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 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	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
MUDSTONE/SILTSTONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM								
EOH at 25.00m - Achieved target depth		25.00	253.74					

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:	306152.20	Northing:	207135.15
Level:	278.90mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH23**

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	0.50	Inspection Pit	Hand Excavation Tools	Apex Drilling Services	0.50	300	12.00	120	20/05	17:00	25.00	12.00	
0.50	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	278.85					
MADE GROUND: Firm dark brown slightly sandy slightly gravelly clay. Sand is fine to coarse. Gravel is angular fine to coarse of slag, ironstained shaly mudstone, siltstone and bits of coal. MGR		0.45	278.45					
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

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:	306152.20	Northing:	207135.15
Level:	278.90mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH23**

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	0.50	Inspection Pit	Hand Excavation Tools	Apex Drilling Services	0.50	300	12.00	120	20/05	17:00	25.00	12.00	
0.50	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	266.90					
MUDSTONE/SILTSTONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		15.00	263.90					

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:	306152.20	Northing:	207135.15
Level:	278.90mAOD	Depth:	25.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH23**

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 0.50	0.50 25.00	Inspection Pit Rotary Open Hole	Hand Excavation Tools Klemm	Apex Drilling Services Apex Drilling Services	0.50 25.00	300 120	12.00	120	20/05	17:00	25.00	12.00	

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	253.90					

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:	306331.00	Northing:	207154.00
Level:	280.84mAOD	Depth:	30.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH24**

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	Inspection Pit	Hand Excavation Tools	Apex Drilling Services	0.60	300	6.00	120	19/05	17:00	30.00	6.00	
0.60	30.00	Rotary Open Hole	Klemm	Apex Drilling Services	30.00	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 up to 1mm. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of shaly mudstone, siltstone, slag, furnace clinker. MGR		0.05	280.79					
MADE GROUND: Firm dark brown slightly sandy slightly gravelly clay with low cobble content. Sand is fine to coarse. Gravel is angular fine to coarse of shaly mudstone, siltstone, clinker and slag. Cobbles are angular of slag, ironstained shaly mudstone and siltstone. MGR		0.70	280.14					
CASED: (Drillers Description) MGR								
MADE GROUND: (Drillers Description) MGR		6.00	274.84					

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
23.00	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:	306331.00	Northing:	207154.00
Level:	280.84mAOD	Depth:	30.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH24**

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	Inspection Pit	Hand Excavation Tools	Apex Drilling Services	0.60	300	6.00	120	19/05	17:00	30.00	6.00	
0.60	30.00	Rotary Open Hole	Klemm	Apex Drilling Services	30.00	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: (Drillers Description) MGR								
MUDSTONE. (Drillers Description) (SOUTH WALES LOWER COAL MEASURES) SWLCM		12.30	268.54					

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
23.00	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:	306331.00	Northing:	207154.00
Level:	280.84mAOD	Depth:	30.00m
Logger:	IR	Type:	RO
		Inclination:	90°

Status: FINAL

Borehole Number: **BHOH24**

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	Inspection Pit	Hand Excavation Tools	Apex Drilling Services	0.60	300	6.00	120	19/05	17:00	30.00	6.00	
0.60	30.00	Rotary Open Hole	Klemm	Apex Drilling Services	30.00	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								
		21.70	259.14					
VOID- Backfill working, no returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM								
		23.00	257.84					
Soft drilling - no drilling returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM								
		24.40	256.44					
Normal Drilling - No returns. (Drillers Description) (PRESUMED SOUTH WALES LOWER COAL MEASURES) SWLCM *Elevated gas concentration* *CH4 - 0.1%* *CO2 - 0.1%* *O2 - 19.1%* *CO - 61ppm* *H2S - 135ppm* *Balance - 80.8%*								
EOH at 30.00m - Achieved target depth		30.00	250.84					

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
23.00	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: 306340.03 Northing: 207143.02

Level: 281.08mAOD Depth: 2.00m

Logger: EM Type: TP

Ordnance Survey Great Britain National Grid

Status: FINAL

Pit Number: **TP501**

Sheet 1 of 1

Hole Information

Pit Dimensions: 2.70m x 0.70m

Orientation: 274°

Shoring: None

Stability: Stable

Plant: JCB 3CX

Groundwater

Strike (m)	Rose To (m)	After (mins)	Remarks

Scale: 1:25

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)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Very soft greyish brown slightly sandy slightly gravelly CLAY with low cobble content. Gravel is angular to subrounded fine to coarse of siltstone, mudstone, sandstone and quartzite. Cobbles are subangular to subrounded of mudstone, siltstone and sandstone. with frequent rootlets. Sands are fine to coarse. (TOPSOIL)						0.00 - 0.20	B	HV 0.05m, (p)=27 kPa (r)=11 kPa
						0.10	D	PID 0.10m, 0.0ppm
						0.10	ES	
		0.20	280.88			0.20 - 1.20	B	
MGR Very stiff brown slightly sandy slightly gravelly CLAY. Gravel is subangular to well rounded fine to coarse of limestone, siltstone, mudstone and mills stone grit. Sand is fine to coarse. GLACIAL TILL TILL						0.50	D	PID 0.50m, 0.0ppm
						0.50	ES	
						1.20 - 1.80	B	
						1.50	D	PID 1.50m, 0.0ppm
						1.50	ES	
EOH at 2.00m - Target depth achieved		2.00	279.08					

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.

