


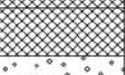

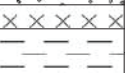











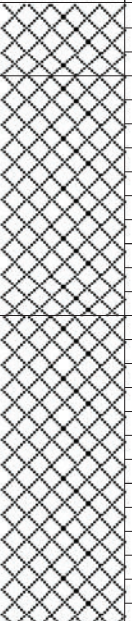
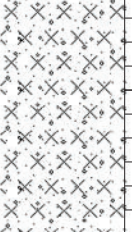

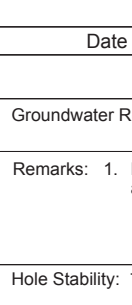

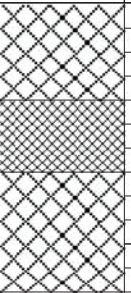

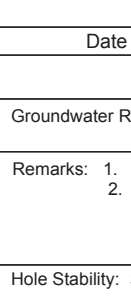
 <div>GROUND TECHNOLOGY Maple Road, Kings Lynn Norfolk, PE34 3AF Tel: 01553 817657 www.groundtechnology.co.uk</div>	Trial Pit Record				TPD03 Sheet 1 of 1		
	Project: Kings Cross Gas Holder 8 Relocation SI Project ID: GTS-12-129						
Client: BAM Nuttall Limited	Engineer: AMEC E&I UK Ltd			Ground Level: 25.535mAOD Coordinates: 529922.80E 183684.60N			
Orientation of Trial Pit:-	Length: 0.60	Width: 2.50	Depth: 3.50		Sample / Test		Remarks and Test Results <small>PID (ppm)</small>
Description	Legend	Depth (m)	O.D. Level	Water	Type	Depth (m)	
MADE GROUND: Fine to coarse angular to subrounded GRAVEL of crushed concrete. Occasional concrete cobble.					B1 D1 ES1	0.20	
MADE GROUND: Concrete hard standing (concrete road).		0.40	25.14				
MADE GROUND: Grey gravelly SAND.		0.70	24.84		B2 D2 ES2	0.70	
MADE GROUND: Tarmac hard standing.		0.75 0.80	24.79 24.74				
MADE GROUND: Cobbled hard standing granite sets bedded on concrete.		1.00	24.54				
MADE GROUND: Concrete hard standing. Bedding for granite sets.		1.20	24.34		B3 D3 ES3	1.40	
MADE GROUND: Fine to coarse angular to subrounded GRAVEL of red brick.		1.60	23.94		B4 D4 ES4	1.60	
Dark grey SILT.		1.70	23.84				
Firm to stiff brown CLAY with occasional grey mottling and medium well rounded flint gravel. [REWORKED LONDON CLAY]					B5 D5 ES5	2.00	
						HV=63.0kPa Remold=33.0kPa	
					B6 D6	3.00	HV=79.0kPa Remold=34.0kPa
End of Trial Pit at 3.50 m		3.50	22.04				
Date: 31/05/2012 Plant: 9T Wheeled Excavator Logged By: K. B (AMEC) Checked By: P. Lewin	Water Level Observations						
	Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)			
		No Groundwater Encountered					
	Groundwater Remarks: No groundwater encountered						
	Remarks: 1. End of pit at 3.50m bgl due to maximum reach of machine.						
	Hole Stability: Trial pit stability not recorded.						

 <div>GROUND TECHNOLOGY Maple Road, Kings Lynn Norfolk, PE34 3AF Tel: 01553 817657 www.groundtechnology.co.uk</div>	Trial Pit Record				TPD04 Sheet 1 of 1		
	Project: Kings Cross Gas Holder 8 Relocation SI Project ID: GTS-12-129						
Client: BAM Nuttall Limited	Engineer: AMEC E&I UK Ltd			Ground Level: 26.300mAOD Coordinates: 529917.57E 183671.69N			
Orientation of Trial Pit:-	Length: 2.50	Width: 1.00	Depth: 3.00		Sample / Test		Remarks and Test Results <small>PID (ppm)</small>
Description	Legend	Depth (m)	O.D. Level	Water	Type	Depth (m)	
MADE GROUND: Crushed concrete surface.							
MADE GROUND: Gravelly SAND with abundant brick rubble.		0.20	26.10				
					B1 D1 ES1	1.00	
... At 2.00m bgl 6" cast iron pipe.							
Stiff to firm brown CLAY with grey mottling and occasional flint gravel. [REWORKED LONDON CLAY].		2.40	23.90		B2 D2 ES2	2.50	
... At 3.0m bgl hole finished due to pit instability.		3.00	23.30				
End of Trial Pit at 3.00 m							
Date: 31/05/2012 Plant: 9T Wheeled Excavator Logged By: K. B (AMEC) Checked By: P. Lewin	Water Level Observations						
	Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)			
		No Groundwater Encountered					
	Groundwater Remarks: No groundwater encountered						
	Remarks: 1. Surface cracking at edge. 2. No groundwater encountered.						
	Hole Stability: Sides of pit collapsed at 0.50-1.50m bgl.						

