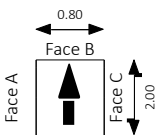
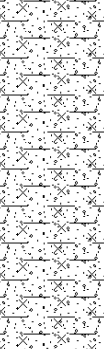
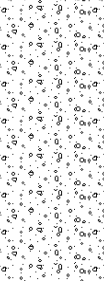


Appendix H Machine Excavated Trial Pit Records

Earth Science Partnership Consulting Engineers Geologists Environmental Scientists				Excavation method/plant: 8T Tracked Excavator		Shoring/support: None		TP01	
Project Name: Afan Valley Resort			Excavation date: 03/05/2022			Plan details: 0.75 Face B Face A Face C 1.85			
Site Location: Cymmer			Backfill date: 03/05/2022						
Client: Wildfox Resorts - Afan Valley			Logged by: ESP-AB						
Project No: 8053									
Survey details: Ground Level: 246.6 mOD Easting: 284943 mOD Northing: 195757 mOD Bearing:			Face Stability: Stable			Groundwater observations: Groundwater not encountered.			
Depth		Sample		Test Details		Strata Details			
m	Type	Class	Type	Result	Description	Depth (thickness)	mOD	Legend	
0.10	ES		PID	0.00	Brown clayey SILT with abundant rootlets. (TOPSOIL).	(0.50)	246.11		
0.60	ES		PID	0.00	Firm to stiff grey very gravelly very silty clayey fine to medium SAND. Gravel is fine to medium subangular to subrounded consisting of mudstone. (GRADE V RHONDDA MEMBER).	0.50			
0.90	D		PID	0.10		(1.00)			
1.70	ES		PID	0.10	Stiff grey gravelly sandy CLAY with low cobble and boulder content. Sand is fine to coarse. Gravel is fine to medium subangular to subrounded consisting of mudstone. Mudstone cobbles are subangular measuring up to 150mm. Mudstone boulders are angular to subangular measuring up to 280mm. (GRADE V RHONDDA MEMBER).	1.50	245.11		
2.00	D		PID	0.00		(0.75)			
					End of Trialpit at 2.250m	2.25	244.36		
						3.0			
Weather and environmental conditions:									
1. Warm, Dry									
Other comments:									
1. Coordinates and ground levels obtained using Geode GNS2 - Horizontal accuracy <50cm. Vertical accuracy <100cm.									
2. Trial pit excavated to a depth of 2.25m to establish ground conditions and undertake sampling.									
3. Service plans inspected and trial pit position scanned with CAT & Genny prior to breaking ground.									
4. Trial pit concluded on bedrock at base of pit.									
5. Trial pit backfilled with arisings upon completion.									

Earth Science Partnership Consulting Engineers Geologists Environmental Scientists				Excavation method/plant: 8T Tracked Excavator		Shoring/support: None		TP02	
Project Name: Afan Valley Resort Site Location: Cymmer Client: Wildfox Resorts - Afan Valley Project No: 8053				Excavation date: 03/05/2022 Backfill date: 03/05/2022 Logged by: ESP-AB					
Survey details: Ground Level: 252.1 mOD Easting: 284985 mOD Northing: 195839 mOD Bearing:				Plan details: 		Face Stability: Stable		Groundwater observations: Groundwater not encountered.	
Depth		Sample		Test Details		Strata Details			
m	Type	Class	Type	Result	Description	Depth (thickness)	mOD	Legend	
0.40	ES		PID	0.50	Loose dark grey very gravelly silty fine to coarse SAND with medium cobble content. Gravel is fine to coarse angular to subangular with high sphericity consisting of sandstone and mudstone. Sandstone cobbles are subangular measuring up to 140mm. (REWORKED WEATHERED BEDROCK)	(1.00)			
1.20	ES		PID	0.10	Medium dense to dense orange brown very gravelly very silty clayey fine to medium SAND with low cobble and low boulder content. Gravel is subangular to subrounded sandstone and mudstone. Sandstone cobbles are subangular measuring up to 180mm. Sandstone boulders are angular measuring up to 280mm. (GRADE IV BRITHDIR MEMBER).	1.00.0 (0.80)	251.14		
1.50	D				End of Trialpit at 1.800m	1.80	250.34		
						2.0			
						3.0			
Weather and environmental conditions: 1. Warm, Dry									
Other comments: 1. Coordinates and ground levels obtained using Geode GNS2 - Horizontal accuracy <50cm. Vertical accuracy <100cm. 2. Trial pit excavated to a depth of 1.8m to establish ground conditions and undertake sampling. 3. Service plans inspected and trial pit position scanned with CAT & Genny prior to breaking ground. 4. Trial pit concluded on bedrock at base of pit. 5. Trial pit backfilled with arisings upon completion.									

Earth Science Partnership

Consulting Engineers | Geologists | Environmental Scientists

Excavation method/plant:

8T Tracked Excavator

Shoring/support:

None

TP04

Project Name:

Afan Valley Resort

Site Location:

Cymmer
Wildfox Resorts - Afan Valley
8053

Client:

Valley

Project No:

8053

Excavation date:

03/05/2022

Backfill date:

03/05/2022

Logged by:

ESP-AB

Plan details:

0.70

Face B

Face A

Face C

2.30

Face Stability:

Stable

Groundwater observations:

Groundwater not encountered.

Survey details:

Ground Level:

302.5 mOD

Easting:

285097 mOD

Northing:

195424 mOD

Bearing:

Depth		Sample		Test Details		Strata Details			
m	Type	Class	Type	Result	Description	Depth (thickness)	mOD	Legend	
0.10	ES		PID	0.30	Grass over; soft, dark grey becoming brown clayey SILT with abundant rootlets. Slightly compressible with no water released on compression. Weak to no odour. (ORGANIC RICH TOPSOIL)	(0.20)	302.29		
0.50	ES		PID	0.20	Medium dense to dense brownish grey sandy silty clayey fine to coarse sandstone and mudstone GRAVEL with low cobble and boulder content. Sand is fine to coarse. Sandstone cobbles are angular to subrounded measuring up to 170mm. Sandstone boulder are subangular measuring up to 230mm. (GRADE IV RHONDDA MEMBER).	(1.20)			
1.00	D		PID	0.00		1.0			
1.80	D		PID	0.10	Dense dark grey very sandy very silty clayey fine to coarse angular to subangular mudstone and sandstone GRAVEL with medium cobble content. Sand is fine to coarse. Mudstone cobbles are angular with low sphericity measuring up to 175mm. (GRADE IV RHONDDA MEMBER).	1.40	301.09		
					End of Trialpit at 2.300m	(0.90)			
						2.0			
						2.30	300.19		
						3.0			

Weather and environmental conditions:

1. Warm, Dry

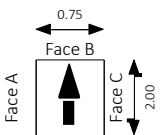
Other comments:

1. Coordinates and ground levels obtained using Geode GNS2 - Horizontal accuracy <50cm. Vertical accuracy <100cm.
2. Trial pit excavated to a depth of 2.3m to establish ground conditions and undertake sampling.
3. Service plans inspected and trial pit position scanned with CAT & Genny prior to breaking ground.
4. Trial pit concluded on bedrock at base of pit.
5. Trial pit backfilled with arisings upon completion.

