TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306242.99	Northing:	206769.12
Level:	280.91mAOD	Depth:	22.40m
Logger:	IR	Type:	RC
		Inclination:	90°

Status: FINAL

Borehole Number: **BH402**

Sheet 5 of 6

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00	1.20	Inspection Pit	Hand Excavation Tools	Apex Drilling Services	1.20	300	4.00	165	30/04	17:00	13.70	4.00	
1.20	22.40	Rotary Core	Fraste	Apex Drilling Services	22.40	102			01/05	17:00	22.40	-	

Scale:	1:50
Checked By:	JC + DD
Approved By:	NB
Start Date:	30/04/2026
Finish Date:	01/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring							
						Depth (m)	Ref	Core Run	FI	TCR	SCR	RQD	Tests / Results

41
42
43
44
45
46
47
48
49
50

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. ES= Environmental Sample, B=Bulk Disturbed Sample, D= Small Disturbed Sample
4. Location reinstated as instructed by WSP.

Drilling Fluid

From (m)	To (m)	Return Min %	Colour	Type
13.70	15.10	40	Grey	Water
15.10	16.60	0		Water
16.60	17.80	20	Grey	Water

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Hammer Information

Serial No.	Energy Ratio %
AP5	65

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306242.99	Northing:	206769.12
Level:	280.91mAOD	Depth:	22.40m
Logger:	IR	Type:	RC
		Inclination:	90°

Status: FINAL

Borehole Number: **BH402**

Sheet 6 of 6

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00	1.20	Inspection Pit	Hand Excavation Tools	Apex Drilling Services	1.20	300	4.00	165	30/04	17:00	13.70	4.00	
1.20	22.40	Rotary Core	Fraste	Apex Drilling Services	22.40	102			01/05	17:00	22.40	-	

Scale:	1:50
Checked By:	JC + DD
Approved By:	NB
Start Date:	30/04/2026
Finish Date:	01/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring							
						Depth (m)	Ref	Core Run	FI	TCR	SCR	RQD	Tests / Results

51
52
53
54
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59
60

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. ES= Environmental Sample, B=Bulk Disturbed Sample, D= Small Disturbed Sample
4. Location reinstated as instructed by WSP.

Drilling Fluid

From (m)	To (m)	Return Min %	Colour	Type
17.80	19.40	40	Grey	Water
19.40	20.90	50	Grey	Water
20.90	22.40	50	Grey	Water

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Hammer Information

Serial No.	Energy Ratio %
AP5	65

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306240.00	Northing:	206771.00
Level:	279.92mAOD	Depth:	0.30m
Logger:	IR	Type:	CP
		Inclination:	°

Status: FINAL

Borehole Number: **BH402A**

Sheet 1 of 1

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00	0.30	Inspection Pit	Hand Excavation Tools	Apex Drilling Services									

Scale: 1:50
Checked By: JC + DD
Approved By: NB
Start Date: 17/03/2026
Finish Date: 17/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Dark grey clayey sandy GRAVEL with high cobble content. Gravel is subangular to subrounded fine to coarse slag with occasional siltstone, ironstone and mudstone. Cobbles are subangular of slag. Sand is fine to coarse.		0.30	279.62					
MGR		0.30	279.62					
CONCRETE								
MGR								
EOH at 0.30m - Terminated due to refusal on concrete								

1 2 3 4 5 6 7 8 9 10

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. ES= Environmental Sample, B=Bulk Disturbed Sample, D= Small Disturbed Sample
4. Location reinstated as instructed by WSP.

Chiselling			Water Added		Hammer Information	
From (m)	To (m)	Time (mins)	From (m)	To (m)	Serial No.	Energy Ratio %

Groundwater					
Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306241.00	Northing:	206768.00
Level:	279.92mAOD	Depth:	0.30m
Logger:	IR	Type:	CP
		Inclination:	°

Status: FINAL

Borehole Number: **BH402B**

Sheet 1 of 1

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00	0.30	Inspection Pit	Hand Excavation Tools	Apex Drilling Services									

Scale:	1:50
Checked By:	JC + DD
Approved By:	NB
Start Date:	17/03/2026
Finish Date:	17/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Dark grey clayey sandy GRAVEL with high cobble content. Gravel is subangular to subrounded fine to coarse slag with occasional siltstone, ironstone and mudstone. Cobbles are subangular of slag. Sand is fine to coarse.								
MGR		0.30	279.62					
CONCRETE		0.30	279.62					
MGR								
EOH at 0.30m - Terminated due to refusal on concrete								

1 2 3 4 5 6 7 8 9 10

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. ES= Environmental Sample, B=Bulk Disturbed Sample, D= Small Disturbed Sample
4. Location reinstated as instructed by WSP.

Chiselling			Water Added		Hammer Information	
From (m)	To (m)	Time (mins)	From (m)	To (m)	Serial No.	Energy Ratio %

Groundwater					
Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306243.00	Northing:	206768.00
Level:	279.98mAOD	Depth:	0.30m
Logger:	IR	Type:	CP
		Inclination:	°

Status: FINAL

Borehole Number: **BH402C**

Sheet 1 of 1

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00	0.30	Inspection Pit	Hand Excavation Tools	Apex Drilling Services									

Scale:	1:50
Checked By:	JC + DD
Approved By:	NB
Start Date:	17/03/2026
Finish Date:	17/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Dark grey clayey sandy GRAVEL with high cobble content. Gravel is subangular to subrounded fine to coarse slag with occasional siltstone, ironstone and mudstone. Cobbles are subangular of slag. Sand is fine to coarse.								
MGR		0.30	279.68					
CONCRETE		0.30	279.68					
MGR								
EOH at 0.30m - Terminated due to refusal on concrete								

1 2 3 4 5 6 7 8 9 10

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. ES= Environmental Sample, B=Bulk Disturbed Sample, D= Small Disturbed Sample
4. Location reinstated as instructed by WSP.

Chiselling

From (m)	To (m)	Time (mins)

Water Added

From (m)	To (m)

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306296.73	Northing:	207139.41
Level:	280.23mAOD	Depth:	30.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH01**

Sheet 1 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.70	0.70 30.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	30.00	120	12.00	120	18/05 18/05	10:00 17:00	1.20 30.00	- -	

Scale: 1:50
Checked By: JC
Approved By: NB
Start Date: 18/05/2026
Finish Date: 18/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MADE GROUND: Desiccated brown sandy slightly gravelly CLAY with abundant rootlets upto 1mm. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of shaly mudstone and siltstone.		0.05	280.18					
MGR		0.50	279.73					
MADE GROUND: Dark brown and light grey gravelly fine to coarse sand with low to medium cobble content. Gravel is angular fine to coarse of shaly mudstone, siltstone clinker and slag. Cobbles are angular of slag, ironstained shaly mudstone and siltstone.		0.70	279.53					
MGR								
MADE GROUND: Orangish brown clayey fine to medium sand .								
MGR								
CASED: (Drillers Description)								
MGR								