 <div>GROUND TECHNOLOGY Maple Road, Kings Lynn Norfolk, PE34 3AF Tel: 01553 817657 www.groundtechnology.co.uk</div>	Trial Pit Record				TPD05 Sheet 1 of 1				
	Project: Kings Cross Gas Holder 8 Relocation SI Project ID: GTS-12-129								
Client: BAM Nuttall Limited	Engineer: AMEC E&I UK Ltd				Ground Level: 26.250mAOD Coordinates: 529917.30E 183658.80N				
Orientation of Trial Pit:-	Length: 0.60		Width: 2.80		Depth: 3.60		Sample / Test Type	Depth (m)	Remarks and Test Results <small>PID (ppm)</small>
Description	Legend	Depth (m)	O.D. Level	Water					
MADE GROUND: Concrete hard standing. Reinforcement at 0.10m bgl (mesh).		0.30	25.95		B1 D1 ES1	0.50			
MADE GROUND: Stiff red and brown very gravelly CLAY. Gravel is fine to coarse angular to subrounded brick, concrete and flint. Note: Insufficient material size for HSV to be representative.									
MADE GROUND: Soft to firm brown slightly gravelly CLAY with occasional fine and medium flint gravel.									
... At 2.50m fragment of brick.		1.30	24.95		B2 D2 ES2	1.50	HV=77.0kPa Remold=29.0kPa		
Dark grey very sandy slightly gravelly SILT. Gravel is fine to coarse angular to subangular flint. Faint hydrocarbon odour. [POSSIBLE ALLUVIUM]									
End of Trial Pit at 3.60 m		2.60	23.65		B3 D3 ES3	2.50	HV=70.0kPa Remold=31.0kPa		
		3.60	22.65		ES4	3.50	HV=43.0kPa Remold=31.0kPa		
Date: 30/05/2012 Plant: 9T Wheeled Excavator Logged By: K. B (AMEC) Checked By: P. Lewin	Water Level Observations								
	Date	Water Strike (m)		Standing Time (Mins)		Standing Level (m)			
		No Groundwater Encountered							
	Groundwater Remarks: Groundwater seepage encountered at 3.30m bgl								
	Remarks: 1. Hole finished at 3.60m bgl due to maximum reach of wall in the ground conditions and space for larger vehicle.								
	Hole Stability: Trial pit stability not recorded.								

 <div>GROUND TECHNOLOGY Maple Road, Kings Lynn Norfolk, PE34 3AF Tel: 01553 817657 www.groundtechnology.co.uk</div>	Trial Pit Record				TPE03 Sheet 1 of 1				
	Project: Kings Cross Gas Holder 8 Relocation SI Project ID: GTS-12-129								
Client: BAM Nuttall Limited	Engineer: AMEC E&I UK Ltd				Ground Level: 25.515mAOD Coordinates: 529931.10E 183679.10N				
Orientation of Trial Pit:-	Length: 1.00		Width: 1.00		Depth: 1.20		Sample / Test Type	Depth (m)	Remarks and Test Results <small>PID (ppm)</small>
Description	Legend	Depth (m)	O.D. Level	Water					
MADE GROUND: Brownish gravelly SAND. Gravel is fine to coarse angular to subangular concrete, brick and occasional granite. Occasional concrete cobble (150-200mm)		0.40	25.12		B1 D1 ES1	0.20-0.40			
MADE GROUND: Concrete hard standing. Concrete road.		0.70	24.82						
MADE GROUND: Dark brown gravelly SAND. Gravel is fine to coarse angular to subangular brick and flint.		1.20	24.32						
End of Trial Pit at 1.20 m									
									
Date: 29/05/2012 Plant: Hand Pit Logged By: K. B (AMEC) Checked By: P. Lewin	Water Level Observations								
	Date	Water Strike (m)		Standing Time (Mins)		Standing Level (m)			
		No Groundwater Encountered							
	Groundwater Remarks: No groundwater encountered								
	Remarks: 1. Maximum reach of tool and equipment to 1.20m bgl. 2. Unable to extend excavation to gain safe access due to presence of site cabins.								
	Hole Stability: Stable.								

<div><div><div>GT</div></div><div><div>GROUND TECHNOLOGY</div><div>Maple Road, Kings Lynn</div><div>Norfolk, PE34 3AF</div><div>Tel: 01553 817657</div><div>www.groundtechnology.co.uk</div></div></div>	Trial Pit Record				TPF05 Sheet 1 of 1		
	Project: Kings Cross Gas Holder 8 Relocation SI Project ID: GTS-12-129						
Client: BAM Nuttall Limited	Engineer: AMEC E&I UK Ltd				Ground Level: 26.000mAOD Coordinates: 529945.60E 183674.10N		
Orientation of Trial Pit:-	Length: 1.00 Width: 1.00 Depth: 1.20				Sample / Test		Remarks and Test Results <small>PID (ppm)</small>
Description	Legend	Depth (m)	O.D. Level	Water	Type	Depth (m)	
MADE GROUND: Type 1 Crushed stone.		0.10	25.90				
MADE GROUND: Brown and grey gravelly SAND. Gravel is fine to coarse angular to subrounded concrete, brick and flint.		0.40	25.60				
MADE GROUND: Band of weakly cemented concrete at 0.30 to 0.40m bgl. Not continuous.		0.60	25.40		ES1	0.60	
MADE GROUND: Brown and grey gravelly SAND. Gravel is fine to coarse angular to subrounded concrete, brick and flint.		0.90	25.10		ES2	0.90	
MADE GROUND: Soft slightly gravelly CLAY. Gravel is fine and medium angular to subrounded brick and concrete.		1.20	24.80				
End of Trial Pit at 1.20 m							
Date: 30/05/2012 Plant: Hand Pit Logged By: K. B (AMEC) Checked By: P. Lewin	Water Level Observations						
	Date	Water Strike (m)		Standing Time (Mins)		Standing Level (m)	
		No Groundwater Encountered					
	Groundwater Remarks: Groundwater encountered at 1.20mbgl.						
	Remarks: 1. Trial pit terminated at 1.20m bgl due to groundwater ingress. Maximum reach of equipment and unable to extend due to the presense of site cabins.						
	Hole Stability: Stable.						

Appendix C

Proposed excavation plans