Earth Science Partnership Consulting Engineers Geologists Environmental Scientists				Excavation method/plant: 8T Tracked Excavator		Shoring/support: None		TP05			
Project Name: Afan Valley Resort				Excavation date: 03/05/2022		Groundwater observations: Groundwater not encountered.					
Site Location: Cymmer				Backfill date: 03/05/2022							
Client: Wildfox Resorts - Afan Valley				Logged by: ESP-AB							
Project No: 8053											
Survey details: Ground Level: 305.5 mOD Easting: 285208 mOD Northing: 195404 mOD Bearing:				Plan details: 0.60 Face B Face A Face C 2.20		Face Stability: Stable					
Depth m		Sample Type Class		Test Details Type Result		Strata Details Description Depth (thickness) mOD Legend					
0.50		D		PID		0.00		Grass over; soft, dark grey becoming brown clayey SILT with abundant rootlets. Slightly compressible with no water released on compression. Weak to no odour. (ORGANIC RICH TOPSOIL) 0.20 305.28			
1.20		ES		PID		0.10		Firm to stiff brown gravelly sandy clayey SILT with low cobble content. Sand is fine to coarse. Gravel is fine to coarse angular to subangular consisting of sandstone and mudstone. Sandstone cobbles are subrounded measuring up to 170mm. (GRADE IV RHONDDA MEMBER). (0.90) 1.0 304.38			
1.40		D		PID		0.00		Stiff to very stiff grey gravelly CLAY. Gravel is fine to medium angular to subrounded consisting of mudstone. (GRADE IV RHONDDA MEMBER). (0.40) 303.98			
								End of Trialpit at 1.500m 1.50 2.0 3.0			
Weather and environmental conditions: 1. Warm, Dry											
Other comments: 1. Coordinates and ground levels obtained using Geode GNS2 - Horizontal accuracy <50cm. Vertical accuracy <100cm. 2. Trial pit excavated to a depth of 1.5m to establish ground conditions and undertake sampling. 3. Service plans inspected and trial pit position scanned with CAT & Genny prior to breaking ground. 4. Trial pit concluded on bedrock at base of pit. 5. Trial pit backfilled with arisings upon completion.											

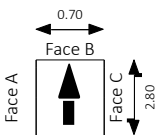
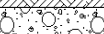
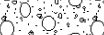
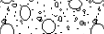
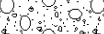
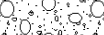
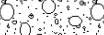
Earth Science Partnership Consulting Engineers Geologists Environmental Scientists				Excavation method/plant: 8T Tracked Excavator		Shoring/support: None		TP06	
Project Name: Afan Valley Resort				Excavation date: 03/05/2022					
Site Location: Cymmer				Backfill date: 03/05/2022					
Client: Wildfox Resorts - Afan Valley				Logged by: ESP-AB					
Project No: 8053									
Survey details: Ground Level: 305.8 mOD				Plan details: 0.60 Face B Face A Face C 2.10		Face Stability: Stable		Groundwater observations: Groundwater not encountered.	
Easting: 285301 mOD									
Northing: 195423 mOD									
Bearing:									
Depth		Sample		Test Details		Strata Details			
m	Type	Class	Type	Result	Description	Depth (thickness)	mOD	Legend	
0.20	ES		PID	0.30	Grass over soft, dark grey clayey SILT with abundant rootlets. Slightly compressible with no water released on compression. Weak to no odour. (ORGANIC RICH TOPSOIL)	(0.40)			
0.50	ES		PID	0.10	Dense, dark brown gravelly sandy subangular sandstone COBBLES with many boulders. Sand is fine to coarse. Gravel is fine to coarse angular to subangular consisting of sandstone. Sandstone boulders are angular measuring up to 280mm. (GRADE II RHONDDA MEMBER).	0.40	305.40		
0.70	D		PID	0.10		(0.45)			
					End of Trialpit at 0.850m	0.85	304.95		
						1.0			
						2.0			
						3.0			
Weather and environmental conditions:									
1. Warm, Dry									
Other comments:									
1. Coordinates and ground levels obtained using Geode GNS2 - Horizontal accuracy <50cm. Vertical accuracy <100cm.									
2. Trial pit excavated to a depth of 0.85m to establish ground conditions and undertake sampling.									
3. Service plans inspected and trial pit position scanned with CAT & Genny prior to breaking ground.									
4. Trial pit concluded on bedrock at base of pit.									
5. Trial pit backfilled with arisings upon completion.									

Earth Science Partnership Consulting Engineers Geologists Environmental Scientists				Excavation method/plant: 8T Tracked Excavator		Shoring/support: None		TP07	
Project Name: Afan Valley Resort			Excavation date: 04/05/2022			Groundwater observations: Groundwater not encountered.			
Site Location: Cymmer			Backfill date: 04/05/2022						
Client: Wildfox Resorts - Afan Valley			Logged by: ESP-AB						
Project No: 8053			Plan details: 0.70 Face B Face A Face C 2.10						
Survey details: Ground Level: 270.3 mOD Easting: 285322 mOD Northing: 195868 mOD Bearing:			Face Stability: Stable						
Depth		Sample		Test Details		Strata Details			
m	Type	Class	Type	Result	Description	Depth (thickness)	mOD	Legend	
0.30	ES		PID	0.40	Loose dark grey very gravelly silty fine to coarse SAND with medium cobble content. Gravel is fine to coarse angular to subangular with high sphericity consisting of sandstone and mudstone. Sandstone cobbles are subangular measuring up to 190mm. (REWORKED WEATHERED BEDROCK)	(0.10) 0.10	270.24		
0.50	D				Dense brown very sandy very silty clayey fine to medium angular to subrounded sandstone and mudstone GRAVEL. Sand is fine to coarse. (REWORKED WEATHERED BEDROCK).	(0.70)			
0.70	B		PID	0.20		0.80	269.54		
1.00	ES		PID	0.30	Dense dark grey sandy slightly clayey silty fine to medium angular to subangular mudstone and sandstone GRAVEL with high cobble content. Sand is fine to coarse. Mudstone cobbles are angular with low sphericity measuring up to 185mm. (GRADE IV RHONDDA MEMBER).	1.0			
1.20	D		PID	0.10		(1.20)			
					End of Trialpit at 2.000m	2.00	268.34		
						3.0			
Weather and environmental conditions:									
1. Warm, Dry									
Other comments:									
1. Coordinates and ground levels obtained using Geode GNS2 - Horizontal accuracy <50cm. Vertical accuracy <100cm. 2. Trial pit excavated to a depth of 2.0m to establish ground conditions and undertake sampling. 3. Service plans inspected and trial pit position scanned with CAT & Genny prior to breaking ground. 4. Trial pit concluded on bedrock at base of pit. 5. Trial pit backfilled with arisings upon completion.									

