

APPENDIX B

STANDARD PROCEDURES

B0 General Principles

This ground investigation was undertaken in general accordance with the principles of BS EN 1997-1 [1] and BS EN 1997-2 [2] and the advice given in BS5930:2015 [6], which, provides complimentary guidance on the application of the primary standards. Where the requirements of the ground investigation specification differ from these primary standards, the investigation methodology was adapted as required and specific notes regarding methods and techniques employed were made in the appropriate report sections.

B1 Buried Services

Service clearance was undertaken in accordance with Arcadis' common operating practice COP SA1. This document details the methods and safe working practices used to undertake excavations safely. Prior to breaking ground, services plans were consulted and the area scanned using a Cable Avoidance Tool (CAT) with detected signals marked on the ground. For all investigation positions, other than for machine excavated trial pits, hand excavated inspection pits are completed to 1.20 m bgl prior to the use of drilling and boring plant.

B2 Sampling requirements

The selection of sample types and sampling techniques has been chosen to take account of the soil fabric, size and quality of sample required based on whether the soils mass properties or the intact material properties of the ground are to be determined in subsequent laboratory tests. BS EN ISO 22475-1 [4] describes three generic sample groups that are:

- a. Sampling by drilling. Generally a disturbed sample recovered from the drilling tool or digging equipment, typically meeting Class 3 to Class 5 requirements, with the recovered material being stored in bulk bags or sealed jar or tub containers.
- b. Sampling by sampler. Typically referred to as open tube or drive sampling in which a tube with a sharp cutting edge is driven into the ground either by static thrust or dynamically driven to give a relatively undisturbed sample of Class 1 or Class 2 but may result in a Class 3 sample.
- c. Block sampling. Cylindrical large diameter samples or cuboid hand-cut samples usually relatively undisturbed Class 1 and Class 2.

The open-tube sampling equipment used on the site was of a type and design that conformed to BS EN ISO 22475-1. For the purpose of this ground investigation block sampling was not required.

Generally samples were assessed on site and any unexpected deterioration in sample quality was reported to the ground engineer by the lead drilling technician.

Sufficient and representative samples were taken to allow the geo-mechanical properties of the ground to be adequately characterised and to enable the sequence of soil strata to be described by an engineering geologist or geotechnical engineer.

Where samples have been taken for chemical tests the drilling method attempted to adopt dry drilling over the sampling range that generally was achieved by the use of drill casing to separate and isolate the upper soil layers and exclude groundwater. Cross-contamination was further reduced by regular cleaning of sampling tools. Sample integrity was maintained by sealing samples immediately on collection and storing the samples in a temperature controlled cool box. Samples were despatched from the site at the end of the shift on which they were collected or as

required in the project specification. Details of best practice storage, preservation and decontamination measures undertaken are given below:

Task	Soil	Groundwater	Ground Gas
Storage	Glass jars and vials supplied by the laboratory were used for the collection of soil samples to be analysed for volatile compounds. Plastic one-litre tubs were used to collect soil samples for metals analysis.	Glass vials supplied by the laboratory were used for the collection of samples to be analysed for volatile compounds. Samples to be analysed for lower volatility compounds were stored in laboratory prepared glass bottles.	1.4L Canisters supplied by the laboratory.
Preservation	Filling of sample containers as far as practicable to minimise headspace and low storage temperature to minimise the potential for volatilisation and biodegradation of petroleum hydrocarbon compounds prior to analysis.		Not required.
Decontamination	Disposable gloves were worn and changed between sample collection to prevent cross-contamination.	Groundwater samples were collected using dedicated disposable tubing / bailers, that were changed between monitoring well locations in order to prevent cross-contamination.	Disposable gloves were worn and changed between sample collection to prevent cross contamination.
Transport	Samples stored in dedicated sample boxes provided by the laboratory. Sample details and analytical requests were recorded on the laboratory chain of custody form included with samples, prior to dispatching to laboratory for analysis. Samples were dispatched to the laboratory on the day of sampling.		

B3 Sample description

Sample description was undertaken by the Arcadis site geologist in accordance with BS 5930: 2015. The descriptions of the individual samples were used to identify the sequence of strata at the exploratory hole location and from which representative exploratory hole logs were drawn.

B5 Data transfer format

The data collated during the ground investigation has been organised and managed using the “AGS data format” that allows data transfer between different disciplines and organisations in accordance with BS 8574 [7].

B6 References

1. BS EN 1997-1. 2004. Eurocode 7: Geotechnical Design. Part 1 General Rules. British Standards Institution, 2013 (revised text).
2. BS EN 1997-2. 2007. Eurocode 7: Geotechnical Design. Part 2 Ground Investigation and testing. British Standards Institution, 2010 (revised text).
3. BS EN ISO 22282-1:2012. Geotechnical investigation and testing – Geohydraulic testing. Part 1: General Rules. British Standards Institution.
4. BS EN ISO 22475-1. Geotechnical investigation and testing – Sampling methods and groundwater measurements – Part 1 Technical principles for execution.
5. BS EN ISO 22476-1:2015. Geotechnical investigation and testing – Field testing – Part 1: Electrical cone and piezocone test. British Standards Institution
6. BS 5930: 2015. Code of practice for ground investigation. British Standards Institution.
7. BS 8574. Code of practice for the management of geotechnical data for ground engineering projects.
8. BS 1377-9. 1990. Methods of test for soils for civil engineering purposes. Part 9: In-situ tests. British Standards Institution.

B7 Exploratory Hole Key

APPENDIX C

EXPLORATORY HOLE LOGS & PHOTOGRAPHIC RECORDS

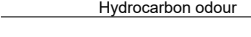
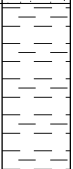
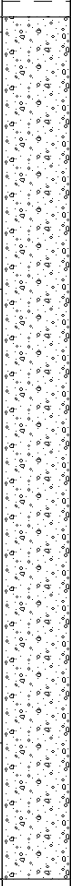
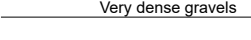
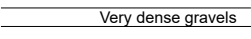
Project Burr

Project No.
10013618

Ground Level (mAOD)
6.40

Start Date
04/12/2017

Scale
1:50

SAMPLES		TESTS			Water Strikes	PROGRESS		STRATA						Depth (Thickness)	Level	Install/ Backfill	
Depth	Type/ No.	Depth	Type/ No.	Results		Date Time	Casing Water	Description	Legend								
0.50	ES1				04/12/2017 11:00	0.00 DRY	MADE GROUND: Light grey slightly sandy GRAVEL with occasional rootlets. Gravel is fine to coarse of brick, type 1, concrete. MADE GROUND: Dark brown slightly clayey very sandy GRAVEL with medium cobble content. Gravel is angular to subrounded, fine to coarse of brick, ash, concrete and wood with occasional fragments of plastic.		0.10	6.30							
																	
