## APPENDIX G

KE		45 Bridg	Γ E. FRY & ASSOCI geman Terrace, WN1 1TT	ATES L	.TD.	Site Liverpool Road, Hutton		Trial Pi Numbe TPO
Excavation	Method	Dimensi	ons	Ground	Level (mOD)	Client Lancashire County Counc	il	Job Numbe 24182
		Location	1	Dates 08	/01/2025	Engineer		Sheet
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	D	escription	Legend
(m) .20 .20 .10 .40 .50 .70	Sample / Tests D ES HV 70kPa HV 92kPa D HV 96kPa	Depth (m)	Field Records		(Thickness) (Chickness) (0.40) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.20) (0.2	Soft becoming firm slightly subangular to subrounded (Topsoil) Firm dark brown slightly g subangular to subrounded mudstone Stiff orangish brown mottle	gravelly CLAY. Gravel is fine to medium of sandstone ravelly CLAY. Gravel is fine to medium of sandstone and d grey slightly gravelly CLAY with wn fine to medium sand and low subangular to rounded fine to nudstone. Cobbles are	Legend
						Remarks Land drain at 0.50m. Vertica	Il and stable. No groundwater enco	unterd
							I and stable. No groundwater enco	unterd
							I and stable. No groundwater enco	

RE		45 Brid	T E. FRY & ASSOC geman Terrace, WN1 1TT	IATES I	LTD.	Site Liverpool Road, Hutton	Trial Pit Number TP02
Excavation Trial Pit	Method	Dimensi	ons	Ground	Level (mOI	) Client Lancashire County Council	Job Number 24182
		Locatio	1	Dates 08	3/01/2025	Engineer	Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness	Description	Legend
0.15	D				(0.40	medium of sandstone (topsoil)	with d fine to
1.00	HV 72kPa				(0.25 0.65	Firm orangish brown mottled grey slightly gravelly C with low cobble content. Gravel is subangular to subrounded fine to coarse of sandstone and mudst Cobbles are subrounded of sandstone	Dne.
1.20	HV 90kPa				(1.45	subrounded fine to coarse of sandstone. Cobbles a	d ar to
1.80	HV 102kPa					subrounded to subangular of sandstone Becoming friable at 1.10m	
2.00 2.10	HV 98kPa D				2.10	Complete at 2.10m	<u> </u>
						Remarks	
						Vertical and stable. No groundwater encountered	
		Rible	e sta			Scale (approx) Logged By	Figure No.
-	A Start		2 19 p To 3		No.	1:50 RM	24182.TP02

KEI			geman Terrace, WN1 1TT	IATES I		Site Liverpool Road, Hutto	n	Trial Pi Numbe TP03
Excavation Met Trial Pit	hod	Dimens	ions	Ground	Level (mOD)	Client Lancashire County Co	ouncil	Job Numbe 24182
		Locatio	n	Dates 08	8/01/2025	Engineer		Sheet 1/1
Depth (m) S	ample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)		Description	Legend
0.25 E 0.25 E 0.70 H 1.20 H	) S IV 90kPa IV 80kPa IV 92kPa IV 102kPa	(m)	78,82/Av. 80.00			Firm orangish brown r gravelly CLAY. Gravel coarse of sandstone a Stiff dark brown slight pockets of green silt at with low cobble conter fine to coarse of sands subrounded of mudsto Complete at 2.45m	relly silty CLAY. Gravel is suban dstone (topsoil) nottled grey slightly sandy sligh is subangular to rounded fine to ind mudstone. y gravelly silty CLAY with occas nd medium to coarse orange sa nt. Gravel is angular to subroun stone and mudstone. Cobbles a	gular tiy tiv tiv tiv tiv tiv tiv tiv tiv
						scale (approx)	Logged By	Figure No.

RE	FA 4	45 Brid	T E. FRY & ASSOC geman Terrace, WN1 1TT			Site Liverpool Road, Hutton		Trial Pit Number TP04
Excavation Trial Pit	Method	Dimensi	ons	Ground	Level (mOD)	Client Lancashire County Council		Job Number 24182
		Location	1	Dates	3/01/2025	Engineer		Sheet
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description		Legend
0.30	D	(,			<u> </u>	Soft becoming firm dark grey slightly g with occasional rootlets. Gravel is sub	gravelly silty CLAY	
0.60	HV 80kPa				0.50 (0.20) 0.70	subrounded fine to medium of sandsto Firm orangish brown mottled grey slig gravelly CLAY with occasional orange		
1.20	HV 100kPa					sand pockets. Very stiff dark brown mottled light grey CLAY with low cobble content and occ green grey fine to coarse sand. Grave subrounded fine to coarse of sandston Cobbles are subrounded of sandston	y slightly gravelly casional pockets of el is angular to ne and mudstone.	
1.70	D							
2.40	HV 96kPa				2.50	Complete at 2.50m		
	and the second second		Suma Banety		A.	Remarks		
						Vertical and stable. No groundwater end	countered	
		K		a date		Scale (approx) Logged E	3y Figu	ire No.
t		XX	C Mark Ster 2	Conde P	6	1:50 ed by the GEOtechnical DAtabase SYste	RM 24	4182.TP04