Earth Science Partnership Consulting Engineers Geologists Environmental Scientists				Excavation method/plant: 8T Tracked Excavator		Shoring/support: None		TP08	
Project Name: Afan Valley Resort				Excavation date: 28/04/2022		Groundwater observations: Groundwater not encountered.			
Site Location: Cymmer				Backfill date: 28/04/2022					
Client: Wildfox Resorts - Afan Valley				Logged by: ESP-AB					
Project No: 8053									
Survey details: Ground Level: 287.2 mOD Easting: 285439 mOD Northing: 195686 mOD Bearing:				Plan details: 		Face Stability: Stable			
Depth		Sample		Test Details		Strata Details			
m	Type	Class	Type	Result	Description	Depth (thickness)	mOD	Legend	
0.60	ES		PID	0.20	Loose dark grey very gravelly silty fine to coarse SAND with medium cobble content. Gravel is fine to coarse angular to subangular with high sphericity consisting of sandstone and mudstone. Sandstone cobbles are subangular measuring up to 180mm. (REWORKED WEATHERED BEDROCK).	(0.10)	287.11		
					Dense orange brown silty sandy gravelly COBBLES with many boulders. Sand is fine to coarse. Gravel is fine to coarse angular consisting of sandstone. Sandstone cobbles are angular with low sphericity measuring up to 175mm. Sandstone boulders are angular with moderate to low sphericity measuring up to 240mm. (GRADE III RHONDDA MEMBER).	(0.40)			
0.90	D		PID	0.10	Very dense greyish brown gravelly sandy silty COBBLES with many boulders. Sand is fine to coarse. Gravel is fine to coarse angular consisting of sandstone. Sandstone cobbles are angular with low sphericity measuring up to 195mm. Sandstone boulders are angular with moderate to low sphericity measuring up to 410mm. (GRADE III RHONDDA MEMBER).	(0.70)	286.01		
					1.0				
					1.20				
End of Trialpit at 1.200m									
						2.0			
						3.0			
Weather and environmental conditions:									
1. Warm, Dry									
Other comments:									
1. Coordinates and ground levels obtained using Geode GNS2 - Horizontal accuracy <50cm. Vertical accuracy <100cm.									
2. Trial pit excavated to a depth of 1.2m to establish ground conditions and undertake sampling.									
3. Service plans inspected and trial pit position scanned with CAT & Genny prior to breaking ground.									
4. Trial pit concluded on bedrock at base of pit.									
5. Trial pit backfilled with arisings upon completion.									

Earth Science Partnership Consulting Engineers Geologists Environmental Scientists				Excavation method/plant: 8T Tracked Excavator		Shoring/support: None		TP09			
Project Name: Afan Valley Resort				Excavation date: 28/04/2022		Groundwater observations: Groundwater not encountered.					
Site Location: Cymmer				Backfill date: 28/04/2022							
Client: Wildfox Resorts - Afan Valley				Logged by: ESP-AB							
Project No: 8053											
Survey details: Ground Level: 293.9 mOD				Plan details: 0.80 Face B Face A Face C 2.20		Face Stability: Stable					
Easting: 285365 mOD											
Northing: 195660 mOD											
Bearing:											
Depth m		Sample Type Class		Test Details Type Result		Strata Details					
						Description		Depth (thickness)	mOD	Legend	
0.40		ES		PID		0.10		(0.20)		293.68	
0.60		D		PID		0.50		(0.90)			
1.10		B						1.10			
						End of Trialpit at 1.100m		1.10		292.77	
								2.0			
								3.0			
Weather and environmental conditions: 1. Warm, Dry											
Other comments: 1. Coordinates and ground levels obtained using Geode GNS2 - Horizontal accuracy <50cm. Vertical accuracy <100cm. 2. Trial pit excavated to a depth of 1.1m to establish ground conditions and undertake sampling. 3. Service plans inspected and trial pit position scanned with CAT & Genny prior to breaking ground. 4. Trial pit concluded on bedrock at base of pit. 5. Trial pit backfilled with arisings upon completion.											

Earth Science Partnership Consulting Engineers Geologists Environmental Scientists				Excavation method/plant: 8T Tracked Excavator		Shoring/support: None		TP10		
Project Name: Afan Valley Resort				Excavation date: 28/04/2022		Groundwater observations: Groundwater not encountered.				
Site Location: Cymmer				Backfill date: 28/04/2022						
Client: Wildfox Resorts - Afan Valley				Logged by: ESP-AB						
Project No: 8053										
Survey details: Ground Level: 286.1 mOD Easting: 285429 mOD Northing: 195632 mOD Bearing:				Plan details: 0.70 Face B Face A Face C 2.10		Face Stability: Stable				
Depth		Sample		Test Details		Strata Details				
m		Type	Class	Type	Result	Description		Depth (thickness)	mOD	Legend
0.50		D		PID	0.40	Loose dark grey very gravelly silty fine to coarse SAND with medium cobble and boulder content. Gravel is fine to coarse angular to subangular with high sphericity consisting of sandstone and mudstone. Sandstone cobbles are subangular measuring up to 190mm. Sandstone boulders are subangular to angular measuring up to 910mm. (REWORKED WEATHERED BEDROCK).		(0.30) 0.30	285.84	
						Firm to stiff orange brown gravelly sandy clayey SILT. Sand is fine to coarse. Gravel is fine to coarse angular to subangular consisting of sandstone and mudstone. (GRADE IV RHONDDA MEMBER).		(0.60)		
						Light grey mottled white very weak MUDSTONE. (GRADE III RHONDDA MEMBER).		0.90	285.24	
1.50		D		PID	0.10			(1.15)		
						End of Trialpit at 2.050m		2.0 2.05	284.09	
								3.0		
Weather and environmental conditions:										
1. Warm, Dry										
Other comments:										
1. Coordinates and ground levels obtained using Geode GNS2 - Horizontal accuracy <50cm. Vertical accuracy <100cm. 2. Trial pit excavated to a depth of 2.05m to establish ground conditions and undertake sampling. 3. Service plans inspected and trial pit position scanned with CAT & Genny prior to breaking ground. 4. Trial pit concluded on bedrock at base of pit. 5. Trial pit backfilled with arisings upon completion.										