								Light greenish brown sandy SILT. [ESTUARINE ALLUVIUM DEPOSITS]		2.50 (0.60)	3.90						
3.00 - 3.50	ES2				04/12/2018 17:00 05/12/2018 09:00	3.00 DRY 3.00 DRY	Soft to firm grey silty CLAY. [ESTUARINE ALLUVIUM DEPOSITS]		3.10 (1.20)	3.30							
								Light orangish brown dense sandy GRAVEL with medium cobble content. Gravel is subrounded fine to coarse. [ESTUARINE ALLUVIUM DEPOSITS]		4.30	2.10						
																	
																	

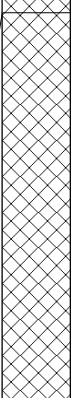
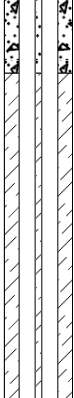
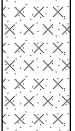
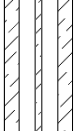
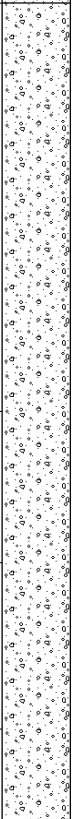
Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

Project No.
10013618
Easting (OS mE)
275905.10

Ground Level (mAOD)
6.29
Northing (OS mN)
189816.75

Start Date
06/12/2017
End Date
07/12/2017

Scale
1:50
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	PROGRESS		STRATA						Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Date Time	Casing Water	Description	Legend							
0.50 - 1.00	ES1					06/12/2017 09:00	0.00 DRY	MADE GROUND: Grass over dark brown slightly clayey gravelly SAND with frequent rootlets. Gravel is angular to subrounded fine and medium of brick and concrete, with occasional fragments of plastic. MADE GROUND: Dark grey and brown slightly clayey sandy GRAVEL with medium cobble content. Gravel is angular to subrounded fine to coarse of brick, ash, concrete and wood with occasional fragments of plastic.		0.10	6.19					
2.90 - 3.50	ES2							Light greenish brown sandy SILT. [ESTUARINE ALLUVIUM DEPOSITS]		2.70 (0.90)	3.59					
5.00 - 5.50	B3							Light orangish brown dense sandy GRAVEL with medium cobble content. Gravel is subrounded fine to coarse. [ESTUARINE ALLUVIUM DEPOSITS]		3.60 <						

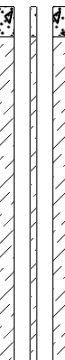
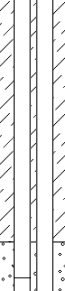
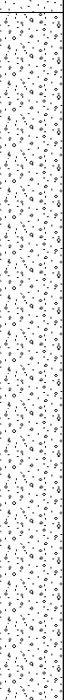
Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

Project No.
10013618
Easting (OS mE)
275895.27

Ground Level (mAOD)
6.24
Northing (OS mN)
189780.10

Start Date
07/12/2017
End Date
08/12/2017

Scale
1:50
Sheet 1 of 1

SAMPLES			TESTS			Water Strikes	PROGRESS		STRATA						Depth (Thickness)	Level	Install/ Backfill	
Depth	Type/ No.		Depth	Type/ No.	Results		Date Time	Casing Water	Description									Legend
0.50	ES1		0.75	PID	<1ppm		07/12/2017 09:00	0.00 DRY	MADE GROUND: Brown sandy subangular to subrounded fine to coarse GRAVEL of brick, concrete and slag with low cobble content. Cobbles are subangular of brick and concrete.							(2.40)		
									Yellow silty SAND.							2.40 (0.30)	3.84	
3.00	ES2		3.00	PID	<1ppm				Light grey silty SAND.							2.70	3.54	
									Yellow and brown very gravelly SAND tending to very sandy GRAVEL with medium cobble content. Gravel is subangular to subrounded fine to coarse of sandstone. Cobbles are subangular of sandstone.							(2.00)		
							07/12/2017 17:00	6.80 2.10										
							08/12/2017 09:00	6.80 2.10										
							08/12/2017 11:00	9.00 DRY										
DRILLING TECHNIQUE			CHISELLING			WATER OBSERVATIONS						HOLE/CASING DIAMETER				WATER ADDED		
From	To	Type	From	To	Duration	Date/Time	Strike At	Time Elapsed	Rise To	Casing	Sealed	Hole Dia.	Depth	Casing Dia.	Depth	From	To	Volume (ltr)
0.00	1.20	Inspection Pit	6.60	6.80	01:00	07/12/2017 11:00	2.70	20	2.40	2.50		200	9.30	250	3.00			
1.20	9.30	Cable Percussion	6.80	7.30	00:50													
			8.60	8.90	02:00													
Remarks																		
Terminated on Engineer's instruction.																		
Groundwater seepage at 2.70 mbgl.																		
																Termination Depth:		
																9.30m		

Scale
1:50

Sheet 1 of 1

AGS Arcadis Cymru House
St Mellons Business
Park
Cardiff
CF3 0EY

Logged By	Checked By
	JA

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

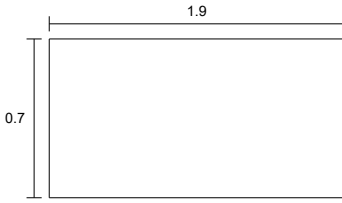
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10013618
Easting (OS mE)
275852.41

Ground Level (mAOD)
6.66
Northing (OS mN)
189887.54

Start Date
06/12/2017
End Date
06/12/2017

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
						MADE GROUND: Dark brown slightly clayey gravelly SAND with low cobble content. Gravel is subangular to subrounded fine to coarse of brick and concrete. Cobbles are subangular of brick.		(0.50)		
								0.50	6.16	

PLAN DETAILS				Remarks
				Terminated on Engineer's instruction - section of cable found at 0.5 mbgl. Relocate to ATP01a. No groundwater encountered.
				Termination Depth: 0.50m

Project
Burrows Yard
Client
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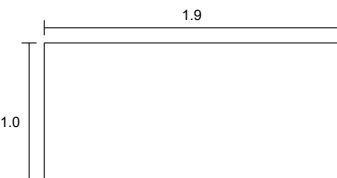
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10013618
Easting (OS mE)
275851.38

Ground Level (mAOD)
6.42
Northing (OS mN)
189889.27

Start Date
06/12/2017
End Date
06/12/2017

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
0.50 0.50 - 0.60	ES ES1					MADE GROUND: Soft brown sandy slightly gravelly CLAY with few roots. Gravel is subangular to subrounded fine to coarse of brick.		(0.20)		
						MADE GROUND: Grey gravelly SAND. Gravel is subangular to subrounded fine to coarse of brick and concrete.		0.20 0.25	6.22 6.17	
						MADE GROUND: Dark brown slightly clayey gravelly SAND with low cobble content. Gravel is subangular to subrounded fine to coarse of brick, concrete and clinker. Cobbles are subangular of brick and concrete.		(0.45)		
								0.70	5.72	

