



Plate 3: Stockpile 1C of black-grey made ground containing fine gravel to boulder-sized fragments of concrete, brick, wood, plastic strips, and slate.



Plate 4: Fragment of concrete slab removed from Stockpile 1.



Plate 5: Fragment of brick masonry stained with bitumen from Stockpile 1.



Plate 6: Fragment of asphalt, bricks, wood board and wood beams from Stockpile 1.



Plate 7: Stockpile 1C overview showing the varied composition and size of demolition material.



Plate 8: Overview of Stockpile 2A.



Plate 9: Made ground gravel encountered in Stockpile 2A, showing coarse to cobble-sized fragments of brick, concrete, plastic tile, and wood.



Plate 10: Made ground gravel encountered in Stockpile 2B, showing coarse to cobble-sized fragments of brick, concrete, plastic, cloth, and wood.



Plate 11: Fragments of black tarmac encountered at base of Stockpile 2A.



Plate 8: Made ground encountered in Stockpile 2B. Gravel is coarse to cobble-sized fragments of brick, concrete, slate, plastic strips, wooden boards, and wood.



Plate 9: Overview of stockpile 2C showing possibly processed demolition materials.



Plate 10: Fragments of wood floorboard and wood of Stockpile 3.



Plate 11: Overview of wood fragments of Stockpile 3.



Plate 12: Overview of fragments of masonry and concrete slabs of Stockpile 4.



Plate 13: Fragments of reinforced concrete slabs and whole bricks of Stockpile 4.



Plate 14: Overview of apparently sized sorted material in Stockpile 5A.



Plate 15: Fragments of concrete, brick, wood, and plastic tile in Stockpile 5A.



Plate 16: Black-grey gravelly bouldery clay material of Stockpile 6A.



Plate 17: Coarse gravel to boulder-sized concrete, brick, wood, tile, and wire material in Stockpile 6A.



Plate 18: Fragments of rebar, concrete slab, brick, plastic, and tile.



Plate 19: Overview of coarse gravel to boulder-sized demolition debris in Stockpile 6C.



Plate 20: Container with strong hydrocarbon smell and iridescent sheen in Stockpile 6C.



Plate 21: Fragment of asbestos cement on surface of Stockpile 6C.



Plate 22: Fragment of asbestos cement on surface of Stockpile 6C.



Plate 23: Pit excavated into Stockpile 6D.



Plate 24: Cobble to boulder-sized fragments of concrete, brick, pipe, fabric, and concrete slabs of Stockpile 6D.



Plate 25: Tarmac and coarse roadstone over natural brown clay of Stockpile 7A.



Plate 26: Pit excavated into Stockpile 7C.



Plate 27: Clayey ash fill with coarse gravel to boulder-sized fragments of concrete, brick, pipes, wood, tile plastic strips and metal of Stockpile 7C.



Plate 28: Excavation into bank behind Stockpile 8C showing natural clay underlying the made ground surface.



Plate 29: Excavation into Stockpile 8D showing coarse gravel to cobble sized fragments of demolition material.



Plate 30: Excavation into Stockpile 9A with fragments of concrete, concrete blocks, brick, pipes, rebar wood and other demolition material.



Plate 31: Excavation into Stockpile 9B showing natural clay underlying made ground.



Plate 32: Fragments of concrete with bituminous coating on base of Stockpile 9C.



Plate 33: Rebar and masonry fragments of material on surface of Stockpile 9C.



Plate 34: Fragment of asbestos cement on surface of Stockpile 9C.



Plate 35: Natural brown soft clay underlying Stockpile 9E.



Plate 34: Close up of coarse gravel to cobble-sized material on Stockpile 10A.



Plate 35: Excavation through Stockpile 10B to underlying natural clay.



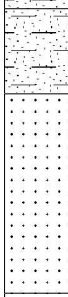
Plate 36: Overview of Stockpile 10C.



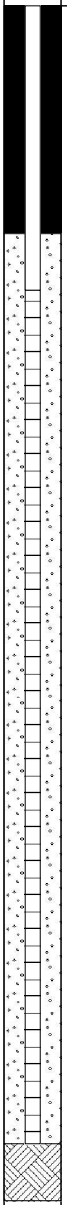
Plate 37: Excavation into Stockpile 10C, showing coarse gravel to boulder sized fragments of brick, wire, rebar, pipe, concrete, concrete block, and white tile.