1 2 3 4 5 6 7 8 9 10

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
14.70	30.00	0		Water

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306296.73	Northing:	207139.41
Level:	280.23mAOD	Depth:	30.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH01**

Sheet 2 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.70	0.70 30.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	30.00	120	12.00	120	18/05 18/05	10:00 17:00	1.20 30.00	- -	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	18/05/2026
Finish Date:	18/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
CASED: (Drillers Description) MGR								
MUDSTONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		12.00	268.23					
VOID: Backfill workings with no returns. (Drillers Description) SWLCM		14.70	265.53					
Normal drilling - no returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		16.60	263.63					

11 12 13 14 15 16 17 18 19 20

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
14.70	30.00	0		Water

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306296.73	Northing:	207139.41
Level:	280.23mAOD	Depth:	30.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH01**

Sheet 3 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.70	0.70 30.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	30.00	120	12.00	120	18/05 18/05	10:00 17:00	1.20 30.00	- -	

Scale: 1:50
Checked By: JC
Approved By: NB
Start Date: 18/05/2026
Finish Date: 18/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
Normal drilling - no returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM								
Soft drilling - no returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		25.50	254.73					
Normal drilling - no returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		26.80	253.43					
EOH at 30.00m - Achieved target depth		30.00	250.23					

21 22 23 24 25 26 27 28 29 30

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
14.70	30.00	0		Water

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306287.98	Northing:	207125.01
Level:	280.21mAOD	Depth:	30.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH02**

Sheet 1 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.60	0.60 30.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	30.00	120	12.00	120	18/05	17:00	30.00	-	

Scale: 1:50
Checked By: JC
Approved By: NB
Start Date: 18/05/2026
Finish Date: 18/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MADE GROUND: Desiccated brown sandy slightly gravelly CLAY with abundant rootlets upto 1mm. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of shaly mudstone and siltstone.		0.05	280.16					
MGR		0.50	279.71					
MADE GROUND: Dark brown and light grey gravelly fine to coarse sand with low to medium cobble content. Gravel is angular fine to coarse of shaly mudstone, siltstone clinker and slag. Cobbles are angular of slag, ironstained shaly mudstone and siltstone.		0.60	279.61					
MGR								
MADE GROUND: Orangish brown clayey fine to medium sand .								
MGR								
CASED: (Drillers Description)								
MGR								

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Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
15.70	30.00	0		Water

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306287.98	Northing:	207125.01
Level:	280.21mAOD	Depth:	30.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH02**

Sheet 2 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.60	0.60 30.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	30.00	120	12.00	120	18/05	17:00	30.00	-	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	18/05/2026
Finish Date:	18/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
CASED: (Drillers Description) MGR								
MUDSTONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		12.00	268.21					
VOID - Backfill working with no returns. (Drillers Description) (PRESUMED SOUTH WALES MIDDDLE COAL MEASURES) SWLCM		15.70	264.51					
Soft drilling - no returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		17.00	263.21					
Normal drilling - no returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		18.00	262.21					

11 12 13 14 15 16 17 18 19 20

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
15.70	30.00	0		Water

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Hammer Information

Serial No.	Energy Ratio %

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306287.98	Northing:	207125.01
Level:	280.21mAOD	Depth:	30.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH02**

Sheet 3 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.60	0.60 30.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	30.00	120	12.00	120	18/05	17:00	30.00	-	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	18/05/2026
Finish Date:	18/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
Normal drilling - no returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM								
Soft drilling - no returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		23.40	256.81					
Normal drilling - no returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		24.20	256.01					
EOH at 30.00m - Achieved target depth		30.00	250.21					

21 22 23 24 25 26 27 28 29 30

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
15.70	30.00	0		Water

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306178.73	Northing:	207103.09
Level:	278.73mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH03**

Sheet 1 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.00	0.60 25.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	25.00	120	12.00	120	15/05	17:00	25.00	-	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	15/05/2026
Finish Date:	15/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MADE GROUND: Grass over brown clayey slightly gravelly fine to coarse SAND with abundant rootlets upto 1mm. Gravel is angular to subangular fine to coarse of shaly mudstone, siltstone, slag, furnace clinker. MGR		0.10	278.63					
MADE GROUND: Light grey gravelly fine to coarse sand. Gravel is angular fine to coarse ironstained shaly mudstone and siltstone. MGR		0.60	278.13					
CASED: (Drillers Description) MGR								

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Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306178.73	Northing:	207103.09
Level:	278.73mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH03**

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.00	0.60 25.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	25.00	120	12.00	120	15/05	17:00	25.00	-	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	15/05/2026
Finish Date:	15/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
CASED: (Drillers Description) MGR								
MUDSTONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		12.00	266.73					
VOID- Backfill working, very soft drilling. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		16.00	262.73					
Normal drilling - no returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		16.70	262.03					

11 12 13 14 15 16 17 18 19 20

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306178.73	Northing:	207103.09
Level:	278.73mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH03**

Sheet 3 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.00	0.60 25.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	25.00	120	12.00	120	15/05	17:00	25.00	-	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	15/05/2026
Finish Date:	15/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
Normal drilling - no returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM								
EOH at 25.00m - Achieved target depth		25.00	253.73					

21 22 23 24 25 26 27 28 29 30

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306200.66	Northing:	207097.71
Level:	278.95mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH04**

Sheet 1 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.75	0.75 25.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	25.00	120	9.00	120	14/05	17:00	25.00	-	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	15/05/2026
Finish Date:	15/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MADE GROUND: Desiccated brown sandy slightly gravelly CLAY with abundant rootlets upto 1mm. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of shaly mudstone and siltstone. MGR		0.10	278.85					
MADE GROUND: Dark brown and grey gravelly fine to coarse sand with low to medium cobble content. Gravel is angular fine to coarse of shaly mudstone, siltstone clinker and slag. Cobbles are angular of slag, ironstained shaly mudstone and siltstone. MGR		0.75	278.20					
CASED: (Drillers Description) MGR								
MUDSTONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		9.00	269.95					

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
19.50	25.00	0		Water

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306200.66	Northing:	207097.71
Level:	278.95mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH04**

Sheet 2 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.75	0.75 25.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	25.00	120	9.00	120	14/05	17:00	25.00	-	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	15/05/2026
Finish Date:	15/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MUDSTONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								
VOID - Backfill working, lost returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		14.60	264.35					
Normal drilling - no returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		19.50	259.45					

11 12 13 14 15 16 17 18 19 20

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
19.50	25.00	0		Water

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306200.66	Northing:	207097.71
Level:	278.95mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH04**

Sheet 3 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.75	0.75 25.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	25.00	120	9.00	120	14/05	17:00	25.00	-	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	15/05/2026
Finish Date:	15/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
Normal drilling - no returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM								
EOH at 25.00m - Achieved target depth		25.00	253.95					

21 22 23 24 25 26 27 28 29 30

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
19.50	25.00	0		Water

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Hammer Information

Serial No.	Energy Ratio %

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306175.20	Northing:	207080.39
Level:	278.95mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH05**