PLAN DETAILS		Remarks
	Long Axis Orientation: NA Shoring / Support: None Stability: Sunstable Groundwater (description): Not encountered	Terminated on Engineer's instruction - curved concrete base found in pit. No groundwater encountered.
		Termination Depth: 0.70m

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

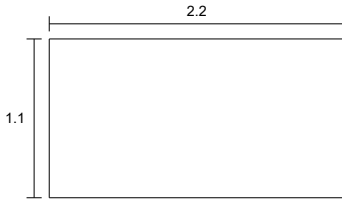
Project No.
10013618
Easting (OS mE)
275842.30

Ground Level (mAOD)
6.62
Northing (OS mN)
189875.35

Start Date
06/12/2017
End Date
06/12/2017

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
0.90 0.90 - 1.00	ES ES1					MADE GROUND: Brown slightly clayey gravelly SAND with high cobble content. Gravel is subangular to subrounded fine to coarse of brick and concrete. Cobbles are subangular of brick.		(1.90)		
1.80 - 1.90	ES2							1.90	4.72	

PLAN DETAILS					Remarks
 Long Axis Orientation: NA Shoring / Support: None Stability: Unstable Groundwater (description): Not encountered					Terminated on Engineer's instruction due to collapsing sides. No groundwater encountered.
					Termination Depth: 1.90m

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

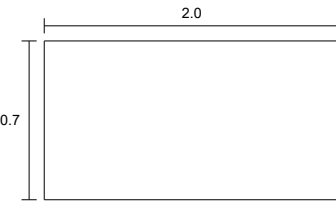
Project No.
10013618
Easting (OS mE)
275855.57

Ground Level (mAOD)
Northing (OS mN)
189836.53

Start Date
06/12/2017
End Date
06/12/2017

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/Backfill
Depth	Type/No.	Depth	Type/No.	Results		Description	Legend			
1.20 1.20 - 1.30	ES ES1					MADE GROUND: Brown slightly clayey gravelly SAND with high cobble content. Gravel is subangular to subrounded brick and concrete. Cobbles are subangular of brick. Occasional metal and wood fragments.		(1.50)		
2.40 - 2.50	ES2					MADE GROUND: Yellowish brown very sandy gravelly CLAY with medium cobble content. Gravel is subangular to subrounded of brick and concrete. Cobbles are subangular of brick and concrete.		1.50 (1.00)		
								2.50		

PLAN DETAILS		Remarks
	Long Axis Orientation: NA Shoring / Support: None Stability: Unstable Groundwater (description): Not encountered	Terminated on Engineer's instruction - Excavator limited due to surrounding building frame structure. No groundwater encountered.
		Termination Depth: 2.50m

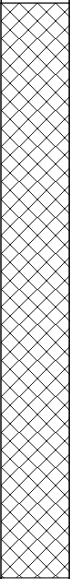
Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

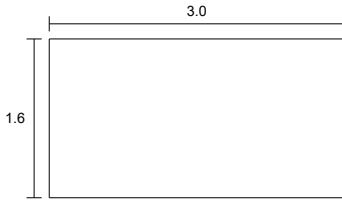
Project No.
10013618
Easting (OS mE)

Ground Level (mAOD)
Northing (OS mN)

Start Date
06/12/2017
End Date
06/12/2017

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
1.20 1.20 - 1.30	ES ES1					MADE GROUND: Brown slightly clayey gravelly SAND with high cobble content and few roots. Gravel is subangular to subrounded fine to coarse of brick and concrete. Cobbles are subangular of brick.		(1.90)		
1.80 - 1.90	ES2							1.90		

PLAN DETAILS					Remarks
 Long Axis Orientation: NA Shoring / Support: Stability: Unstable Groundwater (description): Not encountered					Terminated on Engineer's instruction - concrete base encountered at 1.90 mbgl. No groundwater encountered. Termination Depth: 1.90m

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

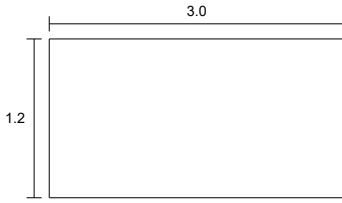
Project No.
10013618
Easting (OS mE)
275958.51

Ground Level (mAOD)
6.23
Northing (OS mN)
189850.12

Start Date
05/12/2017
End Date
05/12/2017

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
0.50 0.50	ES ES1					MADE GROUND: Dark greyish brown sandy GRAVEL with high cobble content. Gravel is angular to subangular, fine to coarse of brick, wood, plastic, concrete. Cobbles are angular of brick up to ~450mm				
2.00 2.00 - 2.10	ES ES2	2.00	PID	9.106ppm		Light orangish brown and grey slightly silty sandy CLAY. Strong hydrocarbon odour. Machine encountered hard strata with what looks like a curved surface trending north east to south west.		2.00 (0.10) 2.10	4.22 4.12	

PLAN DETAILS					Remarks
					Terminated on potential buried structure. No groundwater encountered.
					Termination Depth: 2.10m

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

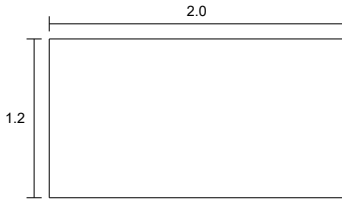
Project No.
10013618
Easting (OS mE)
275946.03

Ground Level (mAOD)
6.11
Northing (OS mN)
189819.52

Start Date
05/12/2017
End Date
05/12/2017

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
						MADE GROUND: Dark greyish brown slightly clayey very sandy GRAVEL. Gravel is angular to subangular of brick, sandstone, type 1. Occasional rootlets.				
						Metal pipe encountered running east west		(1.00)		
								1.00	5.11	

PLAN DETAILS						Remarks
 Long Axis Orientation: NA Shoring / Support: None Stability: Stable Groundwater (description): Not encountered						Terminated on metal obstruction and buried services. No groundwater encountered. Termination Depth: 1.00m

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

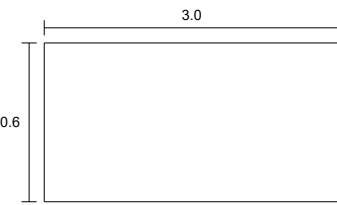
Project No.
10013618
Easting (OS mE)
275924.27