Earth Science Partnership Consulting Engineers Geologists Environmental Scientists				Excavation method/plant: 8T Tracked Excavator		Shoring/support: None		TP11	
Project Name: Afan Valley Resort			Excavation date: 28/04/2022			Groundwater observations: Groundwater not encountered.			
Site Location: Cymmer			Backfill date: 28/04/2022						
Client: Wildfox Resorts - Afan Valley			Logged by: ESP-AB						
Project No: 8053			Plan details: 						
Survey details: Ground Level: 289.1 mOD Easting: 285419 mOD Northing: 195545 mOD Bearing:			Face Stability: Stable						
Depth		Sample		Test Details		Strata Details			
m	Type	Class	Type	Result	Description	Depth (thickness)	mOD	Legend	
0.05	ES		PID	0.60	Grass over; soft, dark grey clayey SILT wit abundant rootlets. Moderately compressible with no water released on compression. Weak to no odour. (ORGANIC RICH TOPSOIL)	(0.10)	289.01		
0.50	ES		PID	0.20	Loose becoming dense yellowish brown very gravelly very silty clayey fine to coarse SAND with medium cobble content and low boulder content. Gravel is fine to coarse subangular to subrounded consisting of sandstone and mudstone. Sandstone cobbles are subangular measuring up to 180mm. Sandstone boulders are subangular measuring up to 890mm. (GRADE V RHONDDA MEMBER).	0.10			
0.60	D		PID	0.10					
1.40	D		PID	0.10		1.0			
						(2.30)			
						2.0			
						2.40	286.71		
					End of Trialpit at 2.400m				
						3.0			
Weather and environmental conditions:									
1. Warm, Dry									
Other comments:									
1. Coordinates and ground levels obtained using Geode GNS2 - Horizontal accuracy <50cm. Vertical accuracy <100cm. 2. Trial pit excavated to a depth of 2.4m to establish ground conditions and undertake sampling. 3. Service plans inspected and trial pit position scanned with CAT & Genny prior to breaking ground. 4. Trial pit concluded on bedrock at base of pit. 5. Trial pit backfilled with arisings upon completion.									

Earth Science Partnership

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Project Name:

Afan Valley Resort

Site Location:

Cymmer
Wildfox Resorts - Afan Valley

Client:

Valley

Project No:

8053

Excavation date:

28/04/2022

Backfill date:

28/04/2022

Logged by:

ESP-AB

Plan details:

0.65

Face B

Face A

Face C

1.75

Excavation method/plant:

8T Tracked Excavator

Shoring/support:

None

Face Stability:

Stable

Groundwater observations:

Groundwater not encountered.

Survey details:

Ground Level:

285.1 mOD

Easting:

285600 mOD

Northing:

195541 mOD

Bearing:

TP12

Depth		Sample		Test Details		Strata Details			
m	Type	Class	Type	Result	Description	Depth (thickness)	mOD	Legend	
0.10	ES		PID	0.20	Grass over; soft, dark grey clayey SILT with abundant rootlets. Slightly compressible with no water released on compression. Weak to no odour. (ORGANIC RICH TOPSOIL)	(0.20)	284.87		
0.30	D		PID	0.30	Soft, brown mottled orange gravelly sandy clayey SILT with low cobble content. Sand is fine to coarse. Gravel is fine to coarse angular to subangular consisting of sandstone. Sandstone cobbles are subangular measuring up to 150mm. (GRADE V RHONDDA MEMBER).	(0.25)	284.62		
					Dense orange brown silty sandy gravelly COBBLES with many boulders. Sand is fine to coarse. Gravel is fine to coarse angular consisting of sandstone. Sandstone cobbles are angular with low sphericity measuring up to 190mm. Sandstone boulders are angular with moderate to low sphericity measuring up to 290mm. (GRADE IV RHONDDA MEMBER).	(0.40)	284.22		
					End of Trialpit at 0.850m	0.85			
						1.0			
						2.0			
						3.0			

Weather and environmental conditions:

1. Warm, Dry

Other comments:

1. Coordinates and ground levels obtained using Geode GNS2 - Horizontal accuracy <50cm. Vertical accuracy <100cm.
2. Trial pit excavated to a depth of 0.85m to establish ground conditions and undertake sampling.
3. Service plans inspected and trial pit position scanned with CAT & Genny prior to breaking ground.
4. Trial pit concluded on bedrock at base of pit.
5. Trial pit backfilled with arisings upon completion.

Earth Science Partnership

Consulting Engineers | Geologists | Environmental Scientists

Project Name:

Afan Valley Resort

Site Location:

Cymmer
Wildfox Resorts - Afan

Client:

Valley

Project No:

8053

Excavation date:

28/04/2022

Backfill date:

28/04/2022

Logged by:

ESP-AB

Plan details:

Face A

0.80

Face B

↑

Face C

2.00

Extraction method/plant:

8T Tracked Excavator

Shoring/support:

None

TP13

Groundwater observations:

Groundwater not encountered.

Face Stability:

Stable

Survey details:

Ground Level:

289.7 mOD

Easting:

285743 mOD

Northing:

195544 mOD

Bearing:

Depth		Sample		Test Details		Strata Details					
m	Type	Class	Type	Result	Description	Depth (thickness)	mOD	Legend			
0.05	D		PID	0.30	Grass over; soft, dark grey clayey SILT with abundant rootlets. Moderately compressible with no water released on compression. (Weak to no odour. (ORGANIC RICH TOPSOIL))	(0.10) 0.10	289.57				
0.30	ES		PID	0.10	Firm brown mottled orange gravelly sandy clayey SILT with low cobble content. Sand is fine to coarse. Gravel is fine to coarse angular to subangular consisting of sandstone. Sandstone cobbles are subangular measuring up to 135mm. (GRADE V RHONDDA MEMBER). Dense orange brown silty sandy gravelly COBBLES with many boulders. Sand is fine to coarse. Gravel is fine to coarse angular consisting of sandstone. Sandstone cobbles are angular with low sphericity measuring up to 195mm. Sandstone boulders are angular with moderate to low sphericity measuring up to 450mm. (GRADE IV RHONDDA MEMBER).	(0.35) 0.45 (0.65)	289.22				
					End of Trialpit at 1.100m	1.10	288.57				
						2.0					
						3.0					

Weather and environmental conditions:

1. Warm, Dry

Other comments:

1. Coordinates and ground levels obtained using Geode GNS2 - Horizontal accuracy <50cm. Vertical accuracy <100cm.
2. Trial pit excavated to a depth of 1.1m to establish ground conditions and undertake sampling.
3. Service plans inspected and trial pit position scanned with CAT & Genny prior to breaking ground.
4. Trial pit concluded on bedrock at base of pit.
5. Trial pit backfilled with arisings upon completion.

Earth Science Partnership Consulting Engineers Geologists Environmental Scientists				Excavation method/plant: 8T Tracked Excavator		Shoring/support: None		TP14		
Project Name: Afan Valley Resort			Excavation date: 03/05/2022			Plan details: 0.70 Face B Face A Face C 2.20				
Site Location: Cymmer			Backfill date: 03/05/2022							
Client: Wildfox Resorts - Afan Valley			Logged by: ESP-AB							
Project No: 8053										
Survey details: Ground Level: 327.3 mOD Easting: 285510 mOD Northing: 195317 mOD Bearing:			Face Stability: Stable			Groundwater observations: Groundwater not encountered.				
Depth		Sample		Test Details		Strata Details				
m	Type	Class	Type	Result	Description	Depth (thickness)	mOD	Legend		
0.30	ES		PID	0.30	Grass over; soft, dark grey becoming brown clayey SILT with abundant rootlets. Slightly compressible with no water released on compression. Weak to no odour. (ORGANIC RICH TOPSOIL)	(0.10) 0.10	327.20			
0.50	D				Soft to firm becoming stiff orange brown very gravelly silty clayey fine to medium SAND. Gravel is fine to coarse angular to subangular consisting of sandstone and mudstone. (GRADE V RHONDDA MEMBER).	(0.50)				
0.80	D		PID	0.10	Dense light grey sandy gravelly COBBLES with many boulders. Sand is fine to coarse. Gravel is fine to coarse angular to subangular sandstone. Cobbles are angular sandstone measuring up to 185mm. Sandstone boulders are angular to subangular measuring up to 260mm. (GRADE IV RHONDDA MEMBER).	0.60 (0.40)	326.70			
					End of Trialpit at 1.000m	1.00	326.30			
Weather and environmental conditions:										
1. Warm, Dry										
Other comments:										
1. Coordinates and ground levels obtained using Geode GNS2 - Horizontal accuracy <50cm. Vertical accuracy <100cm. 2. Trial pit excavated to a depth of 1.0m to establish ground conditions and undertake sampling. 3. Service plans inspected and trial pit position scanned with CAT & Genny prior to breaking ground. 4. Trial pit concluded on bedrock at base of pit. 5. Trial pit backfilled with arisings upon completion.										