KE			geman Terrace, WN1 1TT			Liverpool Road, Hutto	n	Numb TP0
<b>xcavation</b> rial Pit	Method	Dimens	ions	Ground	Level (mOD)	Client Lancashire County Co	puncil	Job Numb 2418
		Locatio	n	Dates	3/01/2025	Engineer		Sheet
Depth (m)		Water		Level (mOD)	Depth			1/1
(ṁ)	Sample / Tests	Water Depth (m)	Field Records	(mOD)	Depth (m) (Thickness)		Description	Legend
20	D				(0.45)		velly silty CLAY. Gravel is subangular medium of mudstone (topsoil)	
20			Land drain (1) at 0.80m.			Soft becoming firm or sandy slightly gravelly Gravel is subangular Cobbles are subround	angish brown mottled grey slightly / CLAY with low cobble content. to rounded fine to coarse sandstone. ded of sandstone	
0	HV 88kPa					Stiff dark brown mottle	ed grey slightly gravelly CLAY with o coarse sand pockets. Gravel is nded fine to coarse of sandstone and	
0	HV 90kPa					mudstone		
0 0	HV 92kPa D							
					2.10	Complete at 2.10m		
C	A. Ch					Remarks		
5			6		21	Land drain at 0.80m wa	ter ingress associated. Vertical and s	table
-	Sit to	C.C.S.	-2:027	-25				
22			Maria	to a	¢			
1	- AL		A Start	States	A. A			
A STATE	ANR SHO			***	-			
		F.		A A				
All S	CHA A		A. 27 ( )		s	Scale (approx)	Logged By Fig	ure No.
	PARA STOR	A CAN			10	1:50	RM 2	24182.TP05

vooretie		Nigan, V		Grand		Client	TP0	
<b>xcavation</b> rial Pit	wethod	Dimensio	ns	Ground	Level (mOD)	Client Lancashire County Cou	ıncil	Job Numbe 24182
		Location		Dates 08	0/01/2025	Engineer		Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)		Description	Legend
.20					(0.40)	Firm dark grey slightly g aubangular to rounded	gravelly silty CLAY. Gravel is fine of sandstone (topsoil)	
20 20	D ES				0.40 (0.20) 0.60	Firm orangish brown m gravelly CLAY. Gravel is coarse of sandstone an	ottled grey slightly sandy slightly s subangular to rounded fine to ad mudstone	·· <u>·</u> ····
10	HV 90kPa						d grey slightly gravelly silty CLAY s of green silt and low cobble ngular fine to coarse of sandstone s are subrounded of sandstone	
70	HV 94kPa							× · · · · · · · · · · · · · · · · · · ·
50 50	HV 98kPa D				2.60	Complete at 2.60m		× • • × • • × • • • •
						Remarks		
Ro L			he /			Land drain at 0.50m. Ver	tical and stable. No groundwater c	ncountered
Carl and				う				
		Chur .	134	and				
	0	2.	and a	S JA	5	Scale (approx)	Logged By F	gure No.
ALC: NOT	A PARA		A State of the second	and the		1:50	RM	24182.TP06

RE			geman Terrace, WN1 1TT				Liverpool Road, Hutton		Numbe
<b>xcavation</b> rial Pit	Method	Dimensio	ons	Ground	Level (	(mOD)	Client Lancashire County Council		Job Numbe 24182
		Location	1	Dates 08	8/01/202	25	Engineer		<b>Sheet</b> 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	De (r (Thick	pth n) (ness)	Description		Legend
10 10	D ES					(0.35) 0.35	Firm dark grey slightly gravelly CLAY with o rootlets. Gravel is subangular to subrounde	occasional ad fine to coarse	
90	HV 94kPa					(0.30) 0.65	Firm orangish brown mottled light grey sligl CLAY. Gravel is subangular to subrounded sandstone and mudstone	htly gravelly silty fine to coarse of	× • • ×
						(1.55)	Stiff dark brown mottled grey slightly grave with occasional yellowish green silt pockets content. Gravel is angular to subrounded fi sandstone and mudstone	s and low cobble	× • • • • • • • • • • • • • • • • • • •
30 30 00	HV 108kPa D HV 98kPa						Very stiff and friable from 1.20m Occasional brown fine to medium sand 1.50m	pockets from	× • • ×
						2.20	Complete at 2.20m		
				14 6	<b>.</b>	R	lemarks		L
A MAN AND AND A		/			A water the	,	Vertical and stable. No groundwater encount	ered.	
		6			a state	S	cale (approx) Logged By	Figure	e No.
He was and	A DECEMBER OF	Contraction of the local division of the loc	the second se	and the second s					