Ground Level (mAOD)
5.95
Northing (OS mN)
189871.03

Start Date
07/12/2017
End Date
07/12/2017

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
						TOPSOIL: Brown silty slightly gravelly SAND with a frequent amount of rootlets. Sand is fine to coarse. Gravel is subangular and fine of brick, slag and glass. Rootlets are around 1 mm to 2 mm in diameter. MADE GROUND: Dark brown gravelly SAND. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of orange brick, coal, slag, concrete, glass and pottery.	 	(0.10) 0.10 (0.30) 0.40	5.85 5.55	   

PLAN DETAILS		Remarks
	Long Axis Orientation: NA Shoring / Support: None Stability: Stable Groundwater (description): Not encountered	Location terminated due to unmarked service - 200mm diameter water pipe at 0.4 mbgl. No groundwater encountered.
		Termination Depth: 0.40m

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

Project No.
10013618
Easting (OS mE)
275922.55

Ground Level (mAOD)
6.07
Northing (OS mN)
189868.71

Start Date
07/12/2017
End Date
07/12/2017

Scale
1:25

Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
0.40 0.40 - 2.00	ES ES1					TOPSOIL: Brown silty slightly gravelly SAND with a frequent amount of rootlets. Sand is fine to coarse. Gravel is subangular and fine of brick, slag and glass. Rootlets are around 1 mm to 2 mm in diameter.		(0.20)	5.87	
						MADE GROUND: Light brown sandy slightly gravelly SILT. Sand is fine to coarse. Gravel is subangular and fine of orange brick and coal.		0.20 (0.20)		
						MADE GROUND: Dark brown gravelly SAND. Sand is fine to coarse. Gravel is subangular to subrounded of orange brick, coal, slag, concrete and pottery.		0.40	5.67	
2.00 - 2.20	ES2							(1.60)		
2.20 2.20	ES ES3	2.10 2.20	PID PID	<1ppm <1ppm		MADE GROUND: Grey conglomerated SAND. Sand is fine to coarse with frequent amounts of black and white fragments, some fragments are both dense and soft in hardness.		2.00 (0.20) 2.20	4.07 3.87	

PLAN DETAILS		Remarks
3.0 0.6 Long Axis Orientation: Shoring / Support: None Stability: Stable Groundwater (description): Not encountered	Terminated due to concrete slab at base of pit. Groundwater seepage at 2.20 mbgl with hydrocarbon sheen.	Termination Depth: 2.20m

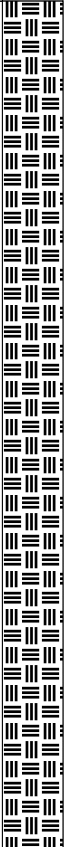
Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

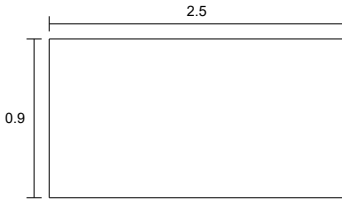
Project No.
10013618
Easting (OS mE)
275894.40

Ground Level (mAOD)
6.26
Northing (OS mN)
189842.30

Start Date
06/12/2017
End Date
06/12/2017

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
1.30 1.30 - 1.40	ES ES1					MADE GROUND: Brown slightly clayey gravelly SAND with medium cobble content. Gravel is subangular to subrounded fine to coarse of brick and concrete. Cobbles are subangular of brick and concrete.		(2.80)		
2.60 - 2.70	ES2							2.80	3.46	

PLAN DETAILS					Remarks
 Long Axis Orientation: NA Shoring / Support: None Stability: Unstable Groundwater (description): Not encountered					Terminated on Engineer's instruction due to collapsing sides. No groundwater encountered.
					Termination Depth: 2.80m

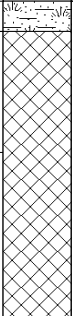
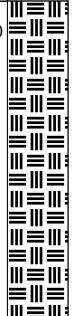
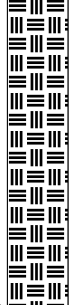
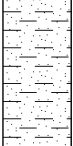
Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

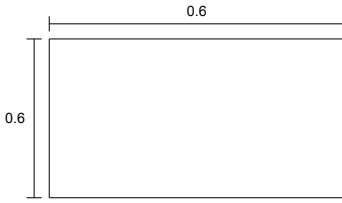
Project No.
10013618
Easting (OS mE)
275936.40

Ground Level (mAOD)
6.00
Northing (OS mN)
189847.77

Start Date
06/12/2017
End Date
06/12/2017

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1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
0.10 0.10 - 2.10	ES ES1					TOPSOIL: Light brown fine to coarse SAND with a frequent amount of rootlets. MADE GROUND: Dark brown SAND & GRAVEL. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of brick, coal and metal fragments. Bricks become less frequent with depth. Frequent amount of orange subangular coarse GRAVEL of orange brick.		(0.10) 0.10	5.90	
1.10 - 1.30	ES2	1.20	PID	<1ppm		Black conglomerated SAND with frequent amount of white patch's.		(2.00)		
2.10 2.10 - 2.60	ES ES3					Stiff light brown slightly sandy CLAY.		2.10 (0.50)	3.90	
								2.60	3.40	

PLAN DETAILS						Remarks
						Terminated on Engineer's instruction. No groundwater encountered.
						Termination Depth: 2.60m

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

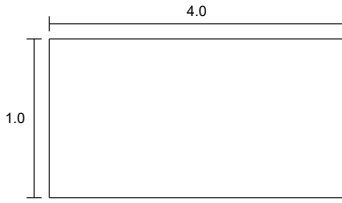
Project No.
10013618
Easting (OS mE)
275929.73

Ground Level (mAOD)
6.02
Northing (OS mN)
189833.78

Start Date
05/12/2017
End Date
05/12/2017

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1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
1.20 1.20	ES ES1					MADE GROUND: Dark greyish brown slightly clayey sandy GRAVEL. Gravel is angular to subangular, fine to coarse of brick, concrete, ash, wood, plastic. Potential buried floor slab in eastern pit wall, pit extended west		(2.00)		
2.00 2.00 - 2.20	ES ES2					Light greyish brown slightly sandy CLAY. [ESTUARINE ALLUVIUM DEPOSITS]		2.00 (0.20) 2.20	4.02 3.82	

PLAN DETAILS					Remarks
 4.0 1.0 Long Axis Orientation: NA Shoring / Support: None Stability: Unstable Groundwater (description):					Terminated on Engineer's instruction. No groundwater encountered Termination Depth: 2.20m

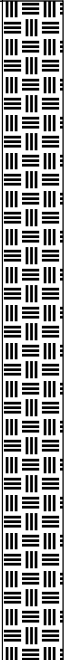
Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