Earth Science Partnership Consulting Engineers Geologists Environmental Scientists				Excavation method/plant: 8T Tracked Excavator		Shoring/support: None		TP15		
Project Name: Afan Valley Resort Site Location: Cymmer Client: Wildfox Resorts - Afan Valley Project No: 8053				Excavation date: 03/05/2022 Backfill date: 03/05/2022 Logged by: ESP-AB						
Survey details: Ground Level: 330.6 mOD Easting: 285606 mOD Northing: 195319 mOD Bearing:				Plan details:		Face Stability: Stable		Groundwater observations: Groundwater not encountered.		
Depth		Sample		Test Details		Strata Details				
m		Type	Class	Type	Result	Description		Depth (thickness)	mOD	Legend
0.40		D		PID	0.00	Loose dark grey very gravelly silty fine to coarse SAND with medium cobble content. Gravel is fine to coarse angular to subangular with high sphericity consisting of sandstone and mudstone. Sandstone cobbles are subangular measuring up to 170mm. (REWORKED WEATHERED BEDROCK)		(0.20)	330.40	
0.50		B				Dense orange brown sandy silty clayey fine to coarse subangular to subrounded sandstone and mudstone GRAVEL. Sand is fine to coarse. (GRADE V RHONDDA MEMBER).		(0.50)		
0.90		D		PID	0.10	Dense light grey sandy gravelly COBBLES with many boulders. Sand is fine to coarse. Gravel is fine to coarse angular to subangular sandstone. Cobbles are angular sandstone measuring up to 185mm. Sandstone boulders are angular to subangular measuring up to 260mm. (GRADE IV RHONDDA MEMBER).		0.70	329.90	
						End of Trialpit at 1.200m		1.0		
								1.20	329.40	
								2.0		
								3.0		
Weather and environmental conditions:										
1. Warm, Dry										
Other comments:										
1. Coordinates and ground levels obtained using Geode GNS2 - Horizontal accuracy <50cm. Vertical accuracy <100cm.										
2. Trial pit excavated to a depth of 1.2m to establish ground conditions and undertake sampling.										
3. Service plans inspected and trial pit position scanned with CAT & Genny prior to breaking ground.										
4. Trial pit concluded on bedrock at base of pit.										
5. Trial pit backfilled with arisings upon completion.										

Earth Science Partnership

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Excavation method/plant:

8T Tracked Excavator

Shoring/support:

None

TP16

Project Name:

Afan Valley Resort

Site Location:

Cymmer
Wildfox Resorts - Afan

Client:

Valley
8053

Project No:

Excavation date:

03/05/2022

Backfill date:

03/05/2022

Logged by:

ESP-AB

Plan details:

0.80

Face B

Face A

Face C

2.20

Face Stability:

Stable

Groundwater observations:

Groundwater not encountered.

Survey details:

Ground Level:

332.3 mOD

Easting:

285672 mOD

Northing:

195341 mOD

Bearing:

Depth		Sample		Test Details		Strata Details		
m	Type	Class	Type	Result	Description	Depth (thickness)	mOD	Legend
0.05	ES		PID	0.20	Grass over; soft, dark grey becoming brown clayey SILT with abundant rootlets. Slightly compressible with no water released on compression. Weak to no odour. (ORGANIC RICH TOPSOIL)	(0.10)	332.23	
0.30	D		PID	0.10	Medium dense orange brown slightly gravelly silty fine to coarse SAND. Gravel is fine to coarse subangular to subrounded consisting of sandstone and mudstone. (GRADE IV RHONDDA MEMBER).	(0.40)		
0.40	ES					0.50	331.83	
0.70	D		PID	0.10	Dense to very dense light grey sandy gravelly COBBLES with many boulders. Sand is fine to coarse. Gravel is fine to coarse angular to subangular sandstone. Cobbles are angular sandstone measuring up to 185mm. Sandstone boulders are angular to subangular measuring up to 260mm. (GRADE II WEATHERED RHONDDA SANDSTONE MEMBER).	(0.80)		
						1.0		
						1.30	331.03	
					End of Trialpit at 1.300m			
						2.0		
						3.0		

Weather and environmental conditions:

1. Warm, Dry

Other comments:

1. Coordinates and ground levels obtained using Geode GNS2 - Horizontal accuracy <50cm. Vertical accuracy <100cm.
2. Trial pit excavated to a depth of 1.3m to establish ground conditions and undertake sampling.
3. Service plans inspected and trial pit position scanned with CAT & Genny prior to breaking ground.
4. Trial pit concluded on bedrock at base of pit.
5. Trial pit backfilled with arisings upon completion.

Earth Science Partnership Consulting Engineers Geologists Environmental Scientists				Excavation method/plant: Hand Tools		Shoring/support: None		TP17				
Project Name: Afan Valley Resort Site Location: Cymmer Client: Wildfox Resorts - Afan Project No: Valley 8053			Excavation date: 27/04/2022 Backfill date: 27/04/2022 Logged by: ESP-AB		Plan details: 0.50 Face B Face A Face C 0.50				Face Stability: Stable		Groundwater observations: Groundwater not encountered.	
Survey details: Ground Level: Easting: Northing: Bearing:												
Depth m		Sample Type Class		Test Details Type Result		Strata Details Description				Depth (thickness)	mOD	Legend
										1.0		
										2.0		
										3.0		
Weather and environmental conditions: 1. Warm, Dry												
Other comments: 1. Coordinates and ground levels obtained using Geode GNS2 - Horizontal accuracy <50cm. Vertical accuracy <100cm. 2. Trial pit excavated to a depth of 0.35m to establish ground conditions on site and undertake geo-environmental sampling. 3. Service plans inspected and trial pit position scanned with CAT & Genny prior to breaking ground. 4. Trial pit was undertaken as a hand dug pit due to access and service restrictions and was concluded on weathered bedrock was encountered at base of pit. 5. Trial pit backfilled with arisings upon completion.												

