - Disturbed Sample B - Bulk Sample U - Undisturbed Sample R - Root Sample W - Water Sample ES - Environmental Sample W ater Strike Water Rise			REMARKS	2. P11	live roots t dry t sides stab le extended	ale	m to 1.50m	ı depth wit	h hand aug	er tool	ls		
▼c Level on MP - Mackinto P() - Hand Pe Cohesior	oe eter 1										Proje 145 Scale		
V - Vane Sh Cohesion												1:25	1/1

Trial Pit TP 4 Plan





GYMNASIUM



Not To Scale

Project: Maria Fidelis Lower School,

London NW1

Client: Camden Council

GROUND ENGINEERING LIMITED

Peterborough Tel: 01733 566566

Trial Pit TP 4 Cross Section A-A **Brickwork** Ground Level 0.30m 0.55m 0.80m 1.00m Concrete 0.12m 50mm Diameter **Gas Pipe**

Not To Scale

Project: Maria Fidelis Lower School,

London NW1

Client: Camden Council

GROUND ENGINEERING LIMITED

Peterborough Tel: 01733 566566

Trial Pit TP 4 Cross Section B-B Brickwork Ground Level 0.45m 0.55m 0.80m 1.00m Concrete 50mm Diameter Gas Pipe Not To Scale **GROUND Project: Maria Fidelis Lower School,** Project No. **ENGINEERING**

London NW1

Client: Camden Council

LIMITED

Peterborough Tel: 01733 566566 C14593

Trial Pit TP 4 Photographs

conisbee





Project: Maria Fidelis Lower School,

London NW1

Client : Camden Council

GROUND ENGINEERING LIMITED

Peterborough Tel: 01733 566566

GROUN	D ERING	Site:	MARIA FIDELIS LOWER SCHOOL, LONDON NW1	118	A.P.	e
L I M I Tel: 01733-566566 www.groundengine	T E [eering.co.uk	Date: 23/		Ground Level:		m. O.D.
Samples and in	-situ Tests Type Resu	(Date) Water	Description of Strata L	_egend	Depth m	O.D. Level m
Борин	Турс		MADE GROUND - ASPHALT.		0.15	25.15
0.20 0.20	D1 ES1		MADE GROUND - Dark grey SAND AND GRAVEL with occasional cobbles of brick. Gravel of flint, brick, asphalt and mortar fragments.		0.30	25.00
0.50 0.50	D2 ES2	1	MADE GROUND - Dark grey SAND AND GRAVEL with occasional cobbles of brick. Gravel of flint, brick, asphalt and mortar fragments. MADE GROUND - Firm, brown, orange brown, grey mottled, slightly gravelly, silty CLAY. Gravel of brick, pottery, vitrified pipe, clinker and ash fragments.			=
0.70 0.80 0.80	V1 (45 D3 ES3					
1.10 1.10	D4 ES4					
1.40 1.40	D5 ES5					<u></u>
1.60 1.70 1.70	V2 (130 D6 V3 (130		Stiff, brown and orange brown mottled, slightly gravelly CLAY. Gravel of sub-angular to rounded flint. (HEAD DEPOSIT)		1.60	23.70
1170	13 (130	1	Pit completed at 1.80m depth			9
						5
						2
						1
						-
						_
						-
-						-
						_
						-
▼ Water S	mple bed Sample mple sample nental Sample strike		S1. No live roots observed 2. Pit dry 3. Pit sides stable 4. Pit extended from 1.50m to 1.80m depth with hand auger tools			
MP - Mackint P() - Hand Pe	completion osh Probe enetrometer				Proje	ct No
V - Vane St	n () kPa near Test n () kPa				Scale	Page