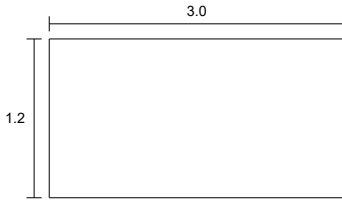
Project No.
10013618
Easting (OS mE)
275863.87

Ground Level (mAOD)
6.37
Northing (OS mN)
189862.75

Start Date
05/12/2017
End Date
05/12/2017

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
0.00 0.00 - 2.20	ES ES1					MADE GROUND: Dark brown sandy GRAVEL with high cobble content. Gravel is angular to subangular, fine to coarse of brick, sandstone, wood, concrete. Cobbles are angular up to ~500mm of brick and concrete.		(2.20)		
2.20 2.20 - 2.50	ES ES2					Light greyish brown slightly gravelly sandy SILT. Gravel is subrounded fine of sandstone. [ESTUARINE ALLUVIUM DEPOSITS]		2.20 (0.30) 2.50	4.17 3.87	

PLAN DETAILS					Remarks
					Terminated on Engineer's instruction. No groundwater encountered.
					Termination Depth: 2.50m

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

Project No.
10013618
Easting (OS mE)
275839.26

Ground Level (mAOD)
6.40
Northing (OS mN)
189891.77

Start Date
04/12/2017
End Date
04/12/2017

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1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
0.10	ES1	0.10	PID	<1ppm		MADE GROUND: Dark brown to dark grey slightly silty slightly gravelly SAND with medium cobble content. Gravel is angular to subrounded fine to coarse of mudstone, brick and concrete. Cobbles are angular of brick.		(0.20)		
						MADE GROUND: Very dark grey to black slightly silty slightly gravelly SAND with low cobble content. Gravel is angular to subrounded fine to coarse of clinker, brick, concrete and occasional slag. Cobbles are angular and subangular of brick.		0.20	6.20	
0.40	ES2	0.40	PID	<1ppm				(0.40)		
								0.60	5.80	

PLAN DETAILS

0.3

Long Axis Orientation:

0.3

Shoring / Support: Nonr

Stability: Stable

Groundwater (description):

Remarks

Terminated on obstruction at 0.60 mbgl. Position moved to LIF01a. No groundwater encountered.

Termination Depth:
0.60m

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

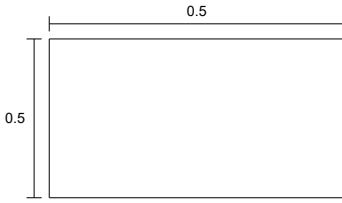
Project No.
10013618
Easting (OS mE)
275838.05

Ground Level (mAOD)
6.42
Northing (OS mN)
189893.77

Start Date
04/12/2017
End Date
04/12/2017

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1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/Backfill
Depth	Type/No.	Depth	Type/No.	Results		Description	Legend			
0.30 0.30	ES ES1	0.30	PID	<1ppm		MADE GROUND: Very dark grey slightly silty gravelly SAND with low cobble content. Gravel is angular to subrounded fine to coarse of brick, concrete, sandstone, siltstone, mudstone and slag. Cobbles are angular of siltstone and brick. Extend pit north due to obstruction Possible asbestos in Face A of pit Extend pit north west due to obstruction		(0.85)		
0.90	ES2	0.90	PID	<1ppm		MADE GROUND: Very dark to black slightly silty gravelly SAND of ash. Gravel is angular and subangular fine to coarse of coal, sandstone, mudstone and occasional slag.		0.85 (0.35)	5.57	
								1.20	5.22	

PLAN DETAILS					Remarks
					Terminated on Engineer's instruction. No groundwater encountered. LIF01a undertaken from base of pit.
					Termination Depth: 1.20m

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

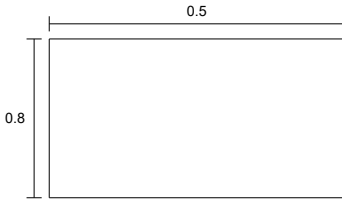
Project No.
10013618
Easting (OS mE)

Ground Level (mAOD)
Northing (OS mN)

Start Date
04/12/2017
End Date
04/12/2017

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1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/Backfill
Depth	Type/No.	Depth	Type/No.	Results		Description	Legend			
						MADE GROUND: Grey slightly silty very sandy angular to subrounded fine to coarse GRAVEL of siltstone, concrete, slag and bituminous bound material.		(0.20)		
						MADE GROUND: Very dark grey slightly silty very gravelly fine SAND of ash with medium cobble content. Gravel is angular to subrounded fine to coarse of concrete, brick, slag mudstone, sandstone and bituminous bound material. Cobbles are subangular of brick.		0.20 (0.25)		
								0.45		

PLAN DETAILS				Remarks
 Long Axis Orientation: Shoring / Support: None Stability: Stable Groundwater (description):				Terminated on obstruction at 0.45 mbgl. Position moved to LIF02a. No groundwater encountered.
				Termination Depth: 0.45m

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

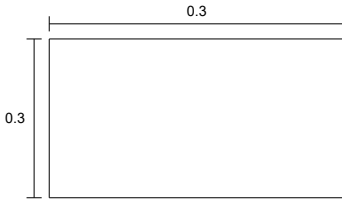
Project No.
10013618
Easting (OS mE)

Ground Level (mAOD)
Northing (OS mN)

Start Date
04/12/2017
End Date
04/12/2017

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
0.30 0.30	ES ES1	0.30	PID	<1ppm		MADE GROUND: Dark grey slightly silty very gravelly fine SAND of ash with medium cobble content. Gravel is angular to subrounded fine to coarse of slag, brick, concrete, clinker and sandstone. Cobbles are angular of brick and concrete. Silty to very silty below 0.70 mbgl		(1.20)		
0.80 0.80	ES ES2	0.80	PID	<1ppm						
								1.20		

PLAN DETAILS					Remarks
 Long Axis Orientation: Shoring / Support: None Stability: Stable Groundwater (description):					Terminated on Engineer's instruction. No groundwater encountered. LIF02a undertaken from base of pit.
					Termination Depth: 1.20m

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

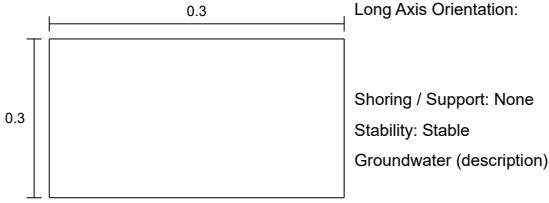
Project No.
10013618
Easting (OS mE)
275844.57

