## APPENDIX F

RE		45 Brid	T E. FRY & ASSO geman Terrace, WN1 1TT			Site Liverpool Road, Hutton	Numbe WS01	
Excavation Method Drive-in Windowless Sampler		Dimensions		Ground Level (mOD)		Client Lancashire County Council		
		Location		Dates	6/01/2025	Engineer	<b>Sheet</b> 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Vater epth Field Records (m)	Level (mOD)	Depth (m) (Thickness)	Description	Legend	
0.20 0.20 1.00-1.45 1.40 2.00-2.45 3.00-3.45 4.00-4.45 5.00-5.45 5.10	ES SPT N=16 D SPT N=27 SPT N=37 SPT N=40		3,3/3,4,4,5 4,5/5,7,7,8 7,8/8,9,9,11 6,8/10,10,10,10 4,5/4,7,6,6		(0.20) (1.20) (1.20) (1.60) (1.60) (1.60) (1.10) (1.10) (0.80) (0.55) 5.45	Soft dark grey slightly gravelly CLAY with occasional rootets. Gravel is angular to subrounded fine to medium of sandstone (topsoil)         Soft orangish brown mottled grey slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to medium of sandstone        Becoming firm from 0.70m         Stiff dark brown mottled grey slightly gravelly slightly sandy CLAY with occasional pockets of fine to medium grey sand. Gravel is subangular to subrounded fine to coarse of sandstone         Very stiff dark brown slightly gravelly CLAY. Gravel is subangular to subrounded fine of sandstone with occasional pockets of grey fine sand        Slight increase in sand content from 4.00m         Very stiff dark brown slightly sandy slightly gravelly CLAY with occasional pockets of brown fine to medium sand. Gravel is subangular to subrounded fine to medium sand. Gravel is subangular to subrounded fine to medium sandstone        Slight increase in sand content from 4.00m         Very stiff dark brown slightly gravelly gravelly SLT. Gravel is subangular to subrounded fine to medium sand. Gravel is subangular to subrounded fine to medium sandstone         Medium dense dark brown slightly gravelly sandy SILT. Gravel is subangular to subrounded fine to medium siltstone and sandstone         Complete at 5.45m		
Remarks /ertical and s	stable. No groundwa	ater encou	ntered			Scale (approx)	Logged By	
						1:50	RM	
						Figure 2418 ed by the GEOtechnical DAtabase SYstem (GEODASY) © all ri	32.WS01	

RE		45 Brid	T E. FRY & ASSO geman Terrace, WN1 1TT	CIATES I	LTD.	Site Liverpool Road, Hutton	Number WS02	
Excavation Method Drive-in Windowless Sampler		Dimensions		Ground	Level (mOD)	Client Lancashire County Council	Job Number 24182	
		Locatio	n	Dates	6/01/2025	Engineer	Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	
0.15 0.15	D ES				(0.25) 0.25 (0.35) 0.60 (0.40) 1.00	Soft dark grey slightly gravelly CLAY with frequent rootlets. Gravel is subangular to subrounded fine to medium of sandstone and mudstone (topsoil) Soft greyish dark brown slightly sandy gravelly CLAY. Gravel is angular to subrounded fine to medium sandstone and mudstone		
1.00-1.45	SPT N=16		3,3/3,4,4,5			Firm orangish brown mottled grey slightly sandy slightly gravelly CLAY with occasional orange fie to coarse sand pockets. Gravel is subangular to subrounded fine to medium sandstone and mudstone		
1.80 2.00-2.45	D SPT N=24		4,4/5,6,6,7		(2.10)	Firm to stiff dark brown mottled grey slightly gravelly silty CLAY. Gravel is subangular to subrounded fine to coarse sandstone and mudstone Becoming stiff from 1.50m	× · · · · · · · · · · · · · · · · · · ·	
3.00-3.45	SPT N=22		4,4/4,6,6,6		3.10 	Stiff dark brown slightly gravelly CLAY. Gravel is subangular to subrounded fine to medium of sandstone and mudstone	× • • • • • • • • • • • • • • • • • • •	
4.00-4.45 5.00-5.45 5.20	SPT N=24 SPT N=27 D		5,6/5,6,6,7 4,5/6,7,7,7		4.60	Stiff dark brown slightly sandy slightly gravelly silty CLAY. Gravel is subangular to subrounded fine of sandstone and mudstone.		
						Complete at 5.45m		
<b>Remarks</b> Vertical and	stable. No groundwa	ater encou	ntered		<u></u>	Scale (approx)	Logged By	
						1:50 Figure 241a ad by the GEOtechnical DAtabase SYstem (GEODASY) © all r	32.WS02	