APPENDIX 3

- Exploratory Hole Logs
- BGS Borehole Logs

IDOM										Borehole Log					Borehole No.	
															MBH01	
															Sheet 1 of 1	
Project Name: Former St Tydfil Hospital					Project No. 21988					Co-ords: 305143E - 206351N					Scale 1:50	
Location: Merthyr Tydfil										Level (m):					Logged By LB	
Equipment: ODEX Rig										Dates: 03/02/2021					Checked By	
Well	Wtr Strk	Sample and In Situ Testing			Coring				Depth (m)	Level (m)	Legend	Stratum Description				
		Depth (m)	Type	Results	FI	TCR	SCR	RQD								
		0.00 - 0.40	D,J,V	N=5 (1 for 75mm/1,1,1,2)								MADE GROUND. Brown-black silty clay topsoil with rare medium to coarse brick and chert.				
		0.40 - 1.20	D,J,V						0.40			Yellow sandy CLAY. Sand is angular fine to coarse.				
		1.20	SPT(S)						1.00			Soft brown-grey slightly silty CLAY.	1			
		1.40 - 1.50	D													
		2.30 - 2.75	U	N=14 (8,8/3,3,3,5)					2.40			Soft dark grey sandy CLAY.				
		2.50 - 2.60	D						2.60			Soft brown-orange silty CLAY with rare to occasional planar cobbles of coarse mudstone and sandstone.	2			
		2.70 - 2.80	D													
		3.00 - 3.20	D									Brown very clayey SAND with fine to medium rare gravel of subangular chert.	3			
		4.00	SPT(S)	N=37 (14,11/7,3,3,24)					3.60			Brown slightly orange silty CLAY with occasional fine to medium gravel of subangular chert.				
		4.60 - 4.70	D						3.80			Brown mottled grey sandy silty CLAY with frequent fine to medium rarely coarse subangular chert and mudstone.	4			
		6.00 - 6.20	D						4.50				5			
		7.20	SPT(S)						6.00			Brown very clayey SAND with occasional fine to medium angular gravel. Sand is fine to medium. Wet.	6			
									7.50			Brown clayey SAND. Damp. Weak	7			
									8.10			Grey fine light SANDSTONE or LIMESTONE.	8			
									9.50			End of Borehole at 9.50m	9			
													10			
D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample SPT(C) = Standard Penetration Test (Cone) SPT(S) = Standard Penetration Test (Split Spoon)					HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm) FI = fracture index TCR = total core recovery SCR = solid core recovery RQD = rock quality designation					Remarks Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.						

						IDom						Borehole Log						Borehole No.							
																		MBH02							
																		Sheet 1 of 2							
Project Name:						Former St Tydfil Hospital						Project No. 21988						Co-ords: 305182E - 206427N						Scale 1:50	
Location:						Merthyr Tydfil						Level (m):						Logged By LB							
Equipment:						ODEX Rig						Dates: 05/02/2021						Checked By							
Well	Wtr Strk	Sample and In Situ Testing				Coring				Depth (m)	Level (m)	Legend	Stratum Description												
		Depth (m)	Type	Results	FI	TCR	SCR	RQD																	
		0.00 - 0.20	D,J,V	N=9 (3,4/3,2,2,2)									Red tiles over CONCRETE.												
		0.45	SPT(S) D										N=14 (2,5/4,3,3,4)		Brown-orange very sandy slightly gravelly CLAY. Gravel is subrounded fine to coarse chert and black mudstone.										
		0.60																							
		1.00	SPT(S) D	N=74 (6,19/74 for 225mm)									Brown slightly gravelly clayey SAND. Wet, weak.												
		1.20																							
		2.00																							
		2.70 - 2.80	D	N=126 (25 for 75mm/126 for 225mm)									Brown-grey gravelly sandy CLAY. Gravel is fine to medium subangular chert and mudstone.												
		3.00 - 3.45	U																						
		3.70	D																						
		4.40	D SPT(S)	N=54 (12,13/22,20,8,4)									Grey fine grained SANDSTONE												
4.50																									
5.80	SPT(C)																								
8.80	SPT(C)																								
													Continued on Next Sheet												
D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample SPT(C) = Standard Penetration Test (Cone) SPT(S) = Standard Penetration Test (Split Spoon)				HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm) FI = fracture index TCR = total core recovery SCR = solid core recovery RQD = rock quality designation				Remarks Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.																	