Ground Level (mAOD)
6.37
Northing (OS mN)
189858.94

Start Date
04/12/2017
End Date
04/12/2017

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
0.30	ES1	0.30	PID	<1ppm		MADE GROUND: Very dark grey to black silty very gravelly SAND of ash with medium cobble content. Gravel is angular to subrounded fine to coarse of clinker, brick, concrete and sandstone. Cobbles are angular of brick.		(0.80)		
0.50	ES2	0.50	PID	<1ppm				0.80	5.57	

PLAN DETAILS					Remarks
					Terminated on floor slab at 0.80 mbgl. Position moved to LIF03a. No groundwater encountered. Termination Depth: 0.80m

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

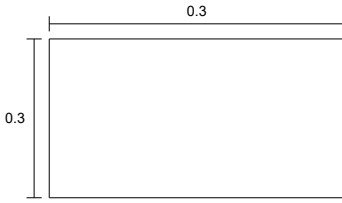
Project No.
10013618
Easting (OS mE)
275852.63

Ground Level (mAOD)
6.43
Northing (OS mN)
189868.58

Start Date
04/12/2017
End Date
04/12/2017

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1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/Backfill
Depth	Type/No.	Depth	Type/No.	Results		Description	Legend			
0.50 0.50	ES ES1	0.50	PID	<1ppm		MADE GROUND: Soft dark grey slightly sandy slightly gravelly SILT with frequent rootlets. MADE GROUND: Grey angular coarse CONCRETE with some sand and gravel. Gravel is angular to subrounded fine to coarse of clinker and concrete.		(0.10) 0.10 (0.35) 0.45 (0.75) 1.20	6.33 5.98 5.23	                                 
						MADE GROUND: Very dark grey slightly silty very gravelly fine SAND of ash with low cobble content. Gravel is angular to subrounded fine to coarse of clinker, concrete and sandstone. Cobbles are angular of concrete. Damp proof				

PLAN DETAILS				Remarks
 Long Axis Orientation: Shoring / Support: None Stability: Stable Groundwater (description):				Terminated on Engineer's instruction. No groundwater encountered. LIF03a undertaken from base of pit Termination Depth: 1.20m

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

Project No.
10013618
Easting (OS mE)
275862.98

Ground Level (mAOD)
6.34
Northing (OS mN)
189871.59

Start Date
05/12/2017
End Date
05/12/2017

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1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
0.30 0.30	ES ES1	0.30	PID	<1ppm		MADE GROUND: Firm very dark to black sandy gravelly CLAY with frequent rootlets. Gravel is angular to rounded fine to coarse of clinker, concrete and sandstone. MADE GROUND: Grey slightly silty very sandy angular to subrounded fine to coarse GRAVEL of concrete, sandstone, siltstone and bituminous bound material with low cobble content. Cobbles are angular of bituminous bound material and concrete. MADE GROUND: Strong grey CONCRETE recovered as sandy angular fine to coarse GRAVEL.	  	(0.10) 0.10 (0.20) 0.30 (0.20) 0.50	6.24 6.04 5.84	  

PLAN DETAILS

0.5

Long Axis Orientation:

Shoring / Support: None

Stability: Stable

Groundwater (description):

0.5

Remarks

Terminated on obstruction at 0.50 mbgl. Position moved to LIF04a.
No groundwater encountered.

Termination Depth:
0.50m

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

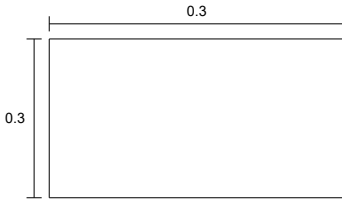
Project No.
10013618
Easting (OS mE)
275867.35

Ground Level (mAOD)
6.15
Northing (OS mN)
189867.67

Start Date
05/12/2017
End Date
05/12/2017

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
						MADE GROUND: Black slightly silty very sandy angular to subrounded fine to coarse GRAVEL of sandstone, concrete, siltstone with medium cobble content. Cobbles are angular to subangular of siltstone and concrete.		(0.40)		
						MADE GROUND: Light grey brown angular to subangular COBBLES of concrete and quartzite with some sand and gravel. Gravel is angular to rounded fine to coarse of concrete and sandstone.		0.40 (0.40)	5.75	
								0.80	5.35	

PLAN DETAILS					Remarks
					Terminated on obstruction at 0.80 mbgl. No groundwater encountered. LIF04a undertaken from base of pit.
					Termination Depth: 0.80m

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

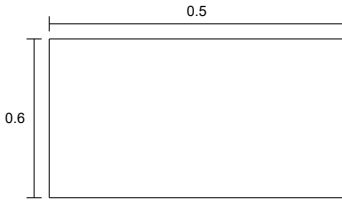
Project No.
10013618
Easting (OS mE)
275892.70

Ground Level (mAOD)
6.29
Northing (OS mN)
189846.96

Start Date
05/12/2017
End Date
05/12/2017

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
0.40 0.40	ES ES1	0.40	PID	<1ppm		MADE GROUND: Very dark grey to black slightly silty very sandy angular to subrounded fine to coarse GRAVEL of concrete, sandstone, quartzite, brick and slag with occasional fragments of ferrous metal and medium cobble content.		(1.20)		
0.90	ES2	0.90	PID	<1ppm				1.20	5.09	

PLAN DETAILS						Remarks
 Long Axis Orientation: Shoring / Support: None Stability: Stable Groundwater (description):						Terminated on Engineer's instruction. No groundwater encountered. LIF05 undertaken from base of pit.
						Termination Depth: 1.20m

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

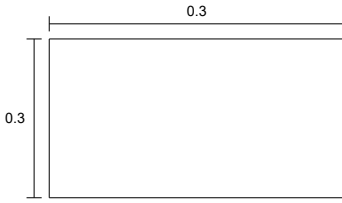
Project No.
10013618
Easting (OS mE)
275921.43

Ground Level (mAOD)
5.86
Northing (OS mN)
189829.21

Start Date
05/12/2017
End Date
05/12/2017

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1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/Backfill
Depth	Type/No.	Depth	Type/No.	Results		Description	Legend			
0.50 0.50	ES ES1	0.50	PID	<1ppm		MADE GROUND: Black slightly gravelly fine SAND of ash. Gravel is angular and subangular medium and coarse of coal, siltstone and sandstone.		(1.20)		
								1.20	4.66	

PLAN DETAILS					Remarks
 Long Axis Orientation: Shoring / Support: None Stability: Stable Groundwater (description):					Terminated on Engineer's instruction. No groundwater encountered. LIF06 undertaken from base of pit.
					Termination Depth: 1.20m

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

Project No.
10013618
Easting (OS mE)
275894.57

Ground Level (mAOD)
6.21
Northing (OS mN)
189828.40

Start Date
05/12/2017
End Date
05/12/2017

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/Backfill
Depth	Type/No.	Depth	Type/No.	Results		Description	Legend			
						MADE GROUND: Grey and dark grey slightly silty very sandy angular to subrounded fine to coarse GRAVEL of clinker, concrete, slag and sandstone with medium cobble content. Cobbles are subangular of concrete and brick.		(0.30)		
								0.30	5.91	