			WN1 1TT			nOD) Client		
ial Pit	Method	Dimens	ions	Ground	Level (mOD)	Client Lancashire County Cou	ncil	Job Numb 2418
		Locatio	n	Dates 08	3/01/2025	Engineer		Sheet
Depth (m)	Sample / Tests	Water	Field Records	Level (mOD)	Depth (m)		Description	
( <b>ff</b> ) 15 00 70 20	Sample / Tests D HV 84kPa HV 94kPa HV 110kPa	Water Depth (m)	Field Records	(mod)	4 D	Firm dark grey slightly s occasional rootlets. Gra medium sandstone (top Firm orangish brown sli with medium cobble con fine to coarse of sandst Stiff dark brown mottled medium cobble content grey silty and low bould medium to coarse sand subrounded fine to coar Cobbles are subrounde Complete at 2.25m	htly sandy slightly gravelly CLAY thent. Gravel is angular to rounded one and mudstone. grey slightly gravelly CLAY with and occasional pockets of greenis er content and occasional orange pockets. Gravel is angular to se sandstone and mudstone.	h
							Logged Pyr	
	17 AS			14	5	scale (approx) 1:50	Logged By Fig	jure No.

RE		45 Brid	T E. FRY & ASSOCI Igeman Terrace, WN1 1TT		LTD.	Site Liverpool Road, Hutton	Trial Pit Numbe TP09
Excavation Trial Pit	Method	Dimens	ions	Ground	Level (mOD)	Client Lancashire County Council	Job Numbe 24182
		Locatio	n	Dates 08	3/01/2025	Engineer	Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend
0.15 0.15 0.60	D ES D				(0.45) 0.45 (0.45)	Firm dark brown slightly gravelly CLAY with occasional rootlets (topsoil). Gravel is subangular to rounded fine to medium of sandstone, mudstone and quartzite (topsoil) Firm light brown mottled grey slightly gravelly CLAY with occasional pockets of orange fine to coarse sand. Gravel is	
0.90	HV 80kPa HV 90kPa					subangular to subrounded fine to coarse of sandstone and mudstone Stiff dark brown mottled light grey slightly sandy slightly gravelly CLAY with occasional yellowish green silt pockets and low cobble content. Gravel is subangular to rounded fine to coarse of sandstone and mudstone. Cobbles are subrounded of sandstone and mudstone	
2.50	HV 99kPa		98,100/Av. 99.00			Complete at 2.60m	
						Remarks	
		8A	A Stores	200	S		ire No.
	A AND	$\Delta I$	and the second s	and the second		1:50     RM     2       ed by the GEOtechnical DAtabase SYstem (GEODASY) © all	4182.TP09

		Wigan,	geman Terrace, WN1 1TT			Liverpool Road, Hutton		TP11
Excavation Trial Pit	Method	Dimensi	ons	Ground	Level (mOD)	Client Lancashire County C	Council	Job Numbe 24182
		Location	1	Dates 08	3/01/2025	Engineer		Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)		Description	Legend
0.30 0.85 1.20 2.00 2.10	D ES HV 90kPa HV 118kPa D					Firm dark grey slight rootlets. Gravel is su of sandstone and mu Firm brown mottled c gravelly CLAY with lo subrounded fine to c Cobbles are subang	ly gravelly CLAY with occasic bangular to subrounded fine idstone (topsoil) prange and grey slightly sand ow cobble content. Gravel is a oarse of sandstone and mud ular to rounded of sandstone led grey slightly gravelly silty tets of yellowish green silt an ravel is angular to subrounde and mudstone	y slightly angular to stone.
						Vertical and stable. No	groundwater encountered	
				Topics				
N.C.			100			Scale (approx)	Logged By	Figure No.

RE		45 Brid	T E. FRY & ASSOC geman Terrace, WN1 1TT		LTD.	Site Liverpool Road, Hutton		Trial Pit Number TP12
Excavation Trial Pit	Method	Dimens	ions	Ground	Level (mOD)	Client Lancashire County Cou	ncil	Job Number 24182
		Locatio	n	Dates	3/01/2025	Engineer		<b>Sheet</b> 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)		Description	Legend
0.10 0.10	D ES				(0.45)	Firm dark brown slightly subangular to rounded t mudstone (topsoil)	r gravelly CLAY. Gravel is fine to medium of sandstone a	and
).60	HV 80kPa		Land drain (1) at 0.70m.		(0.35) 0.80	angular to subrounded 1	ottled grey slightly sandy sligh ium cobble content. Gravel is fine to coarse of sandstone a subangular of sandstone	nd
1.30	HV 90kPa				(1.70)	Stiff dark brown mottled occasional yellowish gre content, Gravel is subar	grey slightly gravelly CLAY we een silt pockets and low cobb ngular to subrounded fine to nd mudstone. Cobbles are	/ith le
2.00 2.00	HV 104kPa D							
2.40	HV 102kPa					Complete at 2.50m		
	- 12 - 2 / A	The set		1.40	-	Remarks		
			1			Land drain at 0.70m, grou	Indwater ingress associated.	Vertical and stable
	1 Alt			NY.	1 30 44			
		/						
		1.0		Sart		Scale (approx)	Logged By	Figure No.
	and the second	- Way	and a state on	- selling	E.	1:50	RM	24182.TP12