Earth Science Partnership

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Excavation method/plant:

8T Tracked Excavator

Shoring/support:

None

TP18

Project Name:

Afan Valley Resort

Site Location:

Cymmer
Wildfox Resorts - Afan

Client:

Valley

Project No:

8053

Excavation date:

29/04/2022

Backfill date:

29/04/2022

Logged by:

ESP-AB

Plan details:

0.75

Face B

Face A

Face C

2.70

Face Stability:

Stable

Groundwater observations:

Groundwater not encountered.

Survey details:

Ground Level:

296.0 mOD

Easting:

285966 mOD

Northing:

195453 mOD

Bearing:

Depth		Sample		Test Details		Strata Details			
m	Type	Class	Type	Result	Description	Depth (thickness)	mOD	Legend	
0.30	D		PID	0.00	Loose dark grey very gravelly silty fine to coarse SAND with medium cobble content. Gravel is fine to coarse angular to subangular with high sphericity consisting of sandstone and mudstone. Sandstone cobbles are subangular measuring up to 160mm. (REWORKED WEATHERED BEDROCK).	(0.20)	295.79		
0.40	ES		PID	0.10	Firm dark brown gravelly sandy clayey SILT. Sand is fine to coarse. Gravel is fine to coarse angular to subangular consisting of sandstone. (GRADE IV RHONDDA MEMBER).	(0.40)			
					Firm to stiff brown mottled orange gravelly sandy clayey SILT with low cobble content. Sand is fine to coarse. Gravel is fine to coarse angular to subangular consisting of sandstone. Sandstone cobbles are subangular measuring up to 170mm. (GRADE V RHONDDA MEMBER).	0.60	295.39		
1.00	D		PID	0.20	Medium dense becoming very dense dark grey very sandy very silty clayey fine to coarse angular to subangular mudstone and sandstone GRAVEL with low cobble content. Sand is fine to coarse. Mudstone cobbles are angular with low sphericity measuring up to 155mm. (GRADE IV RHONDDA MEMBER).	(0.50)			
						1.0			
						1.10	294.89		
						2.0			
						(2.05)			
2.50	D		PID	0.20					
						3.0			
						3.15	292.84		
					End of Trialpit at 3.150m				

Weather and environmental conditions:

1. Warm, Dry

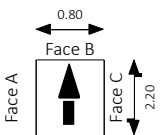
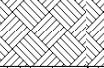
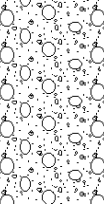
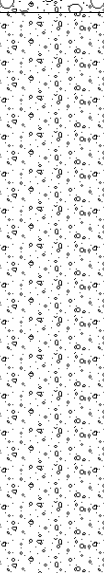
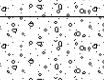
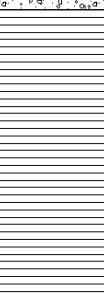
Other comments:

1. Coordinates and ground levels obtained using Geode GNS2 - Horizontal accuracy <50cm. Vertical accuracy <100cm.
2. Trial pit excavated to a depth of 3.15m to establish ground conditions and undertake sampling.
3. Service plans inspected and trial pit position scanned with CAT & Genny prior to breaking ground.
4. Trial pit concluded on bedrock at base of pit.
5. Trial pit backfilled with arisings upon completion.

Earth Science Partnership Consulting Engineers Geologists Environmental Scientists				Excavation method/plant: 8T Tracked Excavator		Shoring/support: None		TP19		
Project Name: Afan Valley Resort				Excavation date: 04/05/2022		Groundwater observations: Groundwater not encountered.				
Site Location: Cymmer				Backfill date: 04/05/2022						
Client: Wildfox Resorts - Afan Valley				Logged by: ESP-AB						
Project No: 8053										
Survey details: Ground Level: 291.3 mOD				Plan details: 0.70 Face B Face A Face C 2.30		Face Stability: Stable				
Easting: 286035 mOD										
Northing: 195513 mOD										
Bearing:										
Depth m		Sample Type Class		Test Details Type Result		Strata Details				
						Description		Depth (thickness)	mOD	Legend
0.20		ES		PID0.40		Soft, brown clayey SILT with abundant rootlets. (TOPSOIL).		(0.30)	291.04	
0.50		B		PID0.20		Dense dark brown sandy gravelly silty clayey COBBLES with many boulders. Sand is fine to coarse. Gravel is fine to coarse angular to subangular consisting of sandstone. Sandstone cobbles are subangular measuring up to 195mm. Sandstone boulders are angular measuring up to 300mm. (GRADE III RHONDDA MEMBER).		0.30 (0.60)		
						End of Trialpit at 0.900m		0.90	290.44	
								1.0		
								2.0		
								3.0		
Weather and environmental conditions: 1. Warm, Dry										
Other comments: 1. Coordinates and ground levels obtained using Geode GNS2 - Horizontal accuracy <50cm. Vertical accuracy <100cm. 2. Trial pit excavated to a depth of 0.9m to establish ground conditions and undertake sampling. 3. Service plans inspected and trial pit position scanned with CAT & Genny prior to breaking ground. 4. Trial pit concluded on bedrock at base of pit. 5. Trial pit backfilled with arisings upon completion.										

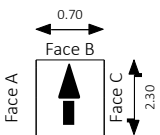
Earth Science Partnership Consulting Engineers Geologists Environmental Scientists				Excavation method/plant: 8T Tracked Excavator		Shoring/support: None		TP20	
Project Name: Afan Valley Resort				Excavation date: 04/05/2022					
Site Location: Cymmer				Backfill date: 04/05/2022					
Client: Wildfox Resorts - Afan Valley				Logged by: ESP-AB					
Project No: 8053				Plan details: 0.70 Face B Face A Face C 2.80		Face Stability: Stable		Groundwater observations: Groundwater not encountered.	
Survey details: Ground Level: 289.1 mOD Easting: 286087 mOD Northing: 195551 mOD Bearing:									
Depth		Sample		Test Details		Strata Details			
m	Type	Class	Type	Result	Description	Depth (thickness)	mOD	Legend	
0.10	ES		PID	0.30	Grass over; soft, dark grey clayey SILT with abundant rootlets. Slightly compressible with no water released on compression. Weak to no odour. (ORGANIC RICH TOPSOIL)	(0.20)	288.89		
0.40	B		PID	0.20	Soft to firm orange brown very gravelly slightly silty very clayey fine to medium SAND. Sand is fine to coarse. Gravel is fine to coarse angular to subangular consisting of sandstone. (GRADE V RHONDDA MEMBER).	(0.40)			
0.50	D								
0.80	ES		PID	0.20	Medium dense, greyish brown sandy silty fine to coarse angular sandstone GRAVEL with low cobble content. Sand is fine to coarse. Sandstone cobbles are angular with low sphericity measuring up to 110mm. (GRADE IV RHONDDA MEMBER).	0.60	288.49		
						1.0			
1.40	D		PID	0.10		(1.50)			
						2.0			
					Dense, dark brown gravelly sandy COBBLES with many boulders. Sand is fine to coarse. Gravel is fine to coarse angular to subangular consisting of sandstone. Sandstone cobbles are subangular measuring up to 185mm. Sandstone boulders are angular measuring up to 250mm. (GRADE IV RHONDDA MEMBER).	2.10	286.99		
						(1.10)			
						3.0			
					End of Trialpit at 3.200m	3.20	285.89		
Weather and environmental conditions: 1. Warm, Dry									
Other comments: 1. Coordinates and ground levels obtained using Geode GNS2 - Horizontal accuracy <50cm. Vertical accuracy <100cm. 2. Trial pit excavated to a depth of 3.2m to establish ground conditions and undertake sampling. 3. Service plans inspected and trial pit position scanned with CAT & Genny prior to breaking ground. 4. Trial pit concluded on bedrock at base of pit. 5. Trial pit backfilled with arisings upon completion.									