PLAN DETAILS 		Remarks Terminated 0.30 mbgl on unmarked service - 20 mm metal- no trace or power. Position moved to LIF07a. Termination Depth: 0.30m
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Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

Project No.
10013618
Easting (OS mE)
275904.49

Ground Level (mAOD)
6.28
Northing (OS mN)
189822.39

Start Date
05/12/2017
End Date
05/12/2017

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
0.60	ES					MADE GROUND: Very dark grey slightly silty very gravelly angular to subrounded fine to coarse GRAVEL of clinker, concrete, sandstone and slag with medium cobble content. Cobbles are angular to subangular of brick and concrete.		(0.30)		
0.60	ES1					MADE GROUND: Strong grey CONCRETE recovered as very sandy angular to subrounded fine to coarse GRAVEL.		0.30 (0.20)	5.98	
						MADE GROUND: Very dark grey very sandy angular to subrounded fine to coarse GRAVEL tending to very gravelly SAND with medium cobble content. Gravel is angular to subrounded fine to coarse of brick, sandstone, slag and clinker. Cobbles are angular of brick.		0.50 (0.40)	5.78	
1.00	ES2					MADE GROUND: Soft to firm slightly gravelly sandy CLAY. Gravel is angular to subrounded fine to coarse of sandstone.		0.90 (0.30)	5.38	
								1.20	5.08	

PLAN DETAILS

0.3

Long Axis Orientation:

Shoring / Support: None

Stability: Stable

Groundwater (description):

0.3

Remarks

Terminated on Engineer's instruction.
No groundwater encountered.
LIF07a undertaken from base of pit

Termination Depth:
1.20m

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

Project No.
10013618
Easting (OS mE)
275887.43

Ground Level (mAOD)
5.88
Northing (OS mN)
189797.80

Start Date
06/12/2017
End Date
06/12/2017

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
						MADE GROUND: Dark grey silty gravelly SAND with low cobble content. Gravel is angular and subangular of slag, brick and concrete. Cobbles are angular of concrete and brick.		(1.20)		
								1.20	4.68	

PLAN DETAILS						Remarks
						Due to the method of excavation this log is inferred from adjacent parts of the site. LIF08 undertaken from base of pit.
						Termination Depth: 1.20m

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

Project No.
10013618
Easting (OS mE)
275893.95

Ground Level (mAOD)
6.26
Northing (OS mN)
189784.76

Start Date
06/12/2017
End Date
06/12/2017

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
						MADE GROUND: Dark grey silty gravelly SAND with low cobble content. Gravel is angular and subangular of slag, brick and concrete. Cobbles are angular of concrete and brick.		(1.20)		
								1.20	5.06	

PLAN DETAILS		Remarks
 Long Axis Orientation: Groundwater (description):		Due to the method of excavation this log is inferred from adjacent parts of the site. LIF09 undertaken from base of pit. Termination Depth: 1.20m

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

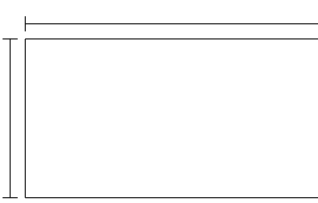
Project No.
10013618
Easting (OS mE)
275922.87

Ground Level (mAOD)
6.16
Northing (OS mN)
189800.72

Start Date
06/12/2017
End Date
06/12/2017

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
						MADE GROUND: Dark grey silty gravelly SAND with low cobble content. Gravel is angular and subangular of slag, brick and concrete. Cobbles are angular of concrete and brick.		(1.20)		
								1.20	4.96	

PLAN DETAILS					Remarks
 Long Axis Orientation: Groundwater (description):					Due to the method of excavation this log is inferred from adjacent parts of the site. LIF10 undertaken from base of pit. Termination Depth: 1.20m

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

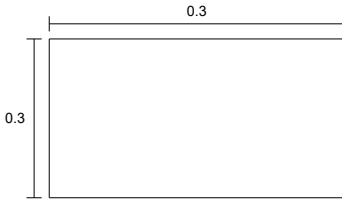
Project No.
10013618
Easting (OS mE)
275947.86

Ground Level (mAOD)
5.91
Northing (OS mN)
189852.52

Start Date
05/12/2017
End Date
05/12/2017

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
0.60	ES	0.60	PID	<1ppm		MADE GROUND: Brown grey slightly silty very sandy angular to rounded fine to coarse GRAVEL of slag, concrete and sandstone with low cobble and boulder content. Cobbles and boulders are angular and subangular of concrete and sandstone.		(0.10)	5.81	
0.60	ES1					MADE GROUND:: Grey angular and subangular COBBLES of concrete with some sand and gravel. Gravel is angular to subrounded fine to coarse of concrete, sandstone and clinker.		(0.40)		
						MADE GROUND: Grey and dark grey slightly silty very sandy angular to subrounded fine to coarse GRAVEL of clinker, concrete, siltstone and slag with medium cobble content. Cobbles are angular of brick and concrete.		(0.50)	5.41	
								(0.70)		
								1.20	4.71	

PLAN DETAILS					Remarks
 Long Axis Orientation: Shoring / Support: None Stability: Stable Groundwater (description):					Terminated on Engineer's instruction. No groundwater encountered. LIF12 undertaken from base of pit.
					Termination Depth: 1.20m

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

Project No.
10013618
Easting (OS mE)
275947.48

Ground Level (mAOD)
6.16
Northing (OS mN)
189841.17

Start Date
06/12/2017
End Date
06/12/2017

Scale
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Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
						MADE GROUND: Dark grey silty gravelly SAND with low cobble content. Gravel is angular and subangular of slag, brick and concrete. Cobbles are angular of concrete and brick.		(1.20)		
								1.20	4.96	

PLAN DETAILS		Remarks
 Long Axis Orientation: Groundwater (description):		Terminated on Engineer's instruction. LIF13 undertaken from base of pit. Termination Depth: 1.20m

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

Project No.
10013618
Easting (OS mE)
275939.35

Ground Level (mAOD)
6.05
Northing (OS mN)
189824.72

Start Date
06/12/2017
End Date
06/12/2017

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
						MADE GROUND: Dark grey silty gravelly SAND with low cobble content. Gravel is angular and subangular of slag, brick and concrete. Cobbles are angular of concrete and brick.		(1.20)		
								1.20	4.85	

PLAN DETAILS					Remarks
 Long Axis Orientation: Groundwater (description):					Due to the method of excavation this log is inferred from adjacent parts of the site. LIF14 undertaken from base of pit. Termination Depth: 1.20m