RE		45 Brid	T E. FRY & ASSOC Igeman Terrace, WN1 1TT		L I D.	Site Liverpool Road, Huttor	n	Trial Pi Numbe TP13
<b>xcavation</b> rial Pit	Method	Dimens	ions	Ground	Level (mOD)	Client Lancashire County Co	uncil	Job Numbe 24182
		Locatio	n	Dates	3/01/2025	Engineer		Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness		Description	Legend
0.30 0.80 .50 .80	D HV 100kРа HV 98kРа HV 96kРа		Land drain (1) at 0.90m.			Firm dark grey slightly subangular to roundec mudstone (topsoil) Firm orangish brown n gravelly CLAY with low subrounded fine to coa Cobbles are subangula medium cobble conter subrounded fine to coa Cobbles are subangula mudstone. Complete at 2.00m	gravelly silty CLAY. Gravel is If fine to medium of sandstone and nottled grey slightly sandy slightly <i>y</i> cobble content. Gravel is angular rarse of sandstone and mudstone. ar to rounded of sandstone and id grey slightly gravelly CLAY with rown medium to coarse sand and it. Gravel is subangular to arse of sandstone and mudstone. ar to rounded of sandstone and to rounded of sandstone and ter ingress associated. Vertical and	to
		-						
		Relation			and the second s	Scale (approx)	Logged By Fi	gure No.

RE		45 Brid	T E. FRY & ASSOC geman Terrace, WN1 1TT	IATES I	L F <b>D</b> .	Site Liverpool Road, Hutton	Trial Pit Number TP14
Excavation Trial Pit	Method	Dimensi	ions	Ground	Level (mOD)	Client Lancashire County Council	Job Number 24182
		Location	n	Dates	9/01/2025	Engineer	Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend
0.20	D				(0.30) 0.30	Soft becoming girm dark brown slightly gravelly silty CLAY Gravel is angular to subrounded fine to coarse of sandstone, mudstone and quartzite (topsoil)	
).90	HV 80kPa				(0.80)	Firm reddish brown slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to coarse of sandstone, mudstone and quartzite	
						Stiff dark brown mottled light grey slightly gravelly CLAY with occasional grey fine to medium sand pockets and low cobble content. Gravel is subangular to subrounded fine to coarse of sandstone, mudstone and quartzite. Cobbles ar	
.80	HV 118kPa				(1.20)	subrounded of sandstone	
2.20 2.30	HV 106kPa D				2.30	Complete at 2.30m	0 <u>0 °</u> *
				200	E	Remarks	
			NUR IN			Land drain at 0.40m. No groundwater encountered. Vertical	and stable
			1 TORE				
				1 Pap			
					5	cale (approx) Logged By Fig	jure No.
F	Res al		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1:50 RM d by the GEOtechnical DAtabase SYstem (GEODASY) © al	24182.TP14

RE		45 Brid	T E. FRY & ASSOC geman Terrace, WN1 1TT	IATES I	LTD.	Site Liverpool Road, Huttor	1	Trial Pit Number TP15
Excavation Trial Pit	Method	Dimensi	ons	Ground	Level (mOD	) Client Lancashire County Co	uncil	Job Number 24182
		Locatior	1	Dates	3/01/2025	Engineer		<b>Sheet</b> 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness	)	Description	Legend
					(0.50)	<ul> <li>subangular to rounded mudstone (topsoil)</li> </ul>	y gravelly CLAY. Gravel is fine to medium of sandstone and	
.00	HV 88kPa					Firm orangish brown m	ottled grey slightly gravelly CLAY edium to coarse sand pockets. o subrounded fine to coarse of ne	
						coarse of sandstone ar	d grey slightly gravelly silty CLAY s of yellowish green silt and low is subangular to subrounded fine t nd mudstone. Cobbles are	
.80	HV 106kPa				[(1.70)] [	subangular to rounded	sandstone	× • • ×
.30 .40	D HV 116kPa				2.50	Complete at 2.50m		× • • × • •
		1154		X		Remarks		
						Vertical and stable. No g	roundwater encountered	
						Scale (approx)	Logged By Fig	gure No.
		No 3	· · ·································	3-2	2	1:50	RM	24182.TP15

