



Photo 25 – Trial Pit 13



Photo 26 – Arising's from Trial Pit 13



Photo 27 – Trial Pit 14



Photo 28 – Arising's from Trial Pit 14



Photo 29 – Trial Pit 15



Photo 30 – Arising's from Trial Pit 15



Photo 31 – Trial Pit 16



Photo 32 – Arising's from Trial Pit 16



Photo 33 – Trial Pit 17



Photo 34 – Arising's from Trial Pit 17



Photo 35 – Trial Pit 18



Photo 36 – Arising's from Trial Pit 18



Photo 37 – Trial Pit 19



Photo 38 – Arising's from Trial Pit 19



Photo 39 – Trial Pit 20



Photo 40 – Arising's from Trial Pit 20

APPENDIX G

Geo-Ventures (UK) Limited Geotechnical and Environmental Services						Site Woodlands Farm, Gwersyllt		Number WS 1	
Excavation Method Drive-in Window Sampler		Dimensions		Ground Level (mOD)		Client		Job Number 14-1076	
		Location		Dates 15/12/2014		Engineer Robert E Fry & Associates Limited		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	Instr
0.10	D				0.10	Brown clayey TOPSOIL			
0.30	D				(0.50)	Firm brown SILT			
0.60	D				0.60				
1.00-1.45	SPT(C) N=14		2,2/2,3,4,5		(1.20)	Medium dense brown clayey silty gravelly fine SAND			
1.00	D								
2.00-2.45	SPT(C) N=27		3,3/6,7,7,7		1.80	Medium dense / dense brown fine / medium SAND with occasional fine / medium sub-rounded gravel			
2.00	D				(1.65)				
3.00-3.45	SPT(C) N=50		3,14/13,10,14,13		3.45				
3.00	D					Complete at 3.45m			
Remarks							Scale (approx) 1:50	Logged By Dr J Crook	
							Figure No. 14-1076.WS 1		

Geo-Ventures (UK) Limited Geotechnical and Environmental Services						Site Woodlands Farm, Gwersyllt		Number WS 2	
Excavation Method Drive-in Window Sampler		Dimensions		Ground Level (mOD)		Client		Job Number 14-1076	
		Location		Dates 15/12/2014		Engineer Robert E Fry & Associates Limited		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	Instr
0.10 0.30	D D				(0.20) 0.20	Brown clayey TOPSOIL Medium dense brown clayey silty fine SAND			
1.00-1.45 1.00	SPT(C) N=24 D		5,6/6,5,5,8		(1.60)				
2.00-2.45 2.00	SPT(C) N=32 D		12,11/11,7,6,8		1.80	Medium dense / very dense brown coarse SAND and fine / medium sub-rounded / sub-angular GRAVEL			
3.00-3.45 3.00	SPT(C) N=50 D		12,12/12,14,11,13		(1.65) 3.45				
						Complete at 3.45m			
Remarks							Scale (approx) 1:50	Logged By Dr J Crook	
							Figure No. 14-1076.WS 1		

Geo-Ventures (UK) Limited Geotechnical and Environmental Services						Site Woodlands Farm, Gwersyllt		Number WS 3	
Excavation Method Drive-in Window Sampler		Dimensions		Ground Level (mOD)		Client		Job Number 14-1076	
		Location		Dates 15/12/2014		Engineer Robert E Fry & Associates Limited		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	Instr
0.10 0.30	D D				(0.20) 0.20	Brown clayey TOPSOIL Firm brown CLAY / SILT			
1.00-1.45 1.00	SPT(C) N=10 D		2,2/2,2,3,3		(1.30)				
1.50	D				1.50	Medium dense brown clayey silty fine SAND / firm brown very sandy CLAY			
2.00-2.45 2.00	SPT(C) N=13 D		2,2/3,3,3,4		(1.50)				
3.00-3.45 3.00	SPT(C) N=11 D		2,2/3,2,3,3		3.00 (0.45)	Medium dense brown coarse SAND and fine / medium sub-rounded / sub-angular GRAVEL			
4.00-4.45 4.00	SPT(C) N=12 D		2,2/3,3,3,3		3.45	Complete at 4.45m			
Remarks							Scale (approx) 1:50	Logged By Dr J Crook	
							Figure No. 14-1076.WS 1		