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

Project No.
10013618
Easting (OS mE)
275968.76

Ground Level (mAOD)
6.29
Northing (OS mN)
189848.47

Start Date
06/12/2017
End Date
06/12/2017

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SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
						MADE GROUND: Dark grey silty gravelly SAND with low cobble content. Gravel is angular and subangular of slag, brick and concrete. Cobbles are angular of concrete and brick.		(1.20)		
								1.20	5.09	

PLAN DETAILS						Remarks
						Due to the method of excavation this log is inferred from adjacent parts of the site. LIF15 undertaken from base of pit.
						Termination Depth: 1.20m

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

Project No.
10013618
Easting (OS mE)
275909.78

Ground Level (mAOD)
6.17
Northing (OS mN)
189856.35

Start Date
06/12/2017
End Date
06/12/2017

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
						MADE GROUND: Dark grey silty gravelly SAND with low cobble content. Gravel is angular and subangular of slag, brick and concrete. Cobbles are angular of concrete and brick.		(1.20)		
								1.20	4.97	

PLAN DETAILS						Remarks
 Long Axis Orientation: Groundwater (description):						Due to the method of excavation this log is inferred from adjacent parts of the site. LIF16 undertaken from base of pit. Termination Depth: 1.20m

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

Project No.
10013618
Easting (OS mE)

Ground Level (mAOD)
Northing (OS mN)

Start Date
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End Date
04/12/2017

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1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
0.00 0.00 - 0.50	ES ES1					MADE GROUND: Dark greyish brown slightly clayey sandy GRAVEL with high cobble content. Gravel is angular to subangular, fine to coarse of brick, plastic waste, glass, wood, concrete. Cobbles are angular to subangular of brick up to 350mm. Surface is vegetated				
		0.50	PID	<1ppm		Earthy odour		(1.50)		
								1.50		

PLAN DETAILS					Remarks
					Trial pit within waste mound 01 as marked on Quantum SI plan. Waste mound is approximately 1.5m high and 3m wide.
					Termination Depth: 1.50m

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

Project No.
10013618
Easting (OS mE)

Ground Level (mAOD)

Northing (OS mN)

Start Date
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End Date
04/12/2017

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PLAN DETAILS		Remarks
3.0 2.0 Long Axis Orientation: Shoring / Support: None Stability: Unstable Groundwater (description):	Samples taken from south west side of M02	Termination Depth: 1.00m

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

Project No.
10013618
Easting (OS mE)
275909.78

Ground Level (mAOD)
6.17
Northing (OS mN)
189856.35

Start Date
04/12/2017
End Date
04/12/2017

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
0.50 - 1.00	ES1					MADE GROUND: Dark greyish brown slightly clayey sandy GRAVEL with high cobble content. Gravel is angular to subangular, fine to coarse of brick, concrete. Cobbles are angular to subangular of brick up to 400mm.		(1.00)		
								1.00	5.17	

PLAN DETAILS

3.0

Long Axis Orientation:

2.0

Shoring / Support: None

Stability: Unstable

Groundwater (description):

Remarks

Samples taken from eastern side of M02

Termination Depth:
1.00m

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

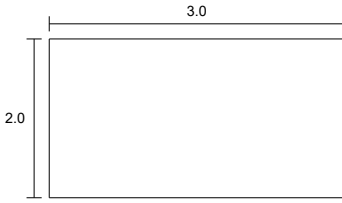
Project No.
10013618
Easting (OS mE)

Ground Level (mAOD)
Northing (OS mN)

Start Date
04/12/2017
End Date
04/12/2017

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
0.00 0.00 - 2.00	ES ES1					MADE GROUND: Dark greyish brown slightly clayey sandy GRAVEL with high cobble content. Gravel is angular to subangular, fine to coarse of brick, concrete. Cobbles are angular to subangular of brick up to 400mm. Contains 1 no. pocket of light brown sand ~150mm wide		(2.00)		
								2.00		

PLAN DETAILS						Remarks
 Long Axis Orientation: Shoring / Support: None Stability: Unstable Groundwater (description):						Samples taken from north eastern side of M02 Termination Depth: 2.00m

Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

Project No.
10013618
Easting (OS mE)

Ground Level (mAOD)

Northing (OS mN)

Start Date
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End Date
05/12/2017

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SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
0.00 0.00 - 0.70	ES ES1					MADE GROUND: Dark brown very sandy GRAVEL with medium cobble content. Gravel is angular to subrounded, fine to coarse of brick, sandstone, wood, concrete. Cobbles are angular up to ~400mm of brick, metal rebar.		(0.70)		
								0.70		

PLAN DETAILS

Remarks

Long Axis Orientation:

Location is within a mound. Pit excavated to determine any presence of asbestos containing materials within mound

Groundwater (description):

Termination Depth:

0.70m

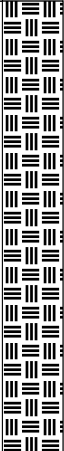
Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

Project No.
10013618
Easting (OS mE)

Ground Level (mAOD)
Northing (OS mN)

Start Date
05/12/2017
End Date
05/12/2017

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
0.00 - 1.50	ES1					MADE GROUND: Dark brown sandy GRAVEL with low cobble content.		(1.50)		
								1.50		

PLAN DETAILS

Long Axis Orientation:



Shoring / Support: None

Stability: Unstable

Groundwater (description):

Remarks

Location is within a mound. Pit excavated to determine any presence of asbestos containing materials within mound

Termination Depth:
1.50m

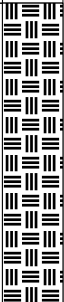
Project
Burrows Yard
Client
Neath Port Talbot County Borough Council

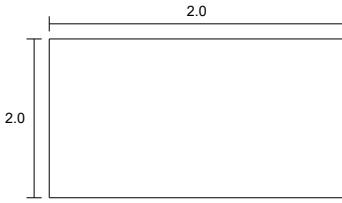
Project No.
10013618
Easting (OS mE)

Ground Level (mAOD)
Northing (OS mN)

Start Date
04/12/2017
End Date
04/12/2017

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS			Water Strikes	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Description	Legend			
0.00 0.00 - 1.00	ES ES1					MADE GROUND: Dark greyish brown slightly clayey sandy GRAVEL with low cobble content. Gravel is angular to subangular of brick, concrete, plastic, wood. Cobbles are angular of brick up to ~300mm. Surface is vegetated, slight organic odour.		(1.00)		
								1.00		

PLAN DETAILS					Remarks
 Long Axis Orientation: Shoring / Support: None Stability: Unstable Groundwater (description):					Location is within a mound. Pit excavated to determine any presence of asbestos containing materials within mound Termination Depth: 1.00m