Hodge House, 114-116 St Mary Street, Cardiff, CF10 1DY

029 2082 9200

Project Number

784-B077402

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details

Easting: 306274.96 Northing: 207090.94

Level: 280.38mAOD Depth: 2.00m

Logger: EM Type: TP

Ordnance Survey Great Britain National Grid

Status: FINAL

Pit Number: **TP502**

Sheet 1 of 1

Hole Information

Pit Dimensions: 2.70m x 0.70m

Orientation: 178°

Shoring: None

Stability: Stable

Plant: JCB 3CX

Groundwater

Strike (m)	Rose To (m)	After (mins)	Remarks

Scale: 1:25

Checked By: JC + DD

Approved By: NB

Start Date: 19/03/2026

Finish Date: 19/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Dark brownish grey clayey silty gravelly SAND with low cobble content. Gravel is angular to subrounded fine to coarse of siltstone and mudstone. Cobbles are subangular to subrounded of mudstone and siltstone with frequent rootlets. Sand is fine to coarse. (TOPSOIL) MGR		0.20	280.18			0.00 - 0.20 0.10 0.10 0.20 - 1.20	B D ES B	HV 0.05m, (p)=22 kPa (r)=10 kPa
MADE GROUND: Grey mottled light orangish brown silty sandy GRAVEL with high cobble content. Gravel is very angular to subangular fine to coarse of slag concrete millstone grit siltstone and mudstone. Cobbles are angular to subangular of siltstone mudstone slag and millstone grit. Sand is fine to coarse. MGR		1.40	278.98			0.50 0.50 1.20 1.40 - 2.00	D ES ES B	PID 0.50m, 1.0ppm PID 1.20m, 0.0ppm
MADE GROUND: Grey mottled dark brownish grey silty sandy GRAVEL with high cobble content. Gravel is angular to subangular fine to coarse of siltstone and mudstone. Cobbles are angular to subangular of siltstone and mudstone. Sand is fine to coarse. MGR		2.00	278.38			1.50 1.80	D ES	PID 1.50m, 0.0ppm HV 1.80m, (p)=12 kPa (r)=6 kPa
EOH at 2.00m - Target depth achieved								

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.

Hodge House, 114-116 St Mary Street, Cardiff, CF10 1DY

029 2082 9200

Project Number: **784-B077402**

TETRA TECH	Project: **Goat Mill Road** Location: **Merthyr Tydfil** Client: **Merthyr Tydfil County Borough Council**	Location Details Easting: 306310.99 Northing: 207076.02 Level: 281.00mAOD Depth: 0.50m Logger: EM Type: TP Ordnance Survey Great Britain National Grid	Status FINAL	Pit Number **TP503** Sheet 1 of 1

Hole Information		Groundwater				Scale: 1:25
Pit Dimensions	Orientation: 8°	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: JC + DD
0.60m / 2.10m	Shoring: None	0.30	0.30	20		Approved By: NB
	Stability: Stable					Start Date: 19/03/2026
	Plant: JCB 14t 360					Finish Date: 19/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Dark brownish grey clayey silty sandy GRAVEL with low cobble content. Gravel is angular to subangular fine to coarse of slag siltstone and mudstone with frequent rootlets. Sand is fine to coarse. (TOPSOIL) MGR		0.15	280.85			0.00 - 0.15 0.10 0.10 0.15 - 0.50	B D ES B	PID 0.10m, 0.0ppm
MADE GROUND: Brownish grey sandy GRAVEL with high cobble content. Gravel is very angular to subangular fine to coarse of slag mudstone and siltstone. Cobbles are angular of slag. Sand is fine to coarse. MGR		0.50	280.50			0.50 0.50	D ES	PID 0.50m, 0.0ppm
EOH at 0.50m - Location terminated due to water ingress								

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.

Hodge House, 114-116 St Mary Street, Cardiff, CF10 1DY

029 2082 9200

Project Number

784-B077402

TETRA TECH	Project: **Goat Mill Road** Location: **Merthyr Tydfil** Client: **Merthyr Tydfil County Borough Council**	Location Details Easting: 306270.00 Northing: 207040.98 Level: 280.82mAOD Depth: 0.70m Logger: EM Type: TP Ordnance Survey Great Britain National Grid	Status FINAL	Pit Number **TP504** Sheet 1 of 1

Hole Information		Groundwater				
Pit Dimensions	Orientation: 2°	Strike (m)	Rose To (m)	After (mins)	Remarks	Scale: 1:25
0.60m / 2.60m	Shoring: None					Checked By: JC + DD
	Stability: Stable					Approved By: NB
	Plant: JCB 3CX					Start Date: 11/03/2026
						Finish Date: 11/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Grey slightly silty slightly sandy GRAVEL with high cobble content. Gravel is very angular to subrounded fine to coarse of siltstone and mudstone. Cobbles are subangular of mudstone and siltstone. Sand is fine to coarse. MGR						0.00 - 0.70	B	
						0.10	D	PID 0.10m, 0.0ppm
						0.10	ES	
						0.60	D	PID 0.60m, 0.0ppm
						0.60	ES	
EOH at 0.70m - Located terminated due to refusal		0.70	280.12					

1
2
3
4
5

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.

Hodge House, 114-116 St Mary Street, Cardiff, CF10 1DY

029 2082 9200

Project Number

784-B077402

TETRA TECH

Project:	**Goat Mill Road**	Location Details	Status
Location:	**Merthyr Tydfil**	Easting: 306103.89 Northing: 207004.05	FINAL
Client:	**Merthyr Tydfil County Borough Council**	Level: 279.14mAOD Depth: 1.40m	Pit Number **TP505**
		Logger: EM Type: TP	Sheet 1 of 1
		Ordnance Survey Great Britain National Grid	

Hole Information		Groundwater				Scale: 1:25
Pit Dimensions	Orientation: 313False187°	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: JC + DD
0.70m / 2.30m	Shoring: None					Approved By: NB
	Stability: Stable					Start Date: 25/03/2026
	Plant: JCB 3CX					Finish Date: 25/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Dark brownish grey clayey slightly gravelly SAND with low cobble content. Gravel is very angular to subrounded fine to coarse of sandstone, siltstone and mudstone. Cobbles are angular to subrounded of siltstone and mudstone, with frequent rootlets. Sand is fine to coarse. MGR		0.15	278.99			0.00 - 0.15	B	
						0.10	D	PID 0.10m, 0.0ppm
						0.10	ES	
						0.15 - 1.15	B	
MADE GROUND: Soft grey slightly sandy slightly gravelly CLAY. Gravel is very angular to subangular fine to coarse of siltstone and mudstone. Sand is fine to coarse. MGR						0.50	ES	PID 0.50m, 0.0ppm
						1.10	D	
						1.20	ES	PID 1.20m, 0.0ppm
EOH at 1.40m - Located terminated due to refusal		1.40	277.74					

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.