RE	FA 4	45 Brid	T E. FRY & ASSOCI geman Terrace, WN1 1TT		LTD.	Site Liverpool Road, Hutton	Trial Pit Number TP16
Excavation Trial Pit	Method	Dimensi	ons	Ground	Level (mOD)	Client Lancashire County Council	Job Number 24182
		Locatior	1	Dates	9/01/2025	Engineer	Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness	Description	Legend
0.20	D				(0.45)	Soft becoming firm dark brown slightly gravelly silty CLAY. Gravel is subangular to subrounded fine to medium of sandstone (topsoil)	
0.90	HV 92kPa				(0.45) (0.45) 0.90	Firm orangish brown mottled dark brown and grey slightly gravelly CLAY with occasional yellowish brown fine to medium sand pockets. Gravel is angular to subrounded fine to coarse of sandstone and mudstone	
4 70					(0.45) 0.45 (0.45) (0.45) (0.45) (1.50) (1.50) (1.50)	Stiff dark brown mottled grey slightly gravelly silty CLAY with occasional pockets of yellowish brown fine to coarse sand and low cobble content. Gravel is subangular to rounded fine to carse of sandstone and mudstone	× · · · · · · · · · · · · · · · · · · ·
1.70 2.30	HV 98kPa HV 108kPa						× • • • ×
2.40	D				2.40	Complete at 2.40m	* * <u>*</u>
	1000					Remarks Vertical and stable. No groundwater encountered	
					A LOT WAR THE		
ST.		1		13	and the second s	Scale (approx) Logged By Figur	e No.
10 m		SI.	Sector 1	er aller	and		182.TP16

RE		45 Brid	T E. FRY & ASSOC geman Terrace, WN1 1TT	IATES I	_1 D.		Site Liverpool Road, Hutton		Trial Pit Number TP17
Excavation Trial Pit	Method	Dimensi	ons	Ground	Level	(mOD)	Client Lancashire County Council		Job Number 24182
		Locatior	1	Dates	9/01/20	)25	Engineer		<b>Sheet</b> 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	De ( (Thic	epth (m) kness)	Description		Legend
).20 ).20	D ES					(0.40) 0.40 (0.30)	Stiff to firm dark brown slightly sandy slightly Gravel is subangular to subrounded fine to m sandstone and mudstone (topsoil) Firm light brown mottled grey slightly gravelly		
.00	HV 70kPa					0.70	occasional orange fine to coarse sand pocke subangular to rounded fine to coarse sandsto mudstone	ts. Gravel is one and	
.50	HV 82kPa					(1.70)	Stiff dark brown mottled grey slightly gravelly with occasional yellowish green silt pockets a content. Gravel is angular to subrounded fine sandstone and mudstone Very friable from 1.50m	silty CLAY and low cobble to coarse of	× • • ×
.10	HV 92kPa					2.40			× • • •
.40	D						Complete at 2.40m		
				のためない			temarks Vertical and stable. No groundwater encounter		
			19863	and the	100	s	cale (approx) Logged By	Figu	re No.
	No. C. C. C. C. S.		The second second	C CAR	ST.		1:50 RM	24	182.TP17

RE		45 Bridg	「E. FRY & ASSOC geman Terrace, WN1 1TT	IATES I	TD.	Site Liverpool Road, Hutton		Trial Pit Numbe TP18
Excavation Trial Pit	Method	Dimensio	ons	Ground	Level (mOD)	Client Lancashire County Cour	ncil	Job Numbe 24182
		Location		Dates	9/01/2025	Engineer		Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)		Description	Legend
0.10 0.10 0.90 1.80 1.90 2.30	D ES TP HV 80kPa D HV 102kPa D HV 110kPa					Dark brown slightly grav subangular to subround mudstone (topsoil) Firm greyish orange and gravelly CLAY with frequ pockets and occasional is subangular to subrour and mudstone Stiff brown mottled light cohble content and occa	elly silty CLAY. Gravel is ed fine to coarse of sandstone ar I brown slightly sandy slightly ient orange fine to medium sand yellowish green silt pockets. Gra ided fine to coarse of sandstone grey slightly gravelly CLAY with la isional pockets of silty brown fine ingular to subrounded fine to nudstone. Cobbles of sandstone	rel
						Land drain at 0.60m. Verti	cal and stable	
1. S. S.	to se		and the		s	cale (approx)	Logged By Fi	gure No.
State State	ALTAL CARS	L. A.	the the the set of the set	11 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -		1:50	RM	24182.TP18

RE		45 Brid	T E. FRY & ASSOCI geman Terrace, WN1 1TT	ATES I	LTD.		Site Liverpool Road, Hutton	Trial Pit Number TP19
Excavation	Method	Dimensi	ons	Ground	Level (mOI		Client Lancashire County Council	Job Number 24182
		Location	1	Dates 09	9/01/2025	E	Engineer	<b>Sheet</b> 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness	s)	Description	Legend
0.15 0.15 0.70	D ES HV 84kPa				(0.30 (0.30 (0.40 (0.40		Soft to firm dark brown slightly gravelly silty CLAY. Gravel is subangular to subrounded fine to coarse sandstone and mudstone (topsoil) Firm orangish brown mottled grey slightly gravelly CLAY with occasional yellowish green sandy silt pockets. Gravel is subangular to subrounded fine to coarse of sandstone and mudstone Stiff brown mottled light area slightly gravelly CLAY with	
1.80 2.10 2.20	HV 92kPa HV 98kPa D					)	Stiff brown mottled light grey slightly gravelly CLAY with occasional pockets of light brown fine to coarse sand. Gravel is angular to subrounded fine to coarse sandstone and mudstone.	
							emarks	
				No and			ertical and stable. No groundwater encountered	
	and and		Calendar &	Carlos and	N. AN			r <b>e No.</b> 182.TP19