Sheet 1 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.00	0.50 25.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	25.00	120	9.00	120	15/05	17:00	25.00	-	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	15/05/2026
Finish Date:	15/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MADE GROUND: Grass over brown clayey slightly gravelly fine to coarse SAND with abundant rootlets upto 1mm. Gravel is angular to subangular fine to coarse of shaly mudstone, siltstone, slag, furnace clinker. MGR		0.10	278.85					
MADE GROUND: Light grey and brown sandy angular fine to coarse gravel of slag, clinker, concrete mortar with low cobble content. Sand is fine to coarse. Cobbles are angular of concrete, clinker, slag, ironstone stained shaly mudstone and siltstone. MGR		0.50	278.45					
CASED: (Drillers Description) MGR								
MUDSTONE/SILTSONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		9.00	269.95					

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Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306175.20	Northing:	207080.39
Level:	278.95mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH05**

Sheet 2 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.00	0.50 25.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	25.00	120	9.00	120	15/05	17:00	25.00	-	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	15/05/2026
Finish Date:	15/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring		
						Depth (m)	Ref	Tests / Results
MUDSTONE/SILTSONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								

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Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306175.20	Northing:	207080.39
Level:	278.95mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH05**

Sheet 3 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.00	0.50 25.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	25.00	120	9.00	120	15/05	17:00	25.00	-	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	15/05/2026
Finish Date:	15/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MUDSTONE/SILTSONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								
EOH at 25.00m - Achieved target depth		25.00	253.95					

21 22 23 24 25 26 27 28 29 30

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306218.77	Northing:	207078.72
Level:	279.53mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH06**

Sheet 1 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.60	0.60 25.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	25.00	120	6.50	120	14/05	17:00	25.00	-	

Scale: 1:50
Checked By: JC
Approved By: NB
Start Date: 15/05/2026
Finish Date: 15/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MADE GROUND: Desiccated brown sandy slightly gravelly CLAY with abundant rootlets upto 1mm. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of shaly mudstone and siltstone. MGR		0.05	279.48					
MADE GROUND: Light to dark grey sandy angular fine to coarse gravel of shaly mudstone and siltstone with low cobble content. Sand is fine to coarse. Cobbles are angular of ironstained shaly mudstone and siltstone. MGR		0.60	278.93					
CASED. (Drillers Description) MGR								
MUDSTONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		6.50	273.03					

1 2 3 4 5 6 7 8 9 10

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306218.77	Northing:	207078.72
Level:	279.53mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH06**

Sheet 2 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.60	0.60 25.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	25.00	120	6.50	120	14/05	17:00	25.00	-	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	15/05/2026
Finish Date:	15/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MUDSTONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								
SILTSONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		16.00	263.53					

11 12 13 14 15 16 17 18 19 20

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306218.77	Northing:	207078.72
Level:	279.53mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH06**

Sheet 3 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.60	0.60 25.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	25.00	120	6.50	120	14/05	17:00	25.00	-	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	15/05/2026
Finish Date:	15/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
SILTSONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								
EOH at 25.00m - Achieved target depth		25.00	254.53					

21 22 23 24 25 26 27 28 29 30

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306192.19	Northing:	207078.71
Level:	279.04mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH07**

Sheet 1 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.60	0.60 25.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	25.00	120	9.00	120	14/05	17:00	25.00	-	

Scale: 1:50
Checked By: JC
Approved By: NB
Start Date: 15/05/2026
Finish Date: 15/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MADE GROUND: Desiccated brown sandy slightly gravelly CLAY with abundant rootlets upto 1mm. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of shaly mudstone and siltstone. MGR		0.05	278.99					
MADE GROUND: Dark brown and grey gravelly fine to coarse sand with low cobble content. Gravel is angular fine to coarse of shaly mudstone, siltstone clinker and slag. Cobbles are angular of slag, ironstained shaly mudstone and siltstone. MGR CASED:(Drillers Description) MGR		0.60	278.44					
MUDSTONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		9.00	270.04					

1 2 3 4 5 6 7 8 9 10

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306192.19	Northing:	207078.71
Level:	279.04mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH07**

Sheet 2 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.60	0.60 25.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	25.00	120	9.00	120	14/05	17:00	25.00	-	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	15/05/2026
Finish Date:	15/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MUDSTONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								
SILTSONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		18.10	260.94					

11 12 13 14 15 16 17 18 19 20

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306192.19	Northing:	207078.71
Level:	279.04mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH07**

Sheet 3 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.60	0.60 25.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	25.00	120	9.00	120	14/05	17:00	25.00	-	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	15/05/2026
Finish Date:	15/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
SILTSONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								
EOH at 25.00m - Achieved target depth		25.00	254.04					

21 22 23 24 25 26 27 28 29 30

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306208.10	Northing:	207068.83
Level:	279.48mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH08**

Sheet 1 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.00	25.00 0.85	Rotary Open Hole Inspection Pit	Klemm Hand Digging Tools	Apex Drilling Services South Wales Ground Testing	25.00	120	6.50	120	14/05	17:00	25.00	-	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	15/05/2026
Finish Date:	15/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MADE GROUND: Grass over brown clayey slightly gravelly fine to coarse SAND with abundant rootlets upto 1mm. Gravel is angular to subangular fine to coarse of shaly mudstone, siltstone, slag, furnace clinker. MGR		0.05	279.43					
MADE GROUND: Light brown and grey gravelly fine to coarse sand with low cobble content. Gravel is angular fine to coarse ironstone, ironstained shaly mudstone and siltstone. MGR		0.80	278.68					
CASED: (Drillers Description) MGR								
Very weak MUDSTONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		6.50	272.98					
		10.00	269.48					

1 2 3 4 5 6 7 8 9 10

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
16.00	25.00	0		Water

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306208.10	Northing:	207068.83
Level:	279.48mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH08**

Sheet 2 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.00	25.00 0.85	Rotary Open Hole Inspection Pit	Klemm Hand Digging Tools	Apex Drilling Services South Wales Ground Testing	25.00	120	6.50	120	14/05	17:00	25.00	-	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	15/05/2026
Finish Date:	15/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MUDSTONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								
VOID - Backfill working, lost returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		16.00	263.48					
Very soft drilling - no returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		17.20	262.28					
Normal drilling - no returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		18.20	261.28					

11 12 13 14 15 16 17 18 19 20

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
16.00	25.00	0		Water

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306208.10	Northing:	207068.83
Level:	279.48mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH08**

Sheet 3 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.00	25.00 0.85	Rotary Open Hole Inspection Pit	Klemm Hand Digging Tools	Apex Drilling Services South Wales Ground Testing	25.00	120	6.50	120	14/05	17:00	25.00	-	

Scale: 1:50
Checked By: JC
Approved By: NB
Start Date: 15/05/2026
Finish Date: 15/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
Normal drilling - no returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM								
EOH at 25.00m - Achieved target depth		25.00	254.48					