						Windowless Sample Log		Borehole No. MWS02 Sheet 1 of 1	
Project Name: Former St Tydfil Hospital				Project No. 21988		Co-ords: 305118E - 206504N		Scale 1:25	
Location: Merthyr Tydfil						Level (m):		Logged By LB	
Equipment: Windowless Sampling Rig						Dates: 04/02/2021		Checked By	
Well	Wtr Strk	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.00 - 0.90	D,J,V				MADE GROUND. Brown-black very clayey gravel. Gravel is fine to coarse subangular concrete, brick and asphalt.	1	
					0.90		No recovery.		
		1.40 - 1.60	D,J,V		1.40		Soft grey-brown CLAY with occasional fine to coarse gravel of sandstone. <i>Cobble of medium sandstone.</i>	2	
		1.70 - 1.80	D		2.10		Soft grey CLAY. Wet.		
					3.10		No recovery.	3	
					3.30		Brown to dark brown CLAY with areas of silty clay soil with rare fine to medium gravel of subangular sandstone or mudstone.		
		3.50	D		3.65		Brown CLAY with occasional gravel of fine to medium subangular sandstone. Wet.	4	
					4.20		End of Borehole at 4.20m		
									5
	D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample						SPT(C) = Standard Penetration Test (Cone) SPT(S) = Standard Penetration Test (Split Spoon) HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)		Remarks Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.

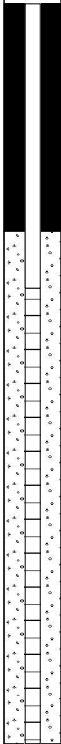
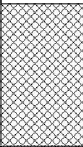
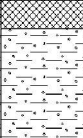
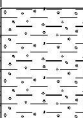
IDOM						Windowless Sample Log		Borehole No. MWS03 Sheet 1 of 1	
Project Name: Former St Tydfil Hospital				Project No. 21988		Co-ords: 305123E - 206391N		Scale 1:25	
Location: Merthyr Tydfil						Level (m):		Logged By LB	
Equipment: Windowless Sampling Rig						Dates: 04/02/2021		Checked By	
Well	Wtr Strk	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.10			ASPHALT.	
					0.50			MADE GROUND. Brown-grey medium to coarse subangular roadstone.	
		0.50 0.60 - 0.90	D,J,V D,J,V					Soft brown slightly gravelly CLAY. Gravel is fine to coarse with one cobble of subangular medium sandstone and mudstone.	
					1.00			No recovery.	
		1.20	D		1.20			Soft grey slightly gravelly CLAY. Gravel is fine, rarely medium to coarse, subangular to angular mudstone or medium sandstone.	
					1.50			No recovery.	
		1.60	D		1.60			Soft brown slightly gravelly CLAY. Gravel is fine to coarse with one cobble of subangular medium sandstone and mudstone.	
					2.00			Soft brown gravelly CLAY. Gravel is fine to medium subangular to angular mudstone and one cobble of medium sandstone. Areas of blackish organic very soft silty clay.	
					2.20			Soft grey mottled orange sandy CLAY with occasional lenses of fine to medium sand.	
		2.50	D		2.60			Soft to firm mottled brown-grey CLAY with rare rootlets.	
					3.25			Soft brown mottled orange slightly sandy CLAY with rare fine to coarse subangular to angular sandstone gravel.	
		3.50	D		3.80			Brown very clayey SAND with occasional fine subangular to angular mudstone.	
					4.00		End of Borehole at 4.00m		

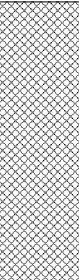
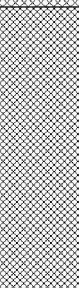
D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample

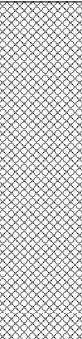
SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Remarks
Coordinates and levels, where indicated, must not be used for design purposes.
The designer is responsible for verifying all site and setting out dimensions.

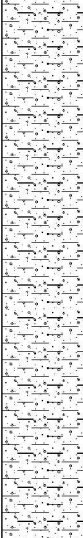
						Windowless Sample Log		Borehole No. MWS05 Sheet 1 of 1				
Project Name: Former St Tydfil Hospital				Project No. 21988		Co-ords: 305185E - 206437N		Scale 1:25				
Location: Merthyr Tydfil						Level (m):		Logged By LB				
Equipment: Window Sampler on Rotary Coring Rig						Dates: 04/02/2021		Checked By				
Well	Wtr Strk	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description				
		Depth (m)	Type	Results								
		0.40	D,J,V		0.40		MADE GROUND. Blackish-brown-grey clayey gravel. Gravel is fine to coarse brick, concrete and tile. No odour.					
					0.80		MADE GROUND. Grey slightly clayey gravel of medium to coarse subangular roadstone (shingles), strong hydrocarbon smell.					
					1.10		Firm orangish-grey CLAY with frequent fractured cobbles of mudstone.					
		1.60	D,J,V		1.50		Soft grey slightly sandy CLAY with occasional subangular fine to medium dark grey mudstone gravel. Strong hydrocarbon smell.					
					1.60		Clayey GRAVEL of fine to medium subangular mudstone. Strong hydrocarbon smell and iridescent sheen.					
							Soft brown-grey CLAY with occasional fine to medium subangular gravel of mudstone.					
		2.70	D,J,V		2.30		Soft brown mottled grey sandy CLAY.					
					2.90		Black organic CLAY around sandstone cobble.					
					3.00		Clayey GRAVEL of fine to medium subangular mudstone. Wet.					
					3.50		Soft to firm brown sandy CLAY with occasional fine to medium gravel of planar black gravel.					
					3.70		Black fractured MUDSTONE.					
					3.90		Brown GRAVEL of fine to medium subangular gravel of mudstone. Very hard.					
					4.20		End of Borehole at 4.20m					
		D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample							SPT(C) = Standard Penetration Test (Cone) SPT(S) = Standard Penetration Test (Split Spoon) HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)			
		Remarks Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.										