	45 Bridgeman Terrace, Wigan, WN1 1TT	Liverpool Road, Hutton	Number TP20
<b>excavation Method</b> irial Pit	Dimensions	Ground Level (mOD) Client Lancashire County Counci	Job Number 24182
	Location	Dates 09/01/2025 Engineer	Sheet 1/1
Depth (m) Sample / Tests	Water Depth Field Records (m)	Level Depth (mOD) (m) Do (Thickness)	escription Legend
.25 D			ly sandy slightly gravelly CLAY.
.90 HV 76kPa	Land drain (1) at 0.70m.	(0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50)	ad dark brown slightly gravelly te to coarse sand bands and low
.70 HV 92kPa .80 ES .00 HV 98kPa		(1.30) Stiff dark brown mottled gr occasional greyish brown f medium cobble content. G coarse of sandstone and n subrounded sandstone	ey slightly gravelly CLAY with ine to coarse sand pockets and avel are subrounded fine to hudstone. Cobbles are
		(0.40)       Soft to firm dark grey slight         (0.40)       sandstone and mudstone (         (0.50)       Firm brown mottled grey at CLAY with frequent grey fit cobble content. Gravel is scarse of sandstone and n subrounded sandstone         (1.30)       Stiff dark brown mottled grey at subrounded sandstone         (1.30)       Stiff dark brown mottled grey at subrounded sandstone         2.20       Complete at 2.20m	
		Image: Second control of the second	t quickly so moved slightly to avoid ble.

			geman Terrace, WN1 1TT			Liverpool Road, Hutton		TP2 <sup>-</sup>
Excavation	Method	Dimensio	ons	Ground	Level (mOD)	Client Lancashire County Cour	ncil	Job Numbe 24182
		Location		Dates	9/01/2025	Engineer		Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)		Description	Legend
0.15 0.15 0.80 1.90 2.10	D ES HV 96kPa HV 112kPa HV 104kPa				<b>1</b>	(topsoil) Firm to stiff orangish bro- slightly gravelly CLAY w sand. Gravel is angular sandstone and mudston Stiff dark brown slightly j brown fine sand pockets subangular to subround mudstone. Cobbles are Complete at 2.20m	sandy slightly gravelly CLAY with soil). Gravel is subangular to of sandstone and mudstone	
1	Ale and a	1	and the second second	1	e			
5		1	1.14			scale (approx)	Logged By Fig	ure No.

KE			eman Terrace, VN1 1TT			Liverpool Road, Hutto	n	Numb
Excavation Trial Pit	Method	Dimensio	ns	Ground	Level (mOD)	Client Lancashire County Co	puncil	Job Numb 2418
		Location		Dates	9/01/2025	Engineer		Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)		Description	Legend
0.10 0.90 1.40 2.00 2.00	DES HV 76kPa HV 88kPa HV 110kPa D				(1hickness) (0.50) (0.60) (0.60) (1.10) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (1.35) (	Soft to firm dark grey Gravel is angular to s sandstone and mudst Firm orangish brown i sandy slightly gravelly coarse sand pockets angular to rounded fir mudstone Stiff dark brown mottle medium cobble conte brown sandy silt pock fine to coarse of sand angular to subrounde Complete at 2.45m	slightly gravelly silty CLAY (tops ubrounded fine to coarse of one (topsoil) mottled dark brown and grey sli (CLAY with frequent grey fine to and low cobble content. Gravel le to coarse of sandstone and ed grey slightly gravelly CLAY with and occasional pockets of ye ets. Gravel is subangular to rou stone and mudstone. Cobbles a d sandstone and mudstone	soil).
						Scale (approx)	Logged By	Figure No.

RE	FA 4	45 Bridg	「 E. FRY & ASSO( jeman Terrace, WN1 1TT	CIATES I	LTD.	Site Liverpool Road, Hutton		Trial Pit Number TP24
Excavation Trial Pit	Method	Dimensio	ons	Ground	Level (mOD)	Client Lancashire County Cou	ncil	Job Number 24182
		Location		Dates	9/01/2025	Engineer		Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)		Description	Legend
0.20 0.70 1.60 2.20 2.40	D ES HV 80kPa HV 92kPa D					mudstone (topsoil) Firm reddish brown mot gravelly CLAY with occa pockets. Gravel is suba sandstone, mudstone ai Stiff dark brown mottled occasional pockets of d	grey slightly gravelly CLAY with ark grey fine to coarse sand. Grav d fine to coarse of sandstone,	y
					s	cale (approx)	Logged By Fig	jure No.
	A AL			and with	5	1:50		24182.TP24
		and the second se						