Hodge House, 114-116 St Mary Street, Cardiff, CF10 1DY

029 2082 9200

Project Number

784-B077402

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details

Easting: 306142.52 Northing: 207046.47

Level: 279.31mAOD Depth: 2.00m

Logger: EM Type: TP

Ordnance Survey Great Britain National Grid

Status: FINAL

Pit Number: **TP506**

Sheet 1 of 1

Hole Information

Pit Dimensions: 2.35m x 0.70m

Orientation: °

Shoring: None

Stability: unstable from 0.70m all sides

Plant: JCB 14t 360

Groundwater

Strike (m)	Rose To (m)	After (mins)	Remarks

Scale: 1:25

Checked By: JC + DD

Approved By: NB

Start Date: 19/03/2026

Finish Date: 19/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Greyish brown clayey silty gravelly SAND with low cobble content. Gravel is very angular to subangular fine to coarse mudstone and siltstone. Cobbles are angular to subangular of siltstone and mudstone with frequent rootlets. Sand is fine to coarse (TOPSOIL) MGR						0.00 - 0.25	B	
						0.10	D	PID 0.10m, 0.0ppm
						0.10	ES	
		0.25	279.06			0.25 - 0.70	B	
MADE GROUND: Soft dark grey slightly sandy slightly gravelly CLAY with medium cobble content. Gravel is very angular to angular fine to coarse of mudstone. Cobbles are angular to subangular of mudstone. Sand is fine to coarse MGR								
						0.60	D	PID 0.60m, 0.0ppm
						0.60	ES	
		0.70	278.61			0.70 - 2.00	B	
MADE GROUND: Grey mottled dark grey silty sandy GRAVEL. Gravel is very angular to angular fine to coarse of mudstone. Sand is fine to coarse. MGR								
						1.60	D	PID 1.60m, 0.0ppm
						1.60	ES	
EOH at 2.00m - Target depth achieved		2.00	277.31					

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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. ES= Environmental Sample, B=Bulk Disturbed Sample, D= Small Disturbed Sample
4. Location reinstated as instructed by WSP.

Hodge House, 114-116 St Mary Street, Cardiff, CF10 1DY

029 2082 9200

Project Number

784-B077402

TETRA TECH

Project:	**Goat Mill Road**	Location Details	Status
Location:	**Merthyr Tydfil**	Easting: 306188.02 Northing: 207037.04	FINAL
Client:	**Merthyr Tydfil County Borough Council**	Level: 279.59mAOD Depth: 0.45m	Pit Number **TP507**
		Logger: EM Type: TP	Sheet 1 of 1
		Ordnance Survey Great Britain National Grid	

Hole Information		Groundwater				Scale: 1:25
Pit Dimensions	Orientation: 12°	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: JC + DD
0.70m / 2.50m	Shoring: None					Approved By: NB
	Stability: Stable					Start Date: 19/03/2026
	Plant: JCB 14t 360					Finish Date: 19/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Dark grey clayey silty gravelly SAND with low cobble content. Gravel is very angular to subangular fine to coarse mudstone and siltstone. Cobbles are angular to subangular of mudstone and siltstone with occasional rootlets. Sand is fine to coarse. (TOPSOIL)						0.00 - 0.30	B	
						0.10	D	PID 0.10m, 0.0ppm
						0.10	ES	
MGR		0.30	279.29			0.30 - 0.45	B	
MADE GROUND: Light yellowish brown mottled orangish grey silty gravelly SAND with high cobble content. Gravel is very angular to angular fine to coarse of siltstone and sandstone. Cobbles are angular of sandstone and siltstone. Sand is fine to coarse.						0.40	D	PID 0.40m, 0.0ppm
MGR		0.45	279.14			0.40	ES	
EOH at 0.45m - Located terminated due to refusal								

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.

Hodge House, 114-116 St Mary Street, Cardiff, CF10 1DY

029 2082 9200

Project Number

784-B077402

TETRA TECH	Project: **Goat Mill Road** Location: **Merthyr Tydfil** Client: **Merthyr Tydfil County Borough Council**	Location Details Easting: 306129.00 Northing: 206924.78 Level: 279.91mAOD Depth: 1.95m Logger: EM Type: TP Ordnance Survey Great Britain National Grid	Status FINAL	Pit Number **TP508** Sheet 1 of 1

Hole Information		Groundwater				Scale: 1:25
Pit Dimensions	Orientation: 296°	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: JC + DD
0.70m / 2.55m	Shoring: None					Approved By: NB
	Stability: Stable					Start Date: 25/03/2026
	Plant: JCB 3CX					Finish Date: 25/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Grey slightly silty slightly sandy GRAVEL with high cobble content. Gravel is very angular to subrounded fine to coarse of sandstone siltstone and mudstone. Cobbles are angular to subrounded of siltstone and mudstone. Sand is fine to coarse. MGR						0.00 - 0.15	B	
						0.10	D	PID 0.10m, 0.0ppm
						0.10	ES	
						0.15 - 1.15	B	
						0.50	ES	PID 0.50m, 0.0ppm
						1.10	D	
						1.15 - 1.95	B	
MADE GROUND: Dark grey mottled orangish brown sandy GRAVEL with high cobble content with high boulder content. Gravel is very angular to subangular fine to coarse of siltstone and mudstone. Cobbles and boulders are angular of mudstone and siltstone. Sand is fine to coarse MGR		1.20	278.71			1.20	ES	PID 1.20m, 0.0ppm
EOH at 1.95m - Location terminated on suspected bedrock		1.95	277.96					

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.