RE	FA 4	45 Brid	RT E. FRY & ASSO Igeman Terrace, WN1 1TT		LTD.	Site Liverpool Road, Hutton	Number WS03	
Excavation Method Drive-in Windowless Sampler		Dimensions		Ground	Level (mOD)	Client Lancashire County Council	Job Number 24182	
		Locatio	n	Dates	6/01/2025	Engineer	Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	
0.15 0.15 1.00-1.45 1.60 2.00-2.45 3.00-3.45 4.00-4.45	D SPT N=27 D SPT N=38 SPT N=32 SPT N=32		4,4/6,7,6,8 6,7/7,10,9,12 5,7/6,8,8,10 5,6/7,8,8,9	(0.20) (0.45) (0.45) (0.25) (0.25) (0.20) (0.45) (0.25) (0.25) (0.20) (1.20) (1.20) (1.80) (1.80) (1.55)	Soft dark grey slightly gravelly CLAY with frequent rootlets. Gravel is subangular to subrounded fine to medium of sandstone and mudstone (topsoil) Soft reddish brown mottled grey slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to coarse of sandstone Firm orangish dark brown mottled grey slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to medium sandstone Stiff dark brown mottled grey slightly sandy slightly gravelly CLAY with occasional grey fine to coarse sand pockets. Gravel is subangular to rounded fine to medium sandstone and mudstone Very stiff dark brown slightly sandy slightly gravelly silty CLAY. Gravel is angular to subangular fine to medium of sandstone and mudstone			
						Complete at 5.45m		
Remarks Vertical and	stable. No groundwa	ater encou	Intered		<u> </u>	Scale (approx)	Logged By	
						1:50 Figure 2413 ad by the GEOtechnical DAtabase SYstem (GEODASY) © all r	82.WS03	

RE		45 Brid	T E. FRY & ASSO( geman Terrace, WN1 1TT			•	Site Liverpool Road, Hutton	Number WS04
Excavation Method Drive-in Windowless Sampler		Dimensions		Ground	Ground Level (mOD)		Client Lancashire County Council	Job Number 24182
		Locatio	n	Dates 06	6/01/2	025	Engineer	Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	C (Thi	)epth (m) ckness)	Description	Legend
0.10 0.10 1.00-1.45 1.70 2.00-2.45 3.00-3.45	D SPT N=17 D SPT N=31 SPT N=28		3,3/3,4,5,5 5,5/6,7,8,10 5,5/6,7,7,8			0.55 (0.55)	Soft dark grey slightly gravelly CLAY with frequent rootlets. Gravel is subangular to subrounded fine to medium sandstone (topsoil) Soft greyish dark brown slightly sandy slightly gravelly CLAY. Gravel is subangular to rounded fine to coarse of sandstone Firm orangish brown mottled light grey slightly sandy slightly gravelly CLAY with occasional greyish green fine to medium sand pockets. Gravel is subangular to subrounded fine to medium of sandstone Firm to stiff dark brown grey slightly gravelly CLAY. Gravel is subangular to subrounded fine to medium of sandstone and mudstone Becoming stiff from 1.30m	
1.00-4.45 5.00-5.45	SPT N=38 SPT N=19		6,7/8,9,9,12 3,3/4,5,5,5			3.80 (1.65)	Stiff dark brown slightly gravelly silty CLAY with occasional lithorelic roots. Gravel is subangular to rounded fine to medium of sandstone and mudstone	
						5.45	Complete at 5.45m	
Remarks /ertical and s	stable. No groundwa	ater encou	ntered		E		Scale (approx)	Logged By
							1:50 Figure	RM No. 32.WS04

RE		45 Brid	T E. FRY & ASSO geman Terrace, WN1 1TT	Site Liverpool Road, Hutton	Number WS05			
Excavation Method Drive-in Windowless Sampler		Dimensions		Ground Level (mOD) Dates 06/01/2025		Client Lancashire County Council	Job Number 24182	
		Location				Engineer	Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	
0.20 0.20 1.00-1.45 1.20 2.00-2.45 3.00-3.45	D ES SPT N=21 D SPT N=23 SPT N=39		3,3/3,5,6,7 4,4/4,5,7,7 7,8/9,10,10,10		(0.30) 0.30 (0.40) (0.40) (1.50) (1.50) (0.40) (0.70)	Dark brown slightly gravelly CLAY with frequent rootlets. Gravel is subangular to subrounded fine to medium of sandstone (topsoil) Soft greyish dark brown slightly gravelly CLAY. Gravel is subangular to rounded fine of sandstone Stiff brown mottled grey slightly gravelly CLAY with occasional grey fine to medium sand pockets. Gravel is subangular to rounded fine to medium of mudstone and sandstone Stiff dark brown slightly sandy slightly gravelly CLAY with occasional multicoloured fine gravelly pockets. Gravel is subangular to subrounded fine to medium of sandstone and mudstone Very stiff reddish brown mottled grey slightly sandy slightly gravelly CLAY with orangish grey fine to coarse sand pockets. Gravel is angular to subrounded fine to coarse of sandstone and mudstone	d	
4.00-4.45 5.00-5.45 5.20	SPT N=17 SPT N=26 D		4,4/4,4,4,5 4,4/6,7,6,7		(0.75)	Firm brown slightly gravelly CLAY. Gravel is subangular to rounded fine to medium of sandstone and mudstone Stiff dark brown slightly sandy slightly gravelly silty CLAY. Gravel is subangular to subrounded fine of sandstone and mudstone		
<b>Remarks</b> Vertical and s	stable. No groundwa	ater encou	ntered		<u> </u>	Scale (approx	) Logged By	
						1:50 Figure 241	RM <b>No.</b> 82.WS05	