RE		45 Brid	T E. FRY & ASSOCI geman Terrace, WN1 1TT	ATES	LTD.	Site Liverpool Road, Hutton	Trial Pit Number TP25
Excavation Trial Pit	Method	Dimens	ions	Ground	Level (mOD	) Client Lancashire County Council	Job Number 24182
		Locatio	n	Dates	9/01/2025	Engineer	Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness	) Description	Legend S
0.10	D				(0.30)	Soft becoming firm dark brown slightly gravelly silty CLAY. Gravel is subangular to rounded fine to coarse of sandstone (topsoil)	×. •.
1.00	HV 80kPa				(0.80)	Firm brown mottled grey and orange slightly gravelly silty CLAY with occasional brown fine to medium sand pockets. Gravel is subangular to rounded fine to coarse of sandstone and mudstone.	× • •
					1.10	Stiff dark brown mottled light grey slightly gravelly silty CLAY with medium cobble content. Gravel is angular to subrounded fine to coarse of sandstone and mudstone.	× • • • ×
1.60	HV 100kPa					Cobbles are subrounded sandstone and mudstone Increase in grey mottling with depth	× • • ×
2.20	HV 108kPa				2.25	Complete at 2.25m	* <u>*</u> *
			143	930		Remarks Vertical and stable. No groundwater encountered	
						Venical and stable. No groundwater encountered	
and the	A	1		and a start	1 Alert		<b>e No.</b> 182.TP25
1		A CONTRACTOR OF THE		the part of the		1:50 RM 24	

RE		45 Brid	T E. FRY & ASSOCI geman Terrace, WN1 1TT			Site Liverpool Road, Hutton	Trial Pit Number TP26
Excavation Trial Pit	Method	Dimensi	ons	Ground	Level (mOD)	Client Lancashire County Council	Job Number 24182
		Locatior	1	Dates	9/01/2025	Engineer	<b>Sheet</b> 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend
0.10 0.10	D ES				(0.30) 0.30	Soft to firm dark brown slightly gravelly CLAY. Gravel is subangular to rounded fine to medium of sandstone and mudstone (topsoil)	
0.90	HV 82kPa				(0.70)	Firm orangish brown mottled dark grey slightly sandy CLA' with occasional orange fine to medium sand pockets and low cobble content. Gravel is angular to subrounded fine to coarse of sandstone and mudstone. Cobbles are subrounded sandstone	
1.50	HV 90kPa				(1.30)	Stiff dark brown slightly gravelly CLAY with occasional brown fine to medium sand pockets. Gravel is subangular to rounded fine to coarse of sandstone and mudstone	
2.20 2.30	HV 102kPa D					Complete at 2.30m	
						Remarks Vertical and stable. No groundwater encountered	
		13 a					
				Plan			
				1 100	-	Scale (approx) Logged By Fig	ure No.

Excavation I Trial Pit Depth (m) 0.15 .00 2.50 2.50 2.50 .50	Wethod Sample / Tests D HV 102kPa	Dimension Location Water Depth (m)	ns Field Records	Dates	Level (mOD) 0/01/2025 Depth (m) (Thickness)	Client Lancashire County Council Engineer Description	Job Number 24182 Sheet 1/1 Legend
.00	D		Field Records	09			1/1
.00	D	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend
.00						-	
	HV 102kPa				(0.30) 0.30	Soft to firm dark grey slightly gravelly silty CLAY. Gravel is subangular to rounded fine to coarse of sandstone and mudstone (topsoil)	
	110 10211 4				(0.30) 0.30 (0.60) 0.90 0.90	Firm brown mottled dark grey slightly gravelly silty CLAY with occasional orange fine to medium sand pockets. Gravel is subangular to rounded fine to coarse of sandstone and mudstone.	× • ×
2.50 2.50						Stift dark brown mottled light grey slightly gravelly silty CLAY with occasional yellowish brown fine to coarse sand pockets. Gravel is angular to subrounded fine to coarse of sandstone, mudstone and marble	x x x x x x x x x x x x x x
	HV 116kPa D					Complete at 2.60m	× ×
						Remarks Land drain at 0.70m. Vertical and stable. No groundwater enco	puntered

			T E. FRY & ASSOCI	ATES L	LTD.		Site			Trial Pit Number	
KE			geman Terrace, WN1 1TT				Liverpool Road, Hutton			TP28	
Excavation Method Trial Pit		Dimensions Location		Ground Level (mOD) Dates 09/01/2025		(mOD)	Client Lancashire County Council Engineer			Job Number 24182	
						25			:	<b>Sheet</b> 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Dej (n (Thick	pth n) (ness)	D	escription	L	Aater Kater	
0.05 0.05	D ES				Ē	(0.30) 0.30	Soft to firm dark brown slig rootlets. Gravel is angular sandstone and mudstone	htly gravelly CLAY with freq to subrounded fine to media (topsoil)	uent um of	×.	
0.70	HV 90kPa				E	(0.50) 0.80	to coarse of sandstone an	e and dark grey slightly sand with occasional grey fine to avel is angular to subrounde d mudstone	ed fine	· · · · · · · · · · · · · · · · · · ·	
1.70	HV 98kPa					(1.50)	Stiff dark brown mottled lig with occasional pockets of low cobble content. Grave fine to coarse of sandston subrounded mudstone	ht grey slightly gravelly CLA orange fine to medium san I is subangular to subrounde e and mudstone. Cobbles a	AY d and ed re		
2.20 2.20	HV 100kPa D					2.30	Complete at 2.30m				
							Remarks Vertical and stable. No grou cale (approx) 1:50	ndwater encountered	Figure N	No. 2.TP28	