21 22 23 24 25 26 27 28 29 30

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
16.00	25.00	0		Water

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306162.56	Northing:	207064.82
Level:	279.12mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH09**

Sheet 1 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.00	0.70 25.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	25.00	120	9.00	120	15/05	17:00	25.00	-	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	15/05/2026
Finish Date:	15/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MADE GROUND: Grass over brown clayey slightly gravelly fine to coarse SAND with abundant rootlets upto 1mm. Gravel is angular to subangular fine to coarse of shaly mudstone, siltstone, slag, furnace clinker. MGR		0.10	279.02					
MADE GROUND: Brown gravelly fine to coarse sand. Gravel is angular fine to coarse of ironstone stained shaly mudstone and siltstone. MGR		0.30	278.82					
MADE GROUND: Light to dark grey gravelly fine to coarse sand. Gravel is angular fine to coarse of ironstone, shaly mudstone and siltstone. MGR		0.70	278.42					
CASED: (Drillers Description) MGR								
MUDSTONE/SILTSONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		9.00	270.12					

1 2 3 4 5 6 7 8 9 10

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306162.56	Northing:	207064.82
Level:	279.12mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH09**

Sheet 2 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.00	0.70 25.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	25.00	120	9.00	120	15/05	17:00	25.00	-	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	15/05/2026
Finish Date:	15/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MUDSTONE/SILTSONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								

11 12 13 14 15 16 17 18 19 20

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306162.56	Northing:	207064.82
Level:	279.12mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH09**

Sheet 3 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.00	0.70 25.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	25.00	120	9.00	120	15/05	17:00	25.00	-	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	15/05/2026
Finish Date:	15/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MUDSTONE/SILTSONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								
EOH at 25.00m - Achieved target depth		25.00	254.12					

21 22 23 24 25 26 27 28 29 30

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306142.30	Northing:	207061.22
Level:	279.38mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH10**

Sheet 1 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.00	0.75 25.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	25.00	120	4.75	120	15/05 18/05	11:30 17:00	10.00 25.00	4.75 4.75	

Scale: 1:50
Checked By: JC
Approved By: NB
Start Date: 15/05/2026
Finish Date: 18/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MADE GROUND: Grass over brown clayey slightly gravelly fine to coarse SAND with abundant rootlets upto 1mm. Gravel is angular to subangular fine to coarse of shaly mudstone, siltstone, slag, furnace clinker. MGR		0.10	279.28					
MADE GROUND: Light grey mottled orangish brown gravelly fine to coarse sand with low to medium cobble content. Gravel is angular fine to coarse of ironstone stained shaly mudstone and siltstone. Cobbles are angular to subangular of ironstone, ironstained shaly mudstone and siltstone. MGR		0.75	278.63					
CASED: (Drillers Description) MGR								
MUDSTONE/SILTSONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		4.75	274.63					

1 2 3 4 5 6 7 8 9 10

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
4.75 11.70	11.70 11.70	100 0		Water Water

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Hammer Information

Serial No.	Energy Ratio %

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306142.30	Northing:	207061.22
Level:	279.38mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH10**

Sheet 2 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.00	0.75 25.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	25.00	120	4.75	120	15/05 18/05	11:30 17:00	10.00 25.00	4.75 4.75	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	15/05/2026
Finish Date:	18/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MUDSTONE/SILTSONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								
At 11.70m bgl lost flush.								
Soft patch possible workings (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		16.00	263.38					
MUDSTONE/SILTSONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		17.00	262.38					

11 12 13 14 15 16 17 18 19 20

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
4.75 11.70	11.70 11.70	100 0		Water Water

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Hammer Information

Serial No.	Energy Ratio %

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306142.30	Northing:	207061.22
Level:	279.38mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH10**

Sheet 3 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.00	0.75 25.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	25.00	120	4.75	120	15/05 18/05	11:30 17:00	10.00 25.00	4.75 4.75	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	15/05/2026
Finish Date:	18/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MUDSTONE/SILTSONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								
EOH at 25.00m - Achieved target depth		25.00	254.38					

21 22 23 24 25 26 27 28 29 30

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
4.75 11.70	11.70 11.70	100 0		Water Water

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Hammer Information

Serial No.	Energy Ratio %

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306167.81	Northing:	207049.40
Level:	279.24mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH11**

Sheet 1 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.00	0.60 25.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	25.00	120	2.00	120	15/05	17:00	25.00	-	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	15/05/2026
Finish Date:	15/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MADE GROUND: Grass over brown clayey slightly gravelly fine to fine SAND with abundant rootlets upto 1mm. Gravel is angular to subangular fine to coarse of shaly mudstone, siltstone, slag, furnace clinker. MGR		0.20	279.04					
MADE GROUND: Brown and orange gravelly fine to coarse sand with low to medium cobble content. Gravel is angular fine to coarse of shaly mudstone, siltstone, concrete, mortar, ironstone, slag and furnace clinker. Cobbles are angular to subangular of concrete, mortar, ironstone, shaly mudstone and siltstone. MGR		0.55	278.70					
CASED: (Drillers Description) MGR								
MUDSTONE/SILTSONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		2.00	277.24					

1 2 3 4 5 6 7 8 9 10

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
16.90	25.00	0		Water

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Hammer Information

Serial No.	Energy Ratio %

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306167.81	Northing:	207049.40
Level:	279.24mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH11**

Sheet 2 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.00	0.60 25.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	25.00	120	2.00	120	15/05	17:00	25.00	-	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	15/05/2026
Finish Date:	15/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MUDSTONE/SILTSONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								
VOID- Backfill working, lost returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		16.90	262.35					
Very soft drilling - No Returns (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		18.30	260.94					
Normal Drilling - No returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		19.00	260.24					

11 12 13 14 15 16 17 18 19 20

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
16.90	25.00	0		Water

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306167.81	Northing:	207049.40
Level:	279.24mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH11**

Sheet 3 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.00	0.60 25.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	25.00	120	2.00	120	15/05	17:00	25.00	-	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	15/05/2026
Finish Date:	15/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
Normal Drilling - No returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM								
EOH at 25.00m - Achieved target depth		25.00	254.24					

21 22 23 24 25 26 27 28 29 30

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
16.90	25.00	0		Water

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Hammer Information

Serial No.	Energy Ratio %

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306103.64	Northing:	206998.77
Level:	279.28mAOD	Depth:	15.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH12**

Sheet 1 of 2

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.00	15.00 0.85	Rotary Open Hole Inspection Pit	Klemm Hand Digging Tools	Apex Drilling Services South Wales Ground Testing	15.00	120	3.50	120	13/05	17:00	15.00	3.50	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	13/05/2026
Finish Date:	13/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MADE GROUND: Grass over brown clayey slightly gravelly fine to coarse SAND with abundant rootlets upto 1mm. Gravel is angular to subangular fine to coarse of shaly mudstone, siltstone, slag, furnace clinker. MGR		0.10	279.18					
MADE GROUND: Light grey and dark black gravelly fine to coarse sand with low cobble content. Gravel is angular fine to coarse of shaly mudstone, siltstone, ironstone, slag and furnace clinker. Cobbles are angular to subangular of ironstone, shaly mudstone and siltstone. MGR		0.85	278.43					
MADE GROUND: CASED. (Drillers Description) MGR								
MADE GROUND: Very soft drilling. (Drillers Description) MGR		2.00	277.28					
Normal Drilling - No returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		3.10	276.18					
MUDSTONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		3.50	275.78					
VOID- Backfill working, lost returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		8.90	270.38					