Geo-Ventures (UK) Limited Geotechnical and Environmental Services						Site Woodlands Farm, Gwersyllt		Number WS 4	
Excavation Method Drive-in Window Sampler		Dimensions		Ground Level (mOD)		Client		Job Number 14-1076	
		Location		Dates 15/12/2014		Engineer Robert E Fry & Associates Limited		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	Instr
0.10	D					MADE GROUND : very loose black soil, ash and broken brick fill			
1.00-1.45 1.00	SPT(C) N=5 D		1,0/0,0,2,3		(2.00)				
2.00-2.45 2.00	SPT(C) N=1 D		1,0/0,0,0,1		2.00 (0.50)	Soft brown / black PEAT			
2.50	D				2.50	Soft / firm brown CLAY			
3.00-3.45 3.00	SPT(C) N=8 D		1,1/1,2,2,3		(0.95) 3.45				
						Complete at 4.45m			
Remarks							Scale (approx)	Logged By	
							1:50	Dr J Crook	
							Figure No. 14-1076.WS 1		

Geo-Ventures (UK) Limited Geotechnical and Environmental Services						Site Woodlands Farm, Gwersyllt		Number WS 5	
Excavation Method Drive-in Window Sampler		Dimensions		Ground Level (mOD)		Client		Job Number 14-1076	
		Location		Dates 15/12/2014		Engineer Robert E Fry & Associates Limited		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description		Legend	Water
0.10	D					MADE GROUND : brown clay / soil fill with broken sandstone fill			
1.00-1.45 1.00 1.20	SPT(C) N=11 D D		3,3/3,2,3,3		(1.00) 1.00	MADE GROUND : medium dense becoming very loose brown coarse gravelly SAND with pieces of broken brick			
2.00-2.45 2.00	SPT(C) N=1 D		1,0/0,1,0,0		(2.45)				
3.00-3.45 3.00	SPT(C) N=1 D		1,0/0,0,0,1		3.45	Complete at 3.45m			
Remarks						Scale (approx) 1:50		Logged By Dr J Crook	
						Figure No. 14-1076.WS 1			

Geo-Ventures (UK) Limited
Geotechnical and Environmental Services

Standard Penetration Test Results

Site : Woodlands Farm, Gwersyllt

Client :

Engineer: Robert E Fry & Associates Limited

[illegible]

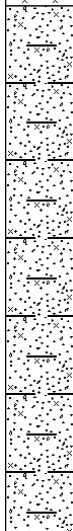
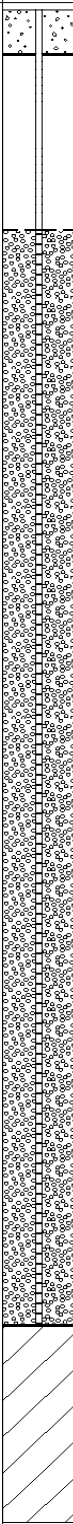
Sheet

1 / 1

Borehole Number	Base of Borehole (m)	End of Seating Drive (m)	End of Test Drive (m)	Test Type	Seating Blows per 75mm		Blows for each 75mm penetration				Result	Comments
					1	2	1	2	3	4		
WS 1	1.00	1.15	1.45	CPT	2	2	2	3	4	5	N=14	
WS 1	2.00	2.15	2.45	CPT	3	3	6	7	7	7	N=27	
WS 1	3.00	3.15	3.45	CPT	3	14	13	10	14	13	N=50	
WS 2	1.00	1.15	1.45	CPT	5	6	6	5	5	8	N=24	
WS 2	2.00	2.15	2.45	CPT	12	11	11	7	6	8	N=32	
WS 2	3.00	3.15	3.45	CPT	12	12	12	14	11	13	N=50	
WS 3	1.00	1.15	1.45	CPT	2	2	2	2	3	3	N=10	
WS 3	2.00	2.15	2.45	CPT	2	2	3	3	3	4	N=13	
WS 3	3.00	3.15	3.45	CPT	2	2	3	2	3	3	N=11	
WS 3	4.00	4.15	4.45	CPT	2	2	3	3	3	3	N=12	
WS 4	1.00	1.15	1.45	CPT	1	0	0	0	2	3	N=5	
WS 4	2.00	2.15	2.45	CPT	1	0	0	0	0	1	N=1	
WS 4	3.00	3.15	3.45	CPT	1	1	1	2	2	3	N=8	
WS 5	1.00	1.15	1.45	CPT	3	3	3	2	3	3	N=11	
WS 5	2.00	2.15	2.45	CPT	1	0	0	1	0	0	N=1	
WS 5	3.00	3.15	3.45	CPT	1	0	0	0	0	1	N=1	