RE	<b>ROBERT E. FRY &amp; ASSOCIATES L</b> 45 Bridgeman Terrace, Wigan, WN1 1TT		LID.	Site Liverpool Road, Hutton	Trial Pit Numbe TP30		
Excavation Method Trial Pit		Dimensions		Ground Level (mOD)		) Client Lancashire County Council	
		Location	n	Dates	9/01/2025	Engineer	Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend
2.15 0.15 1.00 2.00 2.30	D ES HV 88kPa HV 114kPa HV 118kPa					Dark grey slightly gravelly silty CLAY with occasional rootlets. Gravel is angular to subrounded fine to medium sandstone and mudstone (topsoil) Firm brown mottled orange and grey slightly sandy slight gravelly CLAY with frequent yellowish brown fine to medium to subrounded fine to coarse of sandstone and mudston Cobbles are subrounded of sandstone Stiff dark brown mottled grey slightly gravelly silty CLAY with occasional pockets of greyish brown fine to coarse sand and low cobble and boulder content. Gravel is subangular to subrounded fine to coarse of sandstone a mudstone. Cobbles and boulders are subangular sandst Mottling increasing with depth Complete at 2.30m	of
					s	cale (approx) Logged By F	<b>igure No.</b> 24182.TP30

<b>ROBERT E. FRY &amp; ASSOCIATES LTD</b> 45 Bridgeman Terrace, Wigan, WN1 1TT					Site Liverpool Road, Hutton	Trial Pit Number TP31	
Excavation Method Trial Pit	Dimens	Dimensions		Level (mOD)	Client Lancashire County Council	Job Number 24182	
	Locatio	n	Dates 09	9/01/2025	Engineer	Sheet 1/1	
Depth (m) Sample / Test	water s Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	
0.20       D         0.80       HV 82kPa         1.70       HV 92kPa         2.50       HV 110kPa					Soft to firm dark grey slightly gravelly silty CLAY with occasional rootlets. Gravel is subangular to rounded fine to coarse of sandstone and mudstone (topsoil) Firm brown mottled orangish grey and slightly sandy slight gravelly silty CLAY with occasional reddish brown fine to medium sand pockets. Gravel is subangular to subrounded fine to coarse of mudstone. Stiff dark brown mottled light grey slightly sandy slightly gravelly CLAY with occasional grey fine to medium sand pockets. Gravel is angular to subrounded fine to coarse of sandstone and mudstone. Complete at 2.50m Remarks Vertical and stable. No groundwater encountered	$\begin{array}{c} \begin{array}{c} \begin{array}{c} \times & \cdot & \cdot & \cdot \\ & \cdot & \cdot & \cdot & \cdot \\ \end{array} \\ y \\ x \\ \end{array} \\ \begin{array}{c} \times & \cdot & \cdot & \cdot \\ \end{array} \\ \begin{array}{c} \times & \cdot & \cdot & \cdot \\ \end{array} \\ \end{array} \\ \begin{array}{c} \times & \cdot & \cdot & \cdot \\ \end{array} \\ \begin{array}{c} \times & \cdot & \cdot & \cdot \\ \end{array} \\ \begin{array}{c} \times & \cdot & \cdot & \cdot \\ \end{array} \\ \begin{array}{c} \times & \cdot & \cdot & \cdot \\ \end{array} \\ \begin{array}{c} \times & \cdot & \cdot & \cdot \\ \end{array} \\ \begin{array}{c} \times & \cdot & \cdot & \cdot \\ \end{array} \\ \begin{array}{c} \times & \cdot & \cdot & \cdot \\ \end{array} \\ \begin{array}{c} \times & \cdot & \cdot & \cdot \\ \end{array} \\ \begin{array}{c} \times & \cdot & \cdot & \cdot \\ \end{array} \\ \begin{array}{c} \times & \cdot & \cdot & \cdot \\ \end{array} \\ \begin{array}{c} \times & \cdot & \cdot & \cdot \\ \end{array} \\ \end{array} \\ \begin{array}{c} \times & \cdot & \cdot & \cdot \\ \end{array} \\ \begin{array}{c} \times & \cdot & \cdot & \cdot \\ \end{array} \\ \end{array} \end{array} $	
			A Autor				