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Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
3.10 12.10	3.50 15.00	0 0		Water Water

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Hammer Information

Serial No.	Energy Ratio %

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306103.64	Northing:	206998.77
Level:	279.28mAOD	Depth:	15.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH12**

Sheet 2 of 2

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.00	15.00 0.85	Rotary Open Hole Inspection Pit	Klemm Hand Digging Tools	Apex Drilling Services South Wales Ground Testing	15.00	120	3.50	120	13/05	17:00	15.00	3.50	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	13/05/2026
Finish Date:	13/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
VOID- Backfill working, lost returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM								
MUDSTONE: Very soft drilling. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		12.10	267.18					
EOH at 15.00m - Achieved target depth		15.00	264.28					

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
3.10 12.10	3.50 15.00	0 0		Water Water

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Hammer Information

Serial No.	Energy Ratio %

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306112.31	Northing:	206984.92
Level:	279.36mAOD	Depth:	15.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH13**

Sheet 1 of 2

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.00	1.20 15.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	15.00	120	2.00	120	13/05	17:00	15.00	2.00	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	13/05/2026
Finish Date:	13/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MADE GROUND: Grass over brown clayey slightly gravelly fine to fine SAND with abundant rootlets upto 1mm. Gravel is angular to subangular fine to coarse of shaly mudstone, siltstone, slag, furnace clinker. MGR		0.10	279.26					
MADE GROUND: Light grey and dark grey gravelly fine to coarse sand with low cobble content. Gravel is angular fine to coarse of shaly mudstone, siltstone, ironstone, slag and furnace clinker. Cobbles are angular to subangular of ironstone, shaly mudstone and siltstone. MGR		1.20	278.16					
MADE GROUND: (Drillers Description) MGR		2.00	277.36					
MUDSTONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		5.30	274.06					
COAL. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		5.60	273.76					
MUDSTONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
11.40	15.00	0		Water

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306112.31	Northing:	206984.92
Level:	279.36mAOD	Depth:	15.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH13**

Sheet 2 of 2

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.00	1.20 15.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	15.00	120	2.00	120	13/05	17:00	15.00	2.00	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	13/05/2026
Finish Date:	13/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MUDSTONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								
		10.50	268.86					
VOID - Backfill working, lost returns. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								
		11.40	267.96					
MUDSTONE: Very soft drilling - no returns. Backfilled Working (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								
		13.10	266.26					
Normal Drilling - No returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM								
		15.00	264.36					
EOH at 15.00m - Achieved target depth								

11 12 13 14 15 16 17 18 19 20

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
11.40	15.00	0		Water

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Hammer Information

Serial No.	Energy Ratio %

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306107.29	Northing:	206892.44
Level:	279.56mAOD	Depth:	15.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH14**

Sheet 1 of 2

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 0.90	0.90 15.00	Inspection Pit Rotary Open Hole	Hand Digging Tools Klemm	South Wales Ground Testing Apex Drilling Services	0.90 15.00	300 120	4.00	120	13/05	17:00	15.00	4.00	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	13/05/2026
Finish Date:	13/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MADE GROUND: Grass over brown slightly gravelly fine to coarse SAND with abundant rootlets upto 1mm. Gravel is angular to subangular fine to coarse of shaly mudstone, siltstone, slag, furnace clinker. MGR		0.10	279.46					
MADE GROUND: Light grey and black gravelly fine to coarse sand with medium to high cobble content. Gravel is angular fine to coarse of shaly mudstone, siltstone, ironstone, slag and furnace clinker. Cobbles are angular to subangular of ironstone, shaly mudstone and siltstone. MGR		0.90	278.66					
MADE GROUND: (Drillers Description) MGR								
MUDSTONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		4.00	275.56					
MUDSTONE: Very soft drilling - lost returns. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		5.80	273.76					
VOID- Backfill working, voided in parts, lost returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEAURES) SWLCM		6.10	273.46					
Normal Drilling - No returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		8.40	271.16					

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
5.30	15.00	0		Water

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306107.29	Northing:	206892.44
Level:	279.56mAOD	Depth:	15.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH14**

Sheet 2 of 2

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00	0.90	Inspection Pit	Hand Digging Tools	South Wales Ground Testing	0.90	300	4.00	120	13/05	17:00	15.00	4.00	
0.90	15.00	Rotary Open Hole	Klemm	Apex Drilling Services	15.00	120							

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	13/05/2026
Finish Date:	13/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
Normal Drilling - No returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM								
Soft drilling - no returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		10.50	269.06					
Normal Drilling - No returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		11.10	268.46					
EOH at 15.00m - Achieved target depth		15.00	264.56					

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
5.30	15.00	0		Water

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Hammer Information

Serial No.	Energy Ratio %

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306105.88	Northing:	206866.63
Level:	279.40mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH15**

Sheet 1 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00	1.20	Inspection Pit	Hand Digging Tools	Apex Drilling Services	1.20	300	2.00	120	13/05	17:00	15.50	2.00	
0.00	1.00	Inspection Pit			25.00	120			14/05	17:00	25.00	2.00	
1.20	25.00	Rotary Open Hole	Klemm	Apex Drilling Services									

Scale: 1:50
Checked By: JC
Approved By: NB
Start Date: 13/05/2026
Finish Date: 14/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MADE GROUND: Grass over brown slightly gravelly fine to coarse SAND with abundant rootlets upto 1mm. Gravel is angular to subangular fine to coarse of shaly mudstone, siltstone, slag, furnace clinker. MGR		0.05	279.36					
MADE GROUND: Light grey and black sandy angular fine to coarse gravel of shaly mudstone, siltstone, ironstone, slag and furnace clinker. Low to medium cobble content. Sand is fine to coarse. Cobbles are angular to subangular of shaly mudstone and siltstone. MGR		1.00	278.40					
MADE GROUND: (Drillers Description) MGR		2.00	277.40					
MUDSTONE/SILTSTONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		3.70	275.70					
VOID (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		4.70	274.70					
MUDSTONE/SILTSTONE (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM								

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
3.70	25.00	0		Water

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306105.88	Northing:	206866.63
Level:	279.40mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH15**

Sheet 2 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00	1.20	Inspection Pit	Hand Digging Tools	Apex Drilling Services	1.20	300	2.00	120	13/05	17:00	15.50	2.00	
0.00	1.00	Inspection Pit			25.00	120			14/05	17:00	25.00	2.00	
1.20	25.00	Rotary Open Hole	Klemm	Apex Drilling Services									

Scale: 1:50
Checked By: JC
Approved By: NB
Start Date: 13/05/2026
Finish Date: 14/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MUDSTONE/SILTSTONE (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM								
From 15.00m bgl no flush.								