APPENDIX H

Geo-Ventures (UK) Limited Geotechnical and Environmental Services			Site Woodlands Farm, Gwersyllt	Borehole Number WS 1
Installation Type Single Installation	Dimensions Internal Diameter of Tube [A] = 35 mm Diameter of Filter Zone = 70 mm		Client	Job Number 14-1076
	Location	Ground Level (mOD)	Engineer Robert E Fry & Associates Limited	Sheet 1/1

Legend	Water	Instr (A)	Level (mOD)	Depth (m)	Description	Groundwater Strikes During Drilling										
   			0.10	Concrete	Date	Time	Depth Struck (m)	Casing Depth (m)	Inflow Rate	Readings				Depth Sealed (m)		
										5 min	10 min	15 min	20 min			
					Groundwater Observations During Drilling											
					Date	Start of Shift					End of Shift					
						Time	Depth Hole (m)	Casing Depth (m)	Water Depth (m)	Water Level (mOD)	Time	Depth Hole (m)	Casing Depth (m)	Water Depth (m)	Water Level (mOD)	
					Instrument Groundwater Observations											
					Inst. [A] Type : Slotted Standpipe											
					Date	Instrument [A]			Remarks							
Time	Depth (m)	Level (mOD)														

Remarks

Geo-Ventures (UK) Limited Geotechnical and Environmental Services			Site Woodlands Farm, Gwersyllt	Borehole Number WS 2
Installation Type Single Installation	Dimensions Internal Diameter of Tube [A] = 35 mm Diameter of Filter Zone = 70 mm		Client	Job Number 14-1076
	Location	Ground Level (mOD)	Engineer Robert E Fry & Associates Limited	Sheet 1/1

[illegible]

Remarks

Geo-Ventures (UK) Limited Geotechnical and Environmental Services			Site Woodlands Farm, Gwersyllt	Borehole Number WS 3
Installation Type Single Installation	Dimensions Internal Diameter of Tube [A] = 35 mm Diameter of Filter Zone = 70 mm		Client	Job Number 14-1076
	Location	Ground Level (mOD)	Engineer Robert E Fry & Associates Limited	Sheet 1/1

[illegible]

Remarks

Geo-Ventures (UK) Limited Geotechnical and Environmental Services						Site Woodlands Farm, Gwersyllt				Borehole Number WS 4						
Installation Type Single Installation			Dimensions Internal Diameter of Tube [A] = 35 mm Diameter of Filter Zone = 70 mm			Client Robert E Fry & Associates Limited				Job Number 14-1076						
			Location		Ground Level (mOD)					Sheet 1/1						
Legend	Water	Instr (A)	Level (mOD)	Depth (m)	Description	Groundwater Strikes During Drilling										
				0.10	Concrete	Date	Time	Depth Struck (m)	Casing Depth (m)	Inflow Rate	Readings				Depth Sealed (m)	
					Bentonite Seal											
				0.50												
				Groundwater Observations During Drilling												
				Date	Start of Shift					End of Shift						
					Time	Depth Hole (m)	Casing Depth (m)	Water Depth (m)	Water Level (mOD)	Time	Depth Hole (m)	Casing Depth (m)	Water Depth (m)	Water Level (mOD)		
				Instrument Groundwater Observations												
				Inst. [A] Type : Slotted Standpipe												
				Date	Instrument [A]			Remarks								
Time	Depth (m)	Level (mOD)														
				3.00	Bottom Fill											
				3.45												
Remarks																

APPENDIX I