						Windowless Sample Log		Borehole No. MWS06 Sheet 1 of 1			
Project Name: Former St Tydfil Hospital				Project No. 21988		Co-ords: 305181E - 206489N		Scale 1:25			
Location: Merthyr Tydfil						Level (m):		Logged By LB			
Equipment: Windowless Sampling Rig						Dates: 07/02/2021		Checked By			
Well	Wtr Strk	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
		Depth (m)	Type	Results							
		0.40	D,J,V		0.50 0.60			ASPHALT.			
		0.80 - 1.00	D,J,V		1.00			MADE GROUND. Brown-grey medium to coarse subangular roadstone. Soft grey slightly gravelly CLAY. Gravel is fine to medium subangular mudstone. Areas of blackish organic silty clay.			
		1.60	D		1.60			No recovery.			
					2.00			Soft grey slightly gravelly CLAY. Gravel is fine to medium subangular mudstone. Areas of blackish organic silty clay.			
					2.30			No recovery.			
		2.50	D		2.50			Soft grey very gravelly CLAY. Gravel is fine to medium angular sandstone.			
		End of Borehole at 2.50m									
D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample						SPT(C) = Standard Penetration Test (Cone) SPT(S) = Standard Penetration Test (Split Spoon) HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)				Remarks Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.	

IDom						TRIAL PIT LOG			TrialPit No MTP01 Sheet 1 of 1		
Project Name: Former St Tydfil Hospital				Project No. 21988		Co-ords: 305167.00 - 206488.00 Level:			Date 05/02/2021		
Location: Merthyr Tydfil						Dimensions (m): 4.00			Scale 1:25		
Equipment: Kobelco SK300s						Depth 2.00			Logged LB		
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description				
	Depth	Type	Results								
				1.00			MADE GROUND. Brown clayey cobbley gravel coal ash fill. Gravel is fine to coarse with cobbles of brick, concrete, metal pipes, tiles, wire, rebar and water pipes an clay drainage pipes. Black insulated pipe encountered, capped water pipe. Pit flooded.				
				2.00			MADE GROUND. Reworked brown CLAY with areas of above made ground included.				
							End of Pit at 2.000m				
D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)				Stability Pit Stable		Remarks Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions. Pit abandoned due to flooding from damaged capped pipes.					

IDOM						TRIAL PIT LOG		TrialPit No MTP02 Sheet 1 of 1	
Project Name: Former St Tydfil Hospital				Project No. 21988		Co-ords: 305120.00 - 206487.00		Date 05/02/2021	
Location: Merthyr Tydfil						Dimensions (m): 4.00		Scale 1:25	
Equipment: Kobelco SK300s						Depth 3.40		1.80	
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
▼	1.00	D,J,V		1.20			MADE GROUND. Black clayey gravel coal ash fill. Gravel is fine to coarses subangular concrete and concrete crush. <i>On right side of pit is brick and concrete fill and a clay pipe.</i>		
	2.00	D		2.90			Soft dark grey mottled orange CLAY.		
				3.40			Soft grey -orange slightly sandy CLAY.		
							End of Pit at 3.400m		
D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)				Stability Pit Stable			Remarks Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.		

IDOM						TRIAL PIT LOG		Trial Pit No MTP03 Sheet 1 of 1	
Project Name: Former St Tydfil Hospital				Project No. 21988		Co-ords: 305147.00 - 206489.00 Level:		Date 05/02/2021	
Location: Merthyr Tydfil						Dimensions (m): 4.00		Scale 1:25	
Equipment: Kobelco SK300s						Depth 3.00		Logged LB	Checked
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
				0.10			ASPHALT		
	0.50	D,J,V					MADE GROUND. Brown gravel of fine to coarse subangular concrete, brick, tile and plastic tile.		
				0.80			MADE GROUND. Reworked brown gravelly clay. Gravel is fine to coarse with boulders of concrete and brick. Concrete foundations present on north end of pit.		
	1.30	D,J,V					MADE GROUND. Soft grey-brown clay with occasional gravel of medium to coarse subrounded tile, chert and concrete. Areas of black organic silty clay.		
	2.50	D		2.50			Soft brown mottled grey CLAY.		
			3.00				End of Pit at 3.000m		
D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)				Stability Pit Stable			Remarks Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.		