Hodge House, 114-116 St Mary Street, Cardiff, CF10 1DY

029 2082 9200

Project Number

784-B077402

TETRA TECH

Project:	**Goat Mill Road**
Location:	**Merthyr Tydfil**
Client:	**Merthyr Tydfil County Borough Council**

Location Details

Easting: 306202.00 Northing: 206918.01
Level: 280.84mAOD Depth: 0.60m
Logger: EM Type: TP
Ordnance Survey Great Britain National Grid

Status

FINAL

Pit Number

TP509

Sheet 1 of 1

Hole Information

Pit Dimensions: 2.10m x 0.60m

Orientation: 17°
Shoring: None
Stability: Poor at water level
Plant: JCB 3CX

Groundwater

Strike (m)	Rose To (m)	After (mins)	Remarks
0.50	0.50	30	

Scale: 1:25
Checked By: JC + DD
Approved By: NB
Start Date: 11/03/2026
Finish Date: 11/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Dark greyish brown clayey silty gravelly SAND with low cobble content. Gravel angular to subrounded fine to coarse of sandstone siltstone and mudstone. Cobbles are angular of mudstone and siltstone with frequent rootlets. Sand is fine to coarse. MGR		0.05	280.79			0.00 - 0.05 0.05 - 0.60 0.20 0.20	B B D ES	 PID 0.20m, 0.0ppm
MADE GROUND: Grey slightly silty slightly sandy GRAVEL with high cobble content. Gravel is very angular to angular fine to coarse of siltstone, mudstone and sandstone. Cobbles are angular to subrounded of mudstone siltstone slag and ironstone. Sand is fine to coarse MGR *colour change to light yellowish brown.*		0.60	280.24			0.50 0.50	D ES	PID 0.50m, 0.0ppm
EOH at 0.60m - Location terminated due to poor pit stability								

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.

Hodge House, 114-116 St Mary Street, Cardiff, CF10 1DY

029 2082 9200

Project Number

784-B077402

TETRA TECH

Project:	**Goat Mill Road**	Location Details	Status
Location:	**Merthyr Tydfil**	Easting: 306248.97 Northing: 206899.94	FINAL
Client:	**Merthyr Tydfil County Borough Council**	Level: 281.38mAOD Depth: 2.00m	Pit Number **TP510**
		Logger: EM Type: TP	Sheet 1 of 1
		Ordnance Survey Great Britain National Grid	

Hole Information		Groundwater				Scale: 1:25
Pit Dimensions	Orientation: 240°	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: JC + DD
0.60m / 2.60m	Shoring: None					Approved By: NB
	Stability: Stable					Start Date: 12/03/2026
	Plant: JCB 3CX					Finish Date: 12/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Dark greyish brown clayey silty gravelly SAND with high cobble content with medium boulder content. Gravel is angular to subrounded fine to coarse of siltstone and mudstone. Cobbles are angular of mudstone and siltstone with frequent rootlets. Sand is fine to coarse. MGR		0.10	281.28			0.00 - 0.10 0.10 0.10 0.10 - 1.00	B D ES B	PID 0.10m, 0.0ppm
MADE GROUND: Dark grey clayey silty sandy GRAVEL with high cobble content with high boulder content. Gravel is very angular to subangular fine to coarse of siltstone brick slag clinker and mudstone. Cobbles are angular to subangular of siltstone slag brick and mudstone. Boulders are angular to subrounded fine to coarse of siltstone slag and mudstone. Sand is fine to coarse MGR						0.50 1.00 1.00 - 2.00 1.20	ES D B ES	PID 0.50m, 0.0ppm PID 1.20m, 0.0ppm
EOH at 2.00m - Target depth achieved		2.00	279.38			2.00 2.00	D ES	PID 2.00m, 0.0ppm

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.

Hodge House, 114-116 St Mary Street, Cardiff, CF10 1DY

029 2082 9200

Project Number

784-B077402

TETRA TECH

Project:	**Goat Mill Road**	Location Details	Status
Location:	**Merthyr Tydfil**	Easting: 306120.28 Northing: 206850.80	FINAL
Client:	**Merthyr Tydfil County Borough Council**	Level: 279.28mAOD Depth: 2.10m	Pit Number **TP511**
		Logger: EM Type: TP	Sheet 1 of 1
		Ordnance Survey Great Britain National Grid	

HEINI MERTHYR TUDFUL
ACTIVE MERTHYR TYDFIL

Hole Information		Groundwater				Scale: 1:25
Pit Dimensions	Orientation: 18°	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: JC + DD
0.80m / 2.20m	Shoring: None					Approved By: NB
	Stability: Stable					Start Date: 25/03/2026
	Plant: JCB 3CX					Finish Date: 25/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Dark brownish grey clayey slightly gravelly SAND with low cobble content. Gravel is very angular to subrounded fine to coarse of sandstone siltstone and mudstone. Cobbles are angular to subrounded of siltstone and mudstone with frequent rootlets. Sand is fine to coarse. (TOPSOIL) MGR						0.00 - 0.25	B	
						0.10	D	PID 0.10m, 0.0ppm
						0.10	ES	
		0.25	279.03			0.25 - 1.25	B	
MADE GROUND: Grey silty sandy GRAVEL. Gravel is very angular to subangular fine to coarse of slag clinker siltstone and mudstone. Sand is fine to coarse. MGR								
						0.50	ES	PID 0.50m, 0.0ppm
						1.10	D	
						1.20	ES	PID 1.20m, 0.0ppm
						1.25 - 2.10	B	
EOH at 2.10m - Target depth achieved		2.10	277.18					

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.