11 12 13 14 15 16 17 18 19 20

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
3.70	25.00	0		Water

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306105.88	Northing:	206866.63
Level:	279.40mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH15**

Sheet 3 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00	1.20	Inspection Pit	Hand Digging Tools	Apex Drilling Services	1.20	300	2.00	120	13/05	17:00	15.50	2.00	
0.00	1.00	Inspection Pit			25.00	120			14/05	17:00	25.00	2.00	
1.20	25.00	Rotary Open Hole	Klemm	Apex Drilling Services									

Scale: 1:50
Checked By: JC
Approved By: NB
Start Date: 13/05/2026
Finish Date: 14/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MUDSTONE/SILTSTONE (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM								
EOH at 25.00m - Achieved target depth		25.00	254.40					

21
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29
30

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
3.70	25.00	0		Water

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306094.97	Northing:	206835.80
Level:	278.83mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH16**

Sheet 1 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00	1.00	Inspection Pit	Hand Excavation Tools	Apex Drilling Services	1.00	300	5.50	120	12/05	17:00	25.00	5.50	
1.00	25.00	Rotary Open Hole	Klemm	Apex Drilling Services	25.00	120							

Scale: 1:50
Checked By: JC
Approved By: NB
Start Date: 12/05/2026
Finish Date: 12/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MADE GROUND: Grass over brown slightly gravelly fine to coarse SAND with abundant rootlets upto 1mm. Gravel is angular to subangular fine to coarse of shaly mudstone, siltstone, slag, furnace clinker. MGR		0.05	278.78					
MADE GROUND: Light grey and black sandy angular fine to coarse gravel of shaly mudstone, siltstone, slag and furnace clinker.Low to medium cobble content. Sand is fine to coarse. Cobbles are angular to subangular of shaly mudstone and siltstone. MGR		1.00	277.83					
MADE GROUND: (Drillers Description) MGR								
MUDSTONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		5.50	273.33					
Very soft drilling - backfill working, lost returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		9.30	269.53					

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
9.30	13.40	0		Water
17.30	25.00	0		Water

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306094.97	Northing:	206835.80
Level:	278.83mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH16**

Sheet 2 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 1.00	1.00 25.00	Inspection Pit Rotary Open Hole	Hand Excavation Tools Klemm	Apex Drilling Services Apex Drilling Services	1.00 25.00	300 120	5.50	120	12/05	17:00	25.00	5.50	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	12/05/2026
Finish Date:	12/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
Very soft drilling - backfill working, lost returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM								
Normal Drilling - No returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		10.50	268.33					
MUDSTONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		13.40	265.43					
Very soft drilling - backfill working, lost returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		17.30	261.53					
Normal Drilling - No returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		17.80	261.03					

11 12 13 14 15 16 17 18 19 20

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
9.30 17.30	13.40 25.00	0 0		Water Water

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Hammer Information

Serial No.	Energy Ratio %

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306094.97	Northing:	206835.80
Level:	278.83mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH16**

Sheet 3 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00 1.00	1.00 25.00	Inspection Pit Rotary Open Hole	Hand Excavation Tools Klemm	Apex Drilling Services Apex Drilling Services	1.00 25.00	300 120	5.50	120	12/05	17:00	25.00	5.50	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	12/05/2026
Finish Date:	12/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
Normal Drilling - No returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM								
EOH at 25.00m - Achieved target depth		25.00	253.83					

21 22 23 24 25 26 27 28 29 30

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
9.30 17.30	13.40 25.00	0 0		Water Water

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Hammer Information

Serial No.	Energy Ratio %

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306098.74	Northing:	206809.69
Level:	278.79mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH17**

Sheet 1 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00	1.20	Inspection Pit	Hand Excavation Tools	Apex Drilling Services	1.20	300	4.50	120	11/05	17:00	12.00	4.50	
1.20	25.00	Rotary Open Hole	Klemm	Apex Drilling Services	25.00	120			12/05	17:00	25.00	4.50	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	11/05/2026
Finish Date:	12/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MADE GROUND: (Drillers description) MGR								
Grey MUDSTONE. (Drillers description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		1.20	277.59					
Black COAL. (Drillers description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		2.60 2.70	276.19 276.09					
Grey MUDSTONE. (Drillers description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								
Yellow SANDSTONE. (Drillers description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		6.80 7.00	271.99 271.79					
Grey MUDSTONE. (Drillers description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								
MUDSTONE: Soft drilling - lost flush. (Drillers description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		7.80 8.00	270.99 270.79					
Grey MUDSTONE. (Drillers description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
1.20	2.60	75	Grey	Water
2.60	2.70	75	Black	Water
2.70	4.40	75	Grey	Water

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Hammer Information

Serial No.	Energy Ratio %

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306098.74	Northing:	206809.69
Level:	278.79mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH17**

Sheet 2 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00	1.20	Inspection Pit	Hand Excavation Tools	Apex Drilling Services	1.20	300	4.50	120	11/05	17:00	12.00	4.50	
1.20	25.00	Rotary Open Hole	Klemm	Apex Drilling Services	25.00	120			12/05	17:00	25.00	4.50	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	11/05/2026
Finish Date:	12/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
Grey MUDSTONE. (Drillers description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								
		10.70	268.09					
VOID - Lost flush. (Drillers description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM								
		11.50	267.29					
Normal Drilling - No returns - loss of flush. (Drillers description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM								
		12.00	266.79					
MUDSTONE: Soft drilling. (Drillers description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		12.20	266.59					
MUDSTONE: Medium drilling. (Drillers description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								
		13.50	265.29					
MUDSTONE: Hard drilling. (Drillers description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								
		17.00	261.79					
MUDSTONE. (Drillers description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								
		17.50	261.29					
VOID- Loss of flush. (Drillers description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM								
		19.00	259.79					
MUDSTONE: Very soft drilling. (Drillers description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								
MUDSTONE: Hard drilling. (Drillers description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		19.80	258.99					

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
1.20	2.60	75	Grey	Water
2.60	2.70	75	Black	Water
2.70	4.40	75	Grey	Water

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Hammer Information

Serial No.	Energy Ratio %

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306098.74	Northing:	206809.69
Level:	278.79mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH17**

Sheet 3 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00	1.20	Inspection Pit	Hand Excavation Tools	Apex Drilling Services	1.20	300	4.50	120	11/05	17:00	12.00	4.50	
1.20	25.00	Rotary Open Hole	Klemm	Apex Drilling Services	25.00	120			12/05	17:00	25.00	4.50	

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	11/05/2026
Finish Date:	12/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MUDSTONE: Hard drilling. (Drillers description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		20.20	258.59					
MUDSTONE: Soft drilling. (Drillers description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		20.30	258.49					
MUDSTONE: Hard drilling. (Drillers description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								
EOH at 25.00m - Achieved target depth		25.00	253.79					