Earth Science Partnership Consulting Engineers Geologists Environmental Scientists				Excavation method/plant: 8T Tracked Excavator		Shoring/support: None		TP21	
Project Name: Afan Valley Resort				Excavation date: 29/04/2022					
Site Location: Cymmer				Backfill date: 29/04/2022					
Client: Wildfox Resorts - Afan Valley				Logged by: ESP-AB					
Project No: 8053				Plan details: 0.75 Face B Face A Face C 2.10		Face Stability: Stable		Groundwater observations: Groundwater not encountered.	
Survey details: Ground Level: 297.2 mOD Easting: 286177 mOD Northing: 195526 mOD Bearing:									
Depth		Sample		Test Details		Strata Details			
m	Type	Class	Type	Result	Description	Depth (thickness)	mOD	Legend	
0.20	ES		PID	0.20	Grass over; soft, dark grey clayey SILT with abundant rootlets. Slightly compressible with no water released on compression. Weak to no odour. (ORGANIC RICH TOPSOIL)	(0.15)	297.06		
					Soft, brown clayey SILT with abundant rootlets. (TOPSOIL).	(0.15)	296.91		
					Soft becoming firm and stiff orange brown gravelly sandy clayey SILT. Sand is fine to coarse. Gravel is fine to coarse angular to subangular consisting of sandstone and mudstone. (GRADE V RHONDDA MEMBER).	0.30			
						(0.80)			
					End of Trialpit at 1.100m	1.10	296.11		
Weather and environmental conditions: 1. Warm, Dry									
Other comments: 1. Coordinates and ground levels obtained using Geode GNS2 - Horizontal accuracy <50cm. Vertical accuracy <100cm. 2. Trial pit excavated to a depth of 1.1m to establish ground conditions and undertake sampling. 3. Service plans inspected and trial pit position scanned with CAT & Genny prior to breaking ground. 4. Trial pit concluded on bedrock at base of pit. 5. Trial pit backfilled with arisings upon completion.									

Earth Science Partnership Consulting Engineers Geologists Environmental Scientists				Excavation method/plant: 8T Tracked Excavator		Shoring/support: None		TP22	
Project Name: Afan Valley Resort				Excavation date: 29/04/2022					
Site Location: Cymmer				Backfill date: 29/04/2022					
Client: Wildfox Resorts - Afan Valley				Logged by: ESP-AB					
Project No: 8053				Plan details: 		Face Stability: Stable		Groundwater observations: Groundwater not encountered.	
Survey details: Ground Level: 305.9 mOD Easting: 286189 mOD Northing: 195426 mOD Bearing:									
Depth		Sample		Test Details		Strata Details			
m		Type	Class	Type	Result	Description	Depth (thickness)	mOD	Legend
0.40		D		PID	0.10	Grass over; soft, dark grey clayey SILT with abundant rootlets. Moderately compressible with no water released on compression. Weak to no odour. (ORGANIC RICH TOPSOIL)	(0.20)	305.69	
						Loose orange brown very sandy silty clayey fine to medium subangular to subrounded sandstone and mudstone GRAVEL with low cobble content. Sand is fine to coarse. Sandstone cobbles are subangular measuring up to 110mm. (GRADE V RHONDDA MEMBER).	(0.60)		
1.00		D		PID	0.30	Medium dense to dense grey mottled orange gravelly very silty clayey fine to coarse SAND with low cobble and boulder content. Gravel is fine to coarse angular to subangular mudstone. Mudstone cobbles are angular to subangular measuring up to 85mm. Mudstone boulders are angular measuring up to 205mm. (GRADE IV RHONDDA MEMBER).	0.80	305.09	
							1.0		
							(1.60)		
							2.0		
2.40		ES		PID	0.10	Dense, black sandy fine to coarse angular coal GRAVEL. Sand is fine to coarse.(GRADE VI RHONDDA MEMBER)	2.40	303.49	
						Light grey mottled white very weak MUDSTONE. (GRADE IV RHONDDA MEMBER).	(0.20)	303.29	
							2.60		
							(0.80)		
							3.40	302.49	
						End of Trialpit at 3.400m			
Weather and environmental conditions:									
1. Warm, Dry									
Other comments:									
1. Coordinates and ground levels obtained using Geode GNS2 - Horizontal accuracy <50cm. Vertical accuracy <100cm.									
2. Trial pit excavated to a depth of 3.4m to establish ground conditions and undertake sampling.									
3. Service plans inspected and trial pit position scanned with CAT & Genny prior to breaking ground.									
4. Trial pit concluded on bedrock at base of pit.									
5. Trial pit backfilled with arisings upon completion.									

Earth Science Partnership Consulting Engineers Geologists Environmental Scientists				Excavation method/plant: 8T Tracked Excavator		Shoring/support: None		TP23	
Project Name: Afan Valley Resort			Excavation date: 04/05/2022			Groundwater observations: Groundwater not encountered.			
Site Location: Cymmer			Backfill date: 04/05/2022						
Client: Wildfox Resorts - Afan Valley			Logged by: ESP-AB						
Project No: 8053			Plan details: 0.70 Face B Face A Face C 2.30						
Survey details: Ground Level: 307.6 mOD Easting: 286107 mOD Northing: 195331 mOD Bearing:			Face Stability: Stable						
Depth		Sample		Test Details		Strata Details			
m	Type	Class	Type	Result	Description	Depth (thickness)	mOD	Legend	
0.10	ES		PID	0.60	Grass over; soft, dark grey clayey SILT with abundant rootlets. Slightly compressible with no water released on compression. Weak to no odour. (ORGANIC RICH TOPSOIL)	(0.20)	307.42		
0.30	ES		PID	0.50	Soft orange brown slightly gravelly sandy SILT. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded consisting of sandstone and mudstone. (GRADE IV RHONDDA MEMBER).	0.20			
0.35	D					0.40	307.23		
0.40	B				Medium dense to dense dark brown very sandy silty clayey fine to medium angular to subangular sandstone GRAVEL with many cobbles and boulders. Sand is fine to coarse. Sandstone cobbles are subangular measuring up to 165mm. Sandstone boulders are angular measuring up to 220mm. (GRADE II RHONDDA MEMBER).	(0.80)			
						1.0			
						1.20	306.42		
					End of Trialpit at 1.200m				
						2.0			
						3.0			
Weather and environmental conditions:									
1. Warm, Dry									
Other comments:									
1. Coordinates and ground levels obtained using Geode GNS2 - Horizontal accuracy <50cm. Vertical accuracy <100cm.									
2. Trial pit excavated to a depth of 1.2m to establish ground conditions and undertake sampling.									
3. Service plans inspected and trial pit position scanned with CAT & Genny prior to breaking ground.									
4. Trial pit concluded on bedrock at base of pit.									
5. Trial pit backfilled with arisings upon completion.									