Hodge House, 114-116 St Mary Street, Cardiff, CF10 1DY

029 2082 9200

Project Number

784-B077402

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details

Easting: 306129.42 Northing: 206788.85

Level: 279.04mAOD Depth: 1.80m

Logger: EM Type: TP

Ordnance Survey Great Britain National Grid

Status: FINAL

Pit Number: **TP512**

Sheet 1 of 1

Hole Information

Pit Dimensions: 2.70m x 0.80m

Orientation: 14°

Shoring: None

Stability: Poor

Plant: JCB 3CX

Groundwater

Strike (m)	Rose To (m)	After (mins)	Remarks
1.20	1.20	20	

Scale: 1:25

Checked By: JC + DD

Approved By: NB

Start Date: 12/03/2026

Finish Date: 12/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Dark greyish brown clayey silty gravelly SAND with high cobble content with medium boulder content. Gravel is angular to subrounded fine to coarse of siltstone and mudstone. Cobbles are angular of mudstone and siltstone with frequent rootlets. Sand is fine to coarse. MGR *rare hard plastic material noted*		0.20	278.84			0.00 - 0.20 0.10 0.10 0.20 - 1.20	B D ES B	PID 0.10m, 0.0ppm
MADE GROUND: Grey silty sandy GRAVEL with high cobble content. Gravels are very angular to subangular fine to coarse of siltstone and mudstone. Cobbles are angular to subangular of siltstone and mudstone. Sand is fine to coarse. MGR						0.50 1.10 1.20 1.20 - 1.80	ES D ES B	PID 0.50m, 0.0ppm PID 1.20m, 0.0ppm
EOH at 1.80m - Location terminated due to poor pit stability		1.80	277.24			1.80 1.80	D ES	PID 1.80m, 0.0ppm

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.

Hodge House, 114-116 St Mary Street, Cardiff, CF10 1DY

029 2082 9200

Project Number

784-B077402

TETRA TECH

Project:	**Goat Mill Road**	Location Details	Status
Location:	**Merthyr Tydfil**	Easting: 306229.10 Northing: 206803.28	FINAL
Client:	**Merthyr Tydfil County Borough Council**	Level: 280.08mAOD Depth: 1.50m	Pit Number **TP513**
		Logger: EM Type: TP	Sheet 1 of 1
		Ordnance Survey Great Britain National Grid	

Hole Information		Groundwater				Scale: 1:25
Pit Dimensions	Orientation: 105°	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: JC + DD
0.70m / 2.70m	Shoring: None					Approved By: NB
	Stability: Stable					Start Date: 26/03/2026
	Plant: JCB 3CX					Finish Date: 26/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Dark greyish brown gravelly SAND with low cobble content. Gravel is subangular fine to coarse of siltstone mudstone concrete and slag. Cobbles are subangular of concrete slag siltstone and mudstone with frequent rootlets. Sand is fine to coarse. MGR		0.15	279.93			0.00 - 0.15 0.10 0.10 0.15 - 1.15	B D ES B	PID 0.10m, 0.0ppm
MADE GROUND: Grey silty sandy GRAVEL with high cobble content. Gravel is very angular to subangular fine to coarse of slag clinker siltstone and mudstone. Cobbles are angular of mudstone and siltstone. Sand is fine to coarse. MGR						0.50 0.50	D ES	PID 0.50m, 0.0ppm
						1.20	ES	PID 1.20m, 0.0ppm
EOH at 1.50m - Location terminated on suspected bedrock		1.50	278.58			1.50	D	

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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. ES= Environmental Sample, B=Bulk Disturbed Sample, D= Small Disturbed Sample
4. Location reinstated as instructed by WSP.

Hodge House, 114-116 St Mary Street, Cardiff, CF10 1DY

029 2082 9200

Project Number

784-B077402

TETRA TECH

Project:	**Goat Mill Road**	Location Details	Status
Location:	**Merthyr Tydfil**	Easting: 306187.98 Northing: 206728.82	FINAL
Client:	**Merthyr Tydfil County Borough Council**	Level: 279.28mAOD Depth: 2.00m	Pit Number **TP514**
		Logger: EM Type: TP	Sheet 1 of 1
		Ordnance Survey Great Britain National Grid	

Hole Information		Groundwater				Scale: 1:25
Pit Dimensions	Orientation: 293°	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: JC + DD
0.80m / 2.60m	Shoring: None					Approved By: NB
	Stability: Poor stability at 0.90m					Start Date: 17/03/2026
	Plant: JCB 3CX					Finish Date: 17/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Dark greyish brown clayey silty gravelly SAND with low cobble content. Gravel is very angular to subrounded fine to coarse of quartzite siltstone slag and mudstone. Cobbles are angular to subangular of siltstone and mudstone with frequent rootlets. Sand is fine to coarse. MGR		0.20	279.08			0.00 - 0.20 0.10 0.10 0.20 - 0.90	B D ES B	PID 0.10m, 0.0ppm
MADE GROUND: Grey silty sandy GRAVEL with high cobble content. Gravel is very angular to subrounded fine to coarse of slag siltstone clinker glass and mudstone. Cobbles are subangular to subrounded of slag siltstone and mudstone. Sand is fine to coarse. MGR *Switched to toothed bucket.*		0.90	278.38			0.50 0.50 0.90 - 2.00	D ES B	PID 0.50m, 0.0ppm
MADE GROUND: Grey slightly sandy GRAVEL with high cobble content. Gravel is very angular to subrounded fine to coarse of slag siltstone clinker glass and mudstone. Sand of ash is fine to coarse. MGR						1.50 1.50	D ES	PID 1.50m, 0.0ppm
EOH at 2.00m - Target depth achieved		2.00	277.28					

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. ES= Environmental Sample, B=Bulk Disturbed Sample, D= Small Disturbed Sample
4. Location reinstated as instructed by WSP.