IDOM					TRIAL PIT LOG		TrialPit No MTP04 Sheet 1 of 1	
Project Name: Former St Tydfil Hospital			Project No. 21988		Co-ords: 305185.00 - 206449.00		Date 04/02/2021	
Location: Merthyr Tydfil					Dimensions (m): 4.00		Scale 1:25	
Equipment: Kobelco SK300s					Depth 2.90		Logged TPC	
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.30 - 0.40	D,J,V		0.25			MADE GROUND. Asphalt and concrete.	
				MADE GROUND. Orange coarse grained SAND.				
	1.10 - 1.20	D,J,V		0.90			Orange brown very sandy slightly gravelly CLAY. Sand is fine to coarse grained. Gravel is sub angular to sub rounded sandstone.	
					2.80			Light grey SANDSTONE.
				2.90			End of Pit at 2.900m	
			Stability Pit Stable			Remarks Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.		

IDOM						TRIAL PIT LOG		Trial Pit No MTP05 Sheet 1 of 1	
Project Name: Former St Tydfil Hospital				Project No. 21988		Co-ords: 305152.00 - 206519.00 Level:		Date 05/02/2021	
Location: Merthyr Tydfil						Dimensions (m): 4.00		Scale 1:25	
Equipment: Kobelco SK300s						Depth 2.60		1.80	
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
				0.10			MADE GROUND. Loose shingles.		
	0.40	D,J,V					MADE GROUND. Brown clayey gravel of fine to coarse brick, yellow brick, concrete and roadstone.		
	0.70	D,J,V		0.70			Brown mottled grey fine to medium sandy CLAY.		
				2.20			Grey very clayey GRAVEL of fine to medium angular mudstone. Very wet.		
	2.50	B		2.60			End of Pit at 2.600m		
D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)				Stability Pit Stable			Remarks Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.		

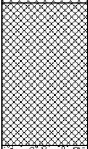
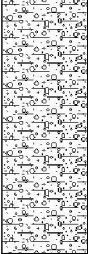
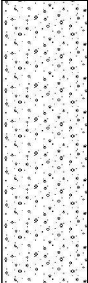
IDOM						TRIAL PIT LOG		TrialPit No MTP06 Sheet 1 of 1	
Project Name: Former St Tydfil Hospital				Project No. 21988		Co-ords: 305156.00 - 206438.00 Level:		Date 05/02/2021	
Location: Merthyr Tydfil						Dimensions (m): 4.00		Scale 1:25	
Equipment: Kobelco SK300s						Depth 3.80		Logged LB	Checked
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
	0.40	D,J,V		0.70			MADE GROUND. Blackish-grey gravelly cobbles of concrete, pipe fragments, concrete blocks and brick.		
	1.30	D		1.50			Soft orange slightly sandy CLAY.		
	2.40	D		2.50			Soft darker grey-brown very sandy very gravelly CLAY with frequent cobbles. Gravel is medium to coarse subrounded to subangular black-reddish mudstone.		
	3.00 - 3.40	B		3.80			Grey-brownish very clayey slightly sandy GRAVEL. Gravel is fine to coarse with cobbles and boulders of subangular to subrounded sandstone and mudstone. Weak and wet.		
							End of Pit at 3.800m		
D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)				Stability Pit Stable		Remarks Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.			

IDOM					TRIAL PIT LOG		TrialPit No MTP07 Sheet 1 of 1	
Project Name: Former St Tydfil Hospital			Project No. 21988		Co-ords: 305149.00 - 206404.00 Level:		Date 05/02/2021	
Location: Merthyr Tydfil					Dimensions (m): 4.00		Scale 1:25	
Equipment: Kobelco SK300s					Depth 3.00 1.80		Logged LB Checked	
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
▼	0.10	D,J,V		0.10		ASPHALT	1 2 3 4 5	
				0.80		MADE GROUND. Black gravelly clay coal ash fill. Gravel is medium to coarse brick and roadstone with fragments of clay pipe.		
	1.40	D				Soft brown sandy gravelly CLAY with rare cobbles. Gravel is fine to coarse subrounded sandstone or mudstone.		
				1.90		Soft grey CLAY with rare fine to coarse gravel of mudstone.		
	2.40	D		3.00		End of Pit at 3.000m		
D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)				Stability Pit Stable		Remarks Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.		