Earth Science Partnership Consulting Engineers Geologists Environmental Scientists				Excavation method/plant: 8T Tracked Excavator		Shoring/support: None		TP24	
Project Name: Afan Valley Resort				Excavation date: 29/04/2022					
Site Location: Cymmer				Backfill date: 29/04/2022					
Client: Wildfox Resorts - Afan Valley				Logged by: ESP-AB					
Project No: 8053				Plan details: 0.70 Face B Face A Face C 2.00		Face Stability: Stable		Groundwater observations: Groundwater not encountered.	
Survey details: Ground Level: 308.2 mOD Easting: 286182 mOD Northing: 195340 mOD Bearing:									
Depth		Sample		Test Details		Strata Details			
m	Type	Class	Type	Result	Description	Depth (thickness)	mOD	Legend	
0.10	D		PID	0.10	Grass over; soft, dark grey clayey SILT with abundant rootlets. Moderately compressible with no water released on compression. Weak to no odour. (ORGANIC RICH TOPSOIL)	(0.20)	307.99		
0.50	ES		PID	0.20	Medium dense to dense orange brown very gravelly silty fine to coarse SAND with low cobble content. Gravel is fine to coarse subangular to subrounded consisting of sandstone and mudstone. Sandstone cobbles are subangular measuring up to 160mm. (GRADE V RHONDDA MEMBER).	0.20			
0.90	D		PID	0.10		(1.10)			
						1.0			
						1.30	306.89		
					End of Trialpit at 1.300m				
						2.0			
						3.0			
Weather and environmental conditions:									
1. Warm, Dry									
Other comments:									
1. Coordinates and ground levels obtained using Geode GNS2 - Horizontal accuracy <50cm. Vertical accuracy <100cm.									
2. Trial pit excavated to a depth of 1.3m to establish ground conditions and undertake sampling.									
3. Service plans inspected and trial pit position scanned with CAT & Genny prior to breaking ground.									
4. Trial pit concluded on bedrock at base of pit.									
5. Trial pit backfilled with arisings upon completion.									

Earth Science Partnership Consulting Engineers Geologists Environmental Scientists				Excavation method/plant: 8T Tracked Excavator		Shoring/support: None		TP25	
Project Name: Afan Valley Resort			Excavation date: 04/05/2022			Plan details: 			
Site Location: Cymmer			Backfill date: 04/05/2022						
Client: Wildfox Resorts - Afan Valley			Logged by: ESP-AB						
Project No: 8053									
Survey details: Ground Level: 312.2 mOD Easting: 286237 mOD Northing: 195332 mOD Bearing:			Face Stability: Stable			Groundwater observations: Groundwater not encountered.			
Depth		Sample		Test Details		Strata Details			
m	Type	Class	Type	Result	Description	Depth (thickness)	mOD	Legend	
0.10	ES		PID	0.30	Grass over; soft, dark grey becoming brown clayey SILT with abundant rootlets. Slightly compressible with no water released on compression. Weak to no odour.(ORGANIC RICH TOPSOIL)	(0.20)	311.98		
0.30	ES		PID	0.10	Soft orange brown slightly gravelly sandy SILT. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded consisting of sandstone and mudstone. (GRADE VI RHONDDA MEMBER).	(0.40)			
0.50	D		PID	0.20		0.60	311.58		
0.80	D		PID	0.20	Dense becoming very dense dark grey silty sandy gravelly COBBLES with many boulders. Sand is fine to coarse. Gravel is fine to coarse angular consisting of sandstone. Sandstone cobbles are angular with low sphericity measuring up to 170mm. Sandstone boulders are angular with moderate to low sphericity measuring up to 560mm. (GRADE III RHONDDA MEMBER).	(0.70)			
					End of Trialpit at 1.300m	1.30	310.88		
						2.0			
						3.0			
Weather and environmental conditions:									
1. Warm, Dry									
Other comments:									
1. Coordinates and ground levels obtained using Geode GNS2 - Horizontal accuracy <50cm. Vertical accuracy <100cm.									
2. Trial pit excavated to a depth of 1.3m to establish ground conditions and undertake sampling.									
3. Service plans inspected and trial pit position scanned with CAT & Genny prior to breaking ground.									
4. Trial pit concluded on bedrock at base of pit.									
5. Trial pit backfilled with arisings upon completion.									

Earth Science Partnership Consulting Engineers Geologists Environmental Scientists				Excavation method/plant: 8T Tracked Excavator		Shoring/support: None		TP26			
Project Name: Afan Valley Resort				Excavation date: 29/04/2022							
Site Location: Cymmer				Backfill date: 29/04/2022							
Client: Wildfox Resorts - Afan Valley				Logged by: ESP-AB							
Project No: 8053											
Survey details: Ground Level: 282.9 mOD Easting: 286387 mOD Northing: 195542 mOD Bearing:				Plan details: 0.75 Face B Face A Face C 1.90		Face Stability: Stable		Groundwater observations: Groundwater not encountered.			
Depth m		Sample Type Class		Test Details Type Result		Strata Details Description Depth (thickness) mOD Legend					
0.10		D		PID		0.10		Grass over; soft, dark grey clayey SILT with abundant rootlets. Slightly compressible with no water released on compression. Weak to no odour. (ORGANIC RICH TOPSOIL) (0.10) 282.84			
0.40		ES		PID		0.10		Medium dense orange brown slightly gravelly silty SAND. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded consisting of sandstone and mudstone. (GRADE V RHONDDA MEMBER). (0.60)			
1.20		D		PID		0.00		Dense dark grey silty sandy gravelly COBBLES with many boulders. Sand is fine to coarse. Gravel is fine to coarse angular consisting of sandstone. Sandstone cobbles are angular with low sphericity measuring up to 190mm. Sandstone boulders are angular with moderate to low sphericity measuring up to 390mm. (GRADE III RHONDDA MEMBER). 0.70 282.24			
								End of Trialpit at 1.500m 1.50 281.44			
								2.0			
								3.0			
Weather and environmental conditions: 1. Warm, Dry											
Other comments: 1. Coordinates and ground levels obtained using Geode GNS2 - Horizontal accuracy <50cm. Vertical accuracy <100cm. 2. Trial pit excavated to a depth of 1.5m to establish ground conditions and undertake sampling. 3. Service plans inspected and trial pit position scanned with CAT & Genny prior to breaking ground. 4. Trial pit concluded on bedrock at base of pit. 5. Trial pit backfilled with arisings upon completion.											