Hodge House, 114-116 St Mary Street, Cardiff, CF10 1DY

029 2082 9200

Project Number

784-B077402

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details

Easting: 306214.61 Northing: 206679.31

Level: 279.40mAOD Depth: 1.30m

Logger: EM Type: TP

Ordnance Survey Great Britain National Grid

Status: FINAL

Pit Number: **TP515**

Sheet 1 of 1

Hole Information

Pit Dimensions: 2.70m x 0.70m

Orientation: 345°

Shoring: None

Stability: Stable

Plant: JCB 3CX

Groundwater

Strike (m)	Rose To (m)	After (mins)	Remarks

Scale: 1:25

Checked By: JC + DD

Approved By: NB

Start Date: 11/03/2026

Finish Date: 11/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Grey silty sandy GRAVEL. Gravel is very angular to subangular fine to coarse of siltstone slag and mudstone. Sand is fine to coarse. MGR *rare rootlets*						0.00 - 0.80 0.10 0.10	B D ES	PID 0.10m, 0.0ppm
Dark grey thinly laminated MUDSTONE. Recovered as angular to subangular GRAVEL of mudstone with cobbles of the same. (SOUTH WALES LOWER COAL MEASURES) SWLCM		0.60	278.80			0.60 0.60	D ES	PID 0.60m, 0.0ppm
EOH at 1.30m - Location terminated due to refusal		1.30	278.10					

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.

Hodge House, 114-116 St Mary Street, Cardiff, CF10 1DY

029 2082 9200

Project Number

784-B077402

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details

Easting: 306196.52 Northing: 207128.04

Level: 278.68mAOD Depth: 0.10m

Logger: EM Type: TP

Ordnance Survey Great Britain National Grid

Status: FINAL

Pit Number: **TP601**

Sheet 1 of 1

Hole Information

Pit Dimensions: 2.60m x 0.65m

Orientation: 85°

Shoring: None

Stability: Stable

Plant: JCB 3CX

Groundwater

Strike (m)	Rose To (m)	After (mins)	Remarks
0.10	0.00	20	

Scale: 1:25

Checked By: JC + DD

Approved By: NB

Start Date: 26/03/2026

Finish Date: 26/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Soft dark grey slightly sandy very gravelly CLAY with low cobbles. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse of mudstone with rare occasional sandstone. Cobbles are subangular to subrounded of mudstone and sandstone. MGR		0.10	278.58					
EOH at 0.10m - Location terminated due to surface water ingress								

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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. ES= Environmental Sample, B=Bulk Disturbed Sample, D= Small Disturbed Sample
4. Location reinstated as instructed by WSP.

Hodge House, 114-116 St Mary Street, Cardiff, CF10 1DY

029 2082 9200

Project Number

784-B077402

TETRA TECH

Project:	**Goat Mill Road**	Location Details	Status
Location:	**Merthyr Tydfil**	Easting: 306202.00 Northing: 207129.00	FINAL
Client:	**Merthyr Tydfil County Borough Council**	Level: 279.00mAOD Depth: 1.30m	Pit Number **TP601A**
		Logger: EM Type: TP	Sheet 1 of 1
		Ordnance Survey Great Britain National Grid	

HEINI MERTHYR TUDFUL / ACTIVE MERTHYR TYDFIL

Hole Information

Pit Dimensions: 2.60m x 0.60m

Orientation: 85°
Shoring: None
Stability: Stable
Plant: JCB 3CX

Groundwater

Strike (m)	Rose To (m)	After (mins)	Remarks

Scale: 1:25
Checked By: JC + DD
Approved By: NB
Start Date: 31/03/2026
Finish Date: 31/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Very dense grey silty sandy GRAVEL with high cobble content. Gravel is angular to subrounded fine to coarse of mudstone occasional sandstone rare brick fragments and coal. Cobbles are subangular to subrounded of mudstone and sandstone. A boulder up to 340x260x170mm in size of mudstone. Sand is fine to coarse. MGR						0.10 0.10 - 0.30	ES D	PID 0.10m, 0.0ppm PID 0.30m, 0.0ppm
						0.50 0.50 - 0.80 0.50 - 0.80	ES B D	
						1.10 1.10 - 1.20	ES D	PID 1.10m, 0.0ppm
MADE GROUND: Dark grey sandy silty subangular to subrounded fine to coarse GRAVEL of sandstone slag clinker and rare brick fragments. Slight sulphurous odour MGR		1.20 1.30	277.80 277.70					
EOH at 1.30m - Location terminated due to refusal								

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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. ES= Environmental Sample, B=Bulk Disturbed Sample, D= Small Disturbed Sample
4. Location reinstated as instructed by WSP.

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029 2082 9200

Project Number

784-B077402

TETRA TECH	Project: **Goat Mill Road** Location: **Merthyr Tydfil** Client: **Merthyr Tydfil County Borough Council**	Location Details Easting: 306230.08 Northing: 207060.08 Level: 279.87mAOD Depth: 3.70m Logger: EM Type: TP Ordnance Survey Great Britain National Grid	Status FINAL	Pit Number **TP602** Sheet 1 of 1

Hole Information		Groundwater				
Pit Dimensions	Orientation: 15°	Strike (m)	Rose To (m)	After (mins)	Remarks	Scale: 1:25
0.90m / 3.30m	Shoring: None Stability: Poor stability between 0 and 1.3 and 1.7and 3.7m Plant: JCB 14t 360					Checked By: JC + DD Approved By: NB Start Date: 18/03/2026 Finish Date: 18/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Soft greyish brown slightly sandy slightly gravelly CLAY with low cobble content. Gravel is angular to subrounded fine to coarse of mudstone and siltstone. Cobbles are subrounded of siltstone and mudstone with frequent rootlets. Sand is fine to coarse. MGR						0.00 - 0.20 0.10 0.10 0.20 - 1.20	B D ES B	PID 0.10m, 0.6ppm
MADE GROUND: Very loose to loose Grey silty sandy GRAVEL. Gravel is very angular to subrounded fine to coarse of siltstone and mudstone. Sand is fine to coarse. MGR		0.20	279.67			0.50 0.50	D ES	PID 0.50m, 0.0ppm
MADE GROUND: Soft dark grey slightly sandy gravelly CLAY with medium cobble content with low boulder content. Gravel is very angular to subrounded fine to coarse of siltstone and mudstone. Cobbles and boulders are subangular to subrounded of siltstone and mudstone. Sand is fine to coarse. MGR		1.30	278.57			1.50 1.50	D ES	PID 1.50m, 0.0ppm
MADE GROUND: Grey silty sandy GRAVEL with high cobble content. Gravel is very angular to subangular fine to coarse of mudstone. Sand is fine to coarse. MGR		1.70	278.17			1.70 1.70 - 2.70	D B	
						2.50	D	PID 2.50m, 0.0ppm
						2.70 - 3.70	B	
						3.50 3.50	D ES	PID 3.50m, 0.0ppm
EOH at 3.70m - Location terminated due to poor pit stability		3.70	276.17					