21 22 23 24 25 26 27 28 29 30

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
1.20	2.60	75	Grey	Water
2.60	2.70	75	Black	Water
2.70	4.40	75	Grey	Water

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Hammer Information

Serial No.	Energy Ratio %

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306099.98	Northing:	206916.00
Level:	279.52mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH18**

Sheet 1 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00	0.90	Inspection Pit	Klemm	Apex Drilling Services	0.90	300	7.50	120	19/05	17:00	25.00	7.50	
0.90	25.00	Rotary Open Hole	Klemm	Apex Drilling Services	25.00	120							

Scale: 1:50
Checked By: JC
Approved By: NB
Start Date: 19/05/2026
Finish Date: 19/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MADE GROUND: Very soft brown sandy slightly gravelly CLAY with abundant rootlets upto 1mm. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of shaly mudstone and siltstone. MGR		0.05	279.47					
MADE GROUND: Dark brown and light grey sandy angular fine to coarse gravel of shaly mudstone, siltstone clinker and slag with low to medium cobble content. Sand is fine to coarse. Cobbles are angular of slag, ironstained shaly mudstone and siltstone.. MGR		0.90	278.62					
CASED. (Drillers Description) MGR								
MUDSTONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		7.50	272.02					
COAL. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		9.80	269.72					
		10.00	269.52					

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
15.30	25.00	0		Water

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306099.98	Northing:	206916.00
Level:	279.52mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH18**

Sheet 2 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00	0.90	Inspection Pit	Klemm	Apex Drilling Services	0.90	300	7.50	120	19/05	17:00	25.00	7.50	
0.90	25.00	Rotary Open Hole	Klemm	Apex Drilling Services	25.00	120							

Scale: 1:50
Checked By: JC
Approved By: NB
Start Date: 19/05/2026
Finish Date: 19/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MUDSTONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								
VOID- Backfill working, lost returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		15.30	264.22					
Normal Drilling - No returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		16.20	263.32					
Very soft drilling - no drilling returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		18.40	261.12					
Normal drilling - No returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		19.00	260.52					

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
15.30	25.00	0		Water

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306099.98	Northing:	206916.00
Level:	279.52mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH18**

Sheet 3 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00	0.90	Inspection Pit	Klemm	Apex Drilling Services	0.90	300	7.50	120	19/05	17:00	25.00	7.50	
0.90	25.00	Rotary Open Hole	Klemm	Apex Drilling Services	25.00	120							

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	19/05/2026
Finish Date:	19/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
Normal drilling - No returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM								
EOH at 25.00m - Achieved target depth		25.00	254.52					

21 22 23 24 25 26 27 28 29 30

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
15.30	25.00	0		Water

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Hammer Information

Serial No.	Energy Ratio %

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306140.21	Northing:	207030.09
Level:	279.30mAOD	Depth:	25.50m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH19**

Sheet 1 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00	1.20	Inspection Pit	Klemm	Apex Drilling Services	1.20	300	1.75	120	19/05	14:00	25.50	1.75	
1.20	25.50	Rotary Open Hole	Klemm	Apex Drilling Services	25.50	120							

Scale: 1:50
Checked By: JC
Approved By: NB
Start Date: 19/05/2026
Finish Date: 19/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MADE GROUND: Grass over brown clayey slightly gravelly fine to fine SAND with abundant rootlets up to 1mm. Gravel is angular to subangular fine to coarse of shaly mudstone, siltstone, slag, furnace clinker. MGR		0.05	279.25					
MADE GROUND: Dark brown and light grey sandy angular fine to coarse gravel of shaly mudstone, siltstone, clinker and slag with low to medium cobble content. Sand is fine to coarse. Cobbles are angular of slag, ironstained shaly mudstone and siltstone.. MGR		0.90	278.40					
CASED: (Drillers Description) (PRESUMED MADE GROUND) MGR		1.75	277.55					
MUDSTONE/SILTSTONE (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								

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Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
13.50	15.00	0		Water

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306140.21	Northing:	207030.09
Level:	279.30mAOD	Depth:	25.50m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH19**

Sheet 2 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00	1.20	Inspection Pit	Klemm	Apex Drilling Services	1.20	300	1.75	120	19/05	14:00	25.50	1.75	
1.20	25.50	Rotary Open Hole	Klemm	Apex Drilling Services	25.50	120							

Scale: 1:50
Checked By: JC
Approved By: NB
Start Date: 19/05/2026
Finish Date: 19/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MUDSTONE/SILTSTONE (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								
VOID- Lost flush. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		13.50	265.80					
Very Soft (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		15.00	264.30					
MUDSTONE/SILTSTONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		17.50	261.80					

11 12 13 14 15 16 17 18 19 20

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
13.50	15.00	0		Water

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306140.21	Northing:	207030.09
Level:	279.30mAOD	Depth:	25.50m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH19**

Sheet 3 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00	1.20	Inspection Pit	Klemm	Apex Drilling Services	1.20	300	1.75	120	19/05	14:00	25.50	1.75	
1.20	25.50	Rotary Open Hole	Klemm	Apex Drilling Services	25.50	120							

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	19/05/2026
Finish Date:	19/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MUDSTONE/SILTSTONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								
EOH at 25.50m - Achieved target depth		25.50	253.80					

21 22 23 24 25 26 27 28 29 30

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
13.50	15.00	0		Water

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Hammer Information

Serial No.	Energy Ratio %

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306221.00	Northing:	207098.01
Level:	279.39mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH20**

Sheet 1 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00	0.80	Inspection Pit	Klemm	Apex Drilling Services	0.80	300	12.00	120	19/05	17:00	25.00	12.00	
0.80	25.00	Rotary Open Hole	Klemm	Apex Drilling Services	25.00	120							

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	19/05/2026
Finish Date:	19/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MADE GROUND: Grass over soft brown slightly sandy slightly gravelly CLAY with abundant rootlets upto 1mm. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of shaly mudstone, siltstone, slag, furnace clinker. MGR		0.05	279.34					
MADE GROUND: Brown and black gravelly fine to coarse sand with low to medium cobble content. Gravel is angular fine to coarse of shaly mudstone, siltstone, clinker and slag with low to medium cobble content. Sand is fine to coarse. Cobbles are angular of slag, ironstained shaly mudstone and siltstone. MGR		0.80	278.59					
CASED: (Drillers Description) MGR								

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Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
21.00	25.00	0		Water

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306221.00	Northing:	207098.01
Level:	279.39mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH20**

Sheet 2 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00	0.80	Inspection Pit	Klemm	Apex Drilling Services	0.80	300	12.00	120	19/05	17:00	25.00	12.00	
0.80	25.00	Rotary Open Hole	Klemm	Apex Drilling Services	25.00	120							

Scale: 1:50
Checked By: JC
Approved By: NB
Start Date: 19/05/2026
Finish Date: 19/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
CASED: (Drillers Description) MGR								
MUDSTONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		12.00	267.39					
VOID- Backfilled working, lost returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		18.50	260.89					