IDOM						TRIAL PIT LOG		Trial Pit No MTP08 Sheet 1 of 1	
Project Name: Former St Tydfil Hospital				Project No. 21988		Co-ords: 305140.00 - 206384.00 Level:		Date 05/02/2021	
Location: Merthyr Tydfil						Dimensions (m): 4.00		Scale 1:25	
Equipment: Kobelco SK300s						Depth 2.80		Logged LB	Checked
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
				0.20			ASPHALT		
	0.50	D,J,V					MADE GROUND. Black clayey gravel coal ash fill. Gravel is fine to coarse sunagular to angular roadstone, concrete and brick.		
	1.00	D		0.80			Soft brown sandy CLAY with occasional fine to coarse gravel of subangular rusted mudstone and occasional rounded cobbles of sandstone.		
	1.00	D,J,V					Soft grey-green slightly sandy CLAY with occasional coarse grey-purplish sand lenses and rare lenses of fine angular mudstone gravel.		
				2.60			Soft grey-green slightly sandy CLAY with occasional coarse grey-purplish sand lenses and rare lenses of fine angular mudstone gravel.		
				2.80			End of Pit at 2.800m		
D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)				Stability Pit Stable			Remarks Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.		

IDOM						TRIAL PIT LOG		Trial Pit No MTP09 Sheet 1 of 1		
Project Name: Former St Tydfil Hospital				Project No. 21988		Co-ords: 305224.00 - 206470.00 Level:		Date 04/02/2021		
Location: Merthyr Tydfil						Dimensions (m): 4.00		Scale 1:25		
Equipment: Kobelco SK300s						Depth 3.00		Logged TPC	Checked	
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
	Depth	Type	Results							
	0.10	D,J,V		0.15			MADE GROUND. Asphalt			
	0.50	D,J,V						MADE GROUND. Dark grey reworked very sandy gravelly clay. With inclusions of plastic and occasional rootlets. Sand is fine to coarse grained. Gravel is sub angular to angular slate, concrete, asbestos containing cement and brick.		
	0.90	D				Corrugated asbestos containing cement sheet.				
				1.20				Orange brown and light grey very sandy slightly silty CLAY. Sand is fine to coarse grained.		
	2.50	D					Pocket of red brown highly weathered very weak sandstone.			
				3.00		End of Pit at 3.000m				
D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)				Stability Pit Stable			Remarks Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.			

IDOM					TRIAL PIT LOG		TrialPit No MTP10 Sheet 1 of 1	
Project Name: Former St Tydfil Hospital			Project No. 21988		Co-ords: 305130.00 - 206340.00		Date 05/02/2021	
Location: Merthyr Tydfil					Dimensions (m): 4.00		Scale 1:25	
Equipment: Kobelco SK300s					Depth 3.00		Logged LB	
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.20 - 0.30	D,J,V		0.60			Brown slightly gravelly TOPSOIL. Asphalt broken through at end of pit.	
	0.20 - 0.30	D,J,V					Soft brown sandy CLAY with occasional fine to coarse subrounded sandstone or mudstone gravel.	
							Grey brown fractured planar angular COBBLES of mudstone. <i>Upper and lower boundary of the mudstone unit are lensoid-shaped and varied.</i>	
							Very soft gravelly CLAY. Gravel is fine to medium angular mudstone. Slightly wet in areas.	
							End of Pit at 3.000m	
D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)			Stability Pit Stable			Remarks Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.		

IDOM						TRIAL PIT LOG		TrialPit No MTP11 Sheet 1 of 1	
Project Name: Former St Tydfil Hospital				Project No. 21988		Co-ords: 305226.00 - 206454.00		Date 04/02/2021	
Location: Merthyr Tydfil						Dimensions (m): 4.00		Scale 1:25	
Equipment: Kobelco SK300s						Depth 2.50		1.80	
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
				0.10			MADE GROUND. Asphalt		
				0.60			MADE GROUND. Reworked grey ash sandy gravel with cobbles and inclusions of metal. Sand is coarse grained. Gravel and cobbles are sandstone and concrete.		
				1.50			Light orange brown very gravelly sandy CLAY. Sand is fine to coarse grained. Gravel is sub angular weathered sandstone.		
				2.50			Slightly sandy GRAVEL with occasional cobbles of weathered sandstone. Sand is light orange and fine to coarse grained. Gravel is weathered sub angular sandstone.		
							End of Pit at 2.500m		