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.

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Project Number

784-B077402

TETRA TECH	Project: **Goat Mill Road** Location: **Merthyr Tydfil** Client: **Merthyr Tydfil County Borough Council**	Location Details Easting: 306207.00 Northing: 207000.98 Level: 280.30mAOD Depth: 3.60m Logger: EM Type: TP Ordnance Survey Great Britain National Grid	Status FINAL	Pit Number **TP603** Sheet 1 of 1

Hole Information		Groundwater				
Pit Dimensions	Orientation: 256°	Strike (m)	Rose To (m)	After (mins)	Remarks	Scale: 1:25
1.10m / 3.10m	Shoring: None					Checked By: JC + DD
	Stability: Poor stability					Approved By: NB
	Plant: JCB 14t 360					Start Date: 18/03/2026
						Finish Date: 18/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Greyish brown clayey sandy GRAVEL with high cobble content with medium boulder content. Gravel is very angular to subrounded fine to coarse of mudstone and siltstone. Cobbles and boulders are angular to subrounded of mudstone and siltstone. Sand is fine to coarse. MGR						0.00 - 0.50 0.10 0.10 0.50 0.50 0.50 - 1.50 1.50 1.50 1.50 - 2.30	B D ES D ES B D ES B	PID 0.10m, 0.0ppm PID 0.50m, 0.0ppm PID 1.50m, 0.0ppm
MADE GROUND: Grey silty slightly sandy GRAVEL with high cobble content. Gravel is very angular to subangular fine to coarse of mudstone. Cobbles are angular to subangular of mudstone. Sand is fine to coarse. MGR		2.30	278.00			2.30 - 3.30 2.50 2.50 3.30 - 3.60 3.50 3.50	B D ES B D ES	PID 2.50m, 0.0ppm PID 3.50m, 0.0ppm
EOH at 3.60m - Location terminated on suspected bedrock		3.60	276.70					

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.

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Project Number

784-B077402

TETRA TECH	Project: **Goat Mill Road** Location: **Merthyr Tydfil** Client: **Merthyr Tydfil County Borough Council**	Location Details Easting: 306244.00 Northing: 206983.00 Level: 281.11mAOD Depth: 2.60m Logger: EM Type: TP Ordnance Survey Great Britain National Grid	Status FINAL	Pit Number **TP604** Sheet 1 of 1

Hole Information		Groundwater			
Pit Dimensions	Orientation: 23°	Strike (m)	Rose To (m)	After (mins)	Remarks
0.80m / 2.40m	Shoring: None	2.50	2.45	20	
	Stability: Poor stability from 1.80m bgl				
	Plant: JCB 14t 360				

Scale:	1:25
Checked By:	JC + DD
Approved By:	NB
Start Date:	23/03/2026
Finish Date:	23/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Very loose to loose grey silty sandy GRAVEL. Gravel is very angular to subangular fine to coarse of siltstone and mudstone. Sand is fine to coarse. MGR						0.00 - 0.15	B	
						0.10	D	HV 0.10m, (p)=90 kPa (r)=22 kPa
						0.10	ES	PID 0.10m, 1.0ppm
						0.15 - 0.90	B	
						0.50	D	PID 0.50m, 0.4ppm
						0.50	ES	
MADE GROUND: Grey very silty very sandy GRAVEL. Gravel is angular to subangular fine to coarse of siltstone, mudstone and coal. Sand is fine to coarse. Strata has strong hydrocarbon odour throughout. MGR *cobble sized lumps of stiff light brownish grey slightly sandy clay.*		0.90	280.21			0.90 - 1.90	B	
						1.20	B	PID 1.20m, 0.5ppm
						1.20	D	
						1.20	ES	
						1.90 - 2.60	B	
						2.20	D	PID 2.20m, 0.0ppm
						2.20	ES	
EOH at 2.60m - Location terminated due to water ingress.		2.60	278.51					

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.

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Project Number

784-B077402

TETRA TECH

Project:	**Goat Mill Road**	Location Details	Status
Location:	**Merthyr Tydfil**	Easting: 306244.00 Northing: 206983.00	FINAL
Client:	**Merthyr Tydfil County Borough Council**	Level: 281.11mAOD Depth: 1.60m	Pit Number **TP604A**
		Logger: IR Type: TP	Sheet 1 of 1
		Ordnance Survey Great Britain National Grid	

HEINI MERTHYR TUDFUL
ACTIVE MERTHYR TYDFIL

Hole Information		Groundwater				Scale: 1:25
Pit Dimensions	Orientation: 285°	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: JC + DD
0.58m / 2.30m	Shoring: None					Approved By: NB
	Stability: Stable					Start Date: 31/03/2026
	Plant: JCB 3CX					Finish Date: 31/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Very soft light orangish brown mottled dark grey sandy gravelly SILT. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse of mudstone, occasional sandstone and rare coal. MGR						0.50 0.50 - 0.90	B1 B	
MADE GROUND: Dark grey slightly sandy slightly gravelly COBBLES and BOULDERS. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of sandstone, occasional mudstone, brick fragments, slag and rare fly ash. Cobbles are subangular to subrounded of sandstone, slag and bricks. Boulders are subangular to subrounded up to 430x350x140mm of sandstone. MGR		0.90	280.21					
EOH at 1.60m - Target depth achieved		1.60	279.51					

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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. ES= Environmental Sample, B=Bulk Disturbed Sample, D= Small Disturbed Sample
4. Location reinstated as instructed by WSP.

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Project Number

784-B077402

TETRA TECH	Project: **Goat Mill Road** Location: **Merthyr Tydfil** Client: **Merthyr Tydfil County Borough Council**	Location Details Easting: 306096.87 Northing: 206968.02 Level: 279.30mAOD Depth: 2.40m Logger: EM Type: TP Ordnance Survey Great Britain National Grid	Status FINAL	Pit Number **TP605** Sheet 1 of 1

Hole Information		Groundwater				
Pit Dimensions	Orientation: 356°	Strike (m)	Rose To (m)	After (mins)	Remarks	Scale: 1:25
0.90m / 2.40m	Shoring: None					Checked By: JC + DD
	Stability: Poor stability from 1.80m bgl					Approved By: NB
	Plant: JCB 14t 360					Start Date: 20/03/2026
						Finish Date: 20/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Dark grey clayey silty gravelly SAND. Gravel is angular to subangular fine to coarse of mudstone and siltstone with frequent rootlets. Sand is fine to coarse. (TOPSOIL) MGR		0.20	279.10			0.00 - 0.20 0.10 0.10 0.20 - 1.00	B D ES B	
MADE GROUND: Grey silty sandy GRAVEL. Gravel is very angular to subangular fine to coarse of siltstone and mudstone. Sand is fine to coarse. MGR						0.50 0.50 1.00 - 2.00 1.20 1.20	D ES B D ES	
						2.20 2.20 2.20 - 2.40	D ES B	
EOH at 2.40m - Location terminated due to poor pit stability		2.40	276.90					

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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. ES= Environmental Sample, B=Bulk Disturbed Sample, D= Small Disturbed Sample
4. Location reinstated as instructed by WSP.

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Project Number

784-B077402

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details

Easting: 306128.13 Northing: 206956.90

Level: 279.85mAOD Depth: 1.00m

Logger: EM Type: TP

Ordnance Survey Great Britain National Grid

Status: FINAL

Pit Number: **TP606**

Sheet 1 of 1

Hole Information

Pit Dimensions: 2.70m x 0.70m

Orientation: 123°

Shoring: None

Stability: Stable

Plant: JCB 3CX

Groundwater

Strike (m)	Rose To (m)	After (mins)	Remarks

Scale: 1:25

Checked By: JC + DD

Approved By: NB

Start Date: 20/03/2026

Finish Date: 20/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Dark grey clayey silty gravelly SAND with low cobble content. Gravel is very angular to subangular fine to coarse of siltstone and mudstone. Cobbles are angular to subangular of siltstone and mudstone with frequent rootlets. Sand is fine to coarse. (TOPSOIL)						0.00 - 0.15	B	
						0.10	D	PID 0.10m, 0.2ppm
		0.15	279.70			0.10	ES	
MGR						0.15 - 1.00	B	
MADE GROUND: Grey silty sandy GRAVEL with high cobble content. Gravel is angular to subrounded fine to coarse of siltstone and mudstone. Cobbles and boulders are subangular of mudstone and siltstone. Sand is fine to coarse.								
MGR						0.50	D	PID 0.50m, 0.8ppm
						0.50	ES	
EOH at 1.00m - Location terminated due to refusal		1.00	278.85					

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.

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Project Number: **784-B077402**

TETRA TECH

Project:	**Goat Mill Road**	Location Details	
Location:	**Merthyr Tydfil**	Easting: 306127.00	Northing: 206957.00
Client:	**Merthyr Tydfil County Borough Council**	Level: 279.57mAOD	Depth: 1.40m
		Logger: IR	Type: TP
		Ordnance Survey Great Britain National Grid	

Status: FINAL

Pit Number: **TP606A**

Sheet 1 of 1

HEINI MERTHYR TUDFUL / ACTIVE MERTHYR TYDFIL

Hole Information

Pit Dimensions: 2.40m × 0.60m

Orientation: 270°
Shoring: None
Stability: Stable
Plant: JCB 3CX

Groundwater

Strike (m)	Rose To (m)	After (mins)	Remarks

Scale: 1:25
Checked By: JC + DD
Approved By: NB
Start Date: 31/03/2026
Finish Date: 31/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Dark grey clayey silty gravelly SAND with low cobble content. Gravel is very angular to subangular fine to coarse of siltstone and mudstone. Cobbles are angular to subangular of siltstone and mudstone with frequent rootlets. Sand is fine to coarse. MGR		0.15	279.42					
MADE GROUND: Light grey mottled orangish brown clayey silty gravelly SAND with high cobble content with medium boulder content. Gravel is angular to subrounded fine to coarse of siltstone and mudstone. Cobbles and boulders are subangular of mudstone and siltstone. Sand is fine to coarse. MGR								
EOH at 1.40m - Location terminated due to refusal		1.40	278.17					

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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. ES= Environmental Sample, B=Bulk Disturbed Sample, D= Small Disturbed Sample
4. Location reinstated as instructed by WSP.

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Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details

Easting: 306184.12 Northing: 206938.85

Level: 280.72mAOD Depth: 2.40m

Logger: EM Type: TP

Ordnance Survey Great Britain National Grid

Status: FINAL

Pit Number: **TP607**

Sheet 1 of 1

Hole Information

Pit Dimensions: 2.50m x 0.80m

Orientation: 20°

Shoring: None

Stability: Stable

Plant: JCB 14t 360

Groundwater

Strike (m)	Rose To (m)	After (mins)	Remarks
2.40