11 12 13 14 15 16 17 18 19 20

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
21.00	25.00	0		Water

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Hammer Information

Serial No.	Energy Ratio %

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306221.00	Northing:	207098.01
Level:	279.39mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH20**

Sheet 3 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00	0.80	Inspection Pit	Klemm	Apex Drilling Services	0.80	300	12.00	120	19/05	17:00	25.00	12.00	
0.80	25.00	Rotary Open Hole	Klemm	Apex Drilling Services	25.00	120							

Scale: 1:50
Checked By: JC
Approved By: NB
Start Date: 19/05/2026
Finish Date: 19/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
VOID- Backfilled working, lost returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM								
Normal Drilling - No returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM		21.00	258.39					
EOH at 25.00m - Achieved target depth		25.00	254.39					

21 22 23 24 25 26 27 28 29 30

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
21.00	25.00	0		Water

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Hammer Information

Serial No.	Energy Ratio %

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306257.99	Northing:	207088.97
Level:	280.20mAOD	Depth:	7.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH21**

Sheet 1 of 1

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00	1.20	Inspection Pit	Hand Excavation Tools	Apex Drilling Services	1.20	300	1.75	120	19/05	16:30	7.00	1.75	
1.20	7.00	Rotary Open Hole	Klemm	Apex Drilling Services	7.00	120							

Scale: 1:50
Checked By: JC
Approved By: NB
Start Date: 19/05/2026
Finish Date: 19/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MADE GROUND: Grass over soft brown slightly sandy slightly gravelly CLAY with abundant rootlets upto 1mm. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of shaly mudstone, siltstone, slag, furnace clinker. MGR		0.10	280.10					
MADE GROUND: Yellowish brown to black sandy angular fine to coarse gravel of shaly mudstone, siltstone, clinker and slag with low cobble content. Sand is fine to coarse. Gravel is angular fine to coarse. Cobbles are angular of slag, ironstained shaly mudstone and siltstone. MGR		0.70	279.50					
CASED (Drillers Description) (PRESUMED MADE GROUND) MGR		1.75	278.45					
MADE GROUND: (Drillers Description) MGR								
EOH at 7.00m - Terminated due to obstruction		7.00	273.20					

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306260.05	Northing:	207088.82
Level:	280.21mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH21A**

Sheet 1 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00	1.20	Inspection Pit	Hand Excavation Tools	Apex Drilling Services	1.20	300	1.50	120	20/05	17:00	25.00	1.50	
1.20	25.00	Rotary Open Hole	Klemm	Apex Drilling Services	25.00	120							

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	20/05/2026
Finish Date:	20/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
CASED (Drillers Description) (PRESUMED MADE GROUND) MGR								
MADE GROUND: (Drillers Description) MGR		1.50	278.71					

1 2 3 4 5 6 7 8 9 10

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
18.00	25.00	0		Water

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306260.05	Northing:	207088.82
Level:	280.21mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH21A**

Sheet 2 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00	1.20	Inspection Pit	Hand Excavation Tools	Apex Drilling Services	1.20	300	1.50	120	20/05	17:00	25.00	1.50	
1.20	25.00	Rotary Open Hole	Klemm	Apex Drilling Services	25.00	120							

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	20/05/2026
Finish Date:	20/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MADE GROUND: (Drillers Description) MGR								
MUDSTONE/SILTSTONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		15.00	265.21					
From 18.00m to 19.00m bgl soft ground borehole collapsing.								

11 12 13 14 15 16 17 18 19 20

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
18.00	25.00	0		Water

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Hammer Information

Serial No.	Energy Ratio %

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306260.05	Northing:	207088.82
Level:	280.21mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH21A**

Sheet 3 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00	1.20	Inspection Pit	Hand Excavation Tools	Apex Drilling Services	1.20	300	1.50	120	20/05	17:00	25.00	1.50	
1.20	25.00	Rotary Open Hole	Klemm	Apex Drilling Services	25.00	120							

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	20/05/2026
Finish Date:	20/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MUDSTONE/SILTSTONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								
EOH at 25.00m - Achieved target depth		25.00	255.21					

21 22 23 24 25 26 27 28 29 30

Observations / Remarks

1. Location cleared with GPR and CAT 4+ by Safe Dig Ltd.
2, Position re-scanned every 300mm by TT engineer to 1.20m bgl or refusal.
3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type
18.00	25.00	0		Water

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306174.00	Northing:	207123.01
Level:	278.74mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH22**

Sheet 1 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00	0.80	Inspection Pit	Hand Excavation Tools	Apex Drilling Services	0.80	300	12.00	120	20/05	17:00	25.00	12.00	
0.80	25.00	Rotary Open Hole	Klemm	Apex Drilling Services	25.00	120							

Scale:	1:50
Checked By:	JC
Approved By:	NB
Start Date:	20/05/2026
Finish Date:	20/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
MADE GROUND: Grass over soft dark brown slightly sandy CLAY with abundant rootlets upto 1mm. Sand is fine to coarse. MGR		0.05	278.69					
MADE GROUND: Firm dark brown sandy slightly gravelly clay with low cobble content. Sand is fine to coarse. Gravel is angular fine to coarse of slag, ironstained shaly mudstone, siltstone and bits of coal. Cobbles are angular of ironstained shaly mudstone, ironstone and siltstone. MGR		0.70	278.04					
CASED: (Drillers Description) MGR								

1 2 3 4 5 6 7 8 9 10

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3. Location reinstated as instructed by WSP.
4. No groundwater strike encountered
5. Location cased to top of bedrock.

Flushing

From (m)	To (m)	Return Min %	Colour	Type

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details			
Easting:	306174.00	Northing:	207123.01
Level:	278.74mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH22**

Sheet 2 of 3

Method, Plant and Crew					Diameter		Casing		Drilling Progress by Time				
From (m)	To (m)	Type	Plant Used	Crew	Depth (m)	Diam (mm)	Depth(m)	Diam (mm)	Date	Time	Depth (m)	Casing (m)	Water (m)
0.00	0.80	Inspection Pit	Hand Excavation Tools	Apex Drilling Services	0.80	300	12.00	120	20/05	17:00	25.00	12.00	
0.80	25.00	Rotary Open Hole	Klemm	Apex Drilling Services	25.00	120							

Scale: 1:50
Checked By: JC
Approved By: NB
Start Date: 20/05/2026
Finish Date: 20/05/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Inst / Backfill	Samples, Tests and Rotary Coring: Depth (m)	Ref	Tests / Results
CASED: (Drillers Description) MGR								
MADE GROUND: (Drillers Description) MGR		12.00	266.74					
MUDSTONE/SILTSTONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		13.70	265.04					

11 12 13 14 15 16 17 18 19 20

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Flushing

From (m)	To (m)	Return Min %	Colour	Type

Hammer Information

Serial No.	Energy Ratio %

Groundwater

Strike (m)	Casing (m)	Sealed (m)	Time (min)	Rose To (m)	Remarks

Project Number: **784-B077402**