1

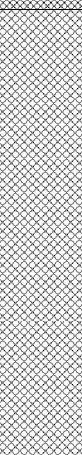
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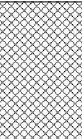
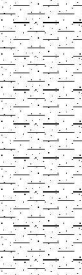
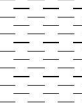
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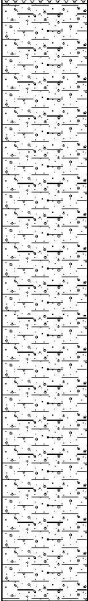
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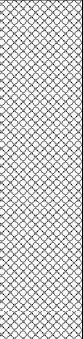
D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample HSV = hand shear vane (kPa) PP = pocket penetrometer (kg/cm2) PID = photoionisation detector (ppm)	Stability Pit Stable	Remarks Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.
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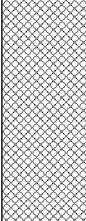
IDOM						TRIAL PIT LOG		TrialPit No MTP12 Sheet 1 of 1	
Project Name: Former St Tydfil Hospital				Project No. 21988		Co-ords: 305218.00 - 206446.00 Level:		Date 04/02/2021	
Location: Merthyr Tydfil						Dimensions (m): 4.00		Scale 1:25	
Equipment: Kobelco SK300s						Depth 3.20		Logged TPC	Checked
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
	0.60 - 0.80 0.60 - 0.80	D,J,V D,J,V		0.10			MADE GROUND. Asphalt		
				0.40			MADE GROUND. Angular Limestone gravel.		
							MADE GROUND - Fill. Large cobbles and boulders of concrete and brick within a dark grey sandy silty clay with ash, slate and metal inclusions.		
							<i>Hydrocarbon odour</i>		
							2.00		Light orange brown very sandy slightly gravelly CLAY. Gravel is sub angular to sub rounded sandstone. Sand is fine to coarse grained.
3.20		End of Pit at 3.200m							
D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)				Stability Pit unstable from 2.0 m			Remarks Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.		

IDOM						TRIAL PIT LOG			TrialPit No MTP13 Sheet 1 of 1		
Project Name: Former St Tydfil Hospital				Project No. 21988		Co-ords: 305114.00 - 206513.00 Level:			Date 05/02/2021		
Location: Merthyr Tydfil						Dimensions (m): 4.00			Scale 1:25		
Equipment: Kobelco SK300s						Depth 2.50			Logged LB		
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description				
	Depth	Type	Results								
	1.50	D		0.90			MADE GROUND. Black clayey gravel coal ash fill. Gravel is fine to medium subangular shale, concrete and roadstone. Wet.				
	2.50	D		2.50			Soft brown very sandy clay with frequent cobbles of rounded to subrounded sandstone. Areas of clayey sand.				
							End of Pit at 2.500m				
				Stability Pit unstable from 2.0 m			Remarks Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.				

					TRIAL PIT LOG		TrialPit No MSP01 Sheet 1 of 1		
Project Name: Former St Tydfil Hospital				Project No. 21988		Co-ords: 305156.00 - 206340.00 Level:		Date 08/02/2021	
Location: Merthyr Tydfil						Dimensions (m): 1.50		Scale 1:25	
Equipment: Bobcat E27z						Depth 2.30		Logged LB	
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
				0.50			MADE GROUND. Black-brown slightly clayey gravel with occasional cobbles of subangular fragments including red brick, concrete and roadstone. Possibly organic. <i>Surface asbestos cement fragment identified.</i>		
				1.50			Soft brown slightly sandy CLAY with frequent medium to coarse sandstone and planar black-grey mudstone.		
	1.60	D		1.90			Soft grey CLAY with frequent fine sand and occasional lenses of black fine angular mudstone gravel.		
	2.20	D		2.30			Soft brown-orange sandy CLAY with occasional black subangular to angular sandstone gravel and lenses of organic black silty clay.		
							End of Pit at 2.300m		
D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample HSV = hand shear vane (kPa) PP = pocket penetrometer (kg/cm2) PID = photoionisation detector (ppm)				Stability Pit Sides unstable			Remarks Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.		

					TRIAL PIT LOG		TrialPit No MSP02 Sheet 1 of 1	
Project Name: Former St Tydfil Hospital			Project No. 21988		Co-ords: 305135.00 - 206347.00 Level:		Date 08/02/2021	
Location: Merthyr Tydfil					Dimensions (m): 2.00		Scale 1:25	
Equipment: Bobcat E27z					Depth 2.30		Logged TPC	
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.10 - 0.20	D,J,V		0.20			MADE GROUND. Reworked dark grey very sandy gravelly clay topsoil.	
	2.10 - 2.20	D		2.30			Orange brown very sandy gravelly CLAY. Sand is fine to coarse grained. Gravel is angular to sub angular sandstone.	
							End of Pit at 2.300m	
D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)				Stability Pit sides stable			Remarks Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.	

					TRIAL PIT LOG		TrialPit No MSP03 Sheet 1 of 1	
Project Name: Former St Tydfil Hospital			Project No. 21988		Co-ords: 305137.00 - 206369.00 Level:		Date 08/02/2021	
Location: Merthyr Tydfil					Dimensions (m):		Scale 1:25	
Equipment: Bobcat E27z					Depth 2.10		Logged TPC	
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.40 - 0.50	D,J,V		1.20			MADE GROUND. Cobbles of brick, concrete, sandstone with inclusions of plastic, metal, wood and slate within a dark grey sandy gravelly clay matrix. Sand is coarse grained. Gravel is angular to sub angular sandstone, brick, concrete and ash.	
							Orange brown very sandy gravelly CLAY with sub angular cobbles of sandstone. Sand is fine to coarse grained. Gravel is angular to sub angular sandstone.	
						End of Pit at 2.100m		
			Stability Pit sides stable			Remarks Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.		

					TRIAL PIT LOG		TrialPit No MSP04 Sheet 1 of 1	
Project Name: Former St Tydfil Hospital			Project No. 21988		Co-ords: 305126.00 - 206392.00 Level:		Date 08/02/2021	
Location: Merthyr Tydfil					Dimensions (m): 2.00		Scale 1:25	
Equipment: Bobcat E27z					Depth 2.30		Logged TPC	
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.20 - 0.30	D,J,V		0.80			MADE GROUND. Grass over dark grey and red brown very sandy gravelly cobbly clay with inclusions of metal, plastic and wood. Cobbles are sub angular sandstone, brick and concrete. Sand is coarse grained. Gravel is angular to sub rounded sandstone, brick and concrete.	
	0.90 - 1.00	D,J,V					Orange brown very sandy gravelly CLAY with sub angular cobbles of sandstone. Sand is fine to coarse grained. Gravel is angular to sub angular sandstone.	
	1.20	D						
				2.30			End of Pit at 2.300m	
D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)				Stability Pit sides stable		Remarks Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.		

IDOM						TRIAL PIT LOG		TrialPit No MSP05 Sheet 1 of 1	
Project Name: Former St Tydfil Hospital				Project No. 21988		Co-ords: 305102.00 - 206489.00		Date 09/02/2021	
Location: Merthyr Tydfil						Dimensions (m): 1.50		Scale 1:25	
Equipment: Bobcat E27z						Depth 2.60		0.60	
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
	1.00	D,J,V		0.50			MADE GROUND. Cobbles and gravel of concrete, brick and asphalt. Demolition rubble.		
	1.00	D,J,V		0.80			MADE GROUND. Reworked soft grey very gravelly sandy clay. Gravel is angular brick, ash, limestone and sandstone.		
				1.50			MADE GROUND. Reworked soft grey very gravelly sandy clay with rare sub angular to angular cobbles. Gravel and cobbles are angular brick and sandstone.		
				2.50			MADE GROUND. Angular to sub rounded gravel and cobbles within a silty grey and black ash matrix. Gravel and cobbles are slate, porcelain and sandstone.		
				2.60			Dark grey brown firm slightly gravelly sandy CLAY. Sand is fine grained. Gravel is sub angular to sub rounded sandstone.		
							End of Pit at 2.600m		
				Stability Pit sides unstable at depth			Remarks Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.		

IDOM						TRIAL PIT LOG		Trial Pit No MSP06 Sheet 1 of 1	
Project Name: Former St Tydfil Hospital				Project No. 21988		Co-ords: 305121.00 - 206496.00		Date 09/02/2021	
Location: Merthyr Tydfil						Dimensions (m): 2.00		Scale 1:25	
Equipment: Bobcat E27z						Depth 2.85		0.40	
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
				0.90			MADE GROUND. Black-grey very gravelly clay coal ash fill. Gravel is medium to coarse with occasional cobbles of brick, concrete and tile.		
	1.40	D		1.50			Brown slightly silty clayey GRAVEL. Gravel is medium to coarse subangular sandstone and planar mudstone.	1	
				1.80			Dark brown slightly silty CLAY with interbedded lenses of black organic gravelly clay of fine angular, sharp mudstone.		
	2.40	D		2.70			Soft to firm brown-blackish organic fine sandy CLAY with interbedded lenses of above slightly silty clay.	2	
	2.80	D		2.85			Soft grey mottled orange CLAY.		
							End of Pit at 2.850m	3	
								4	
								5	

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Pit sides stable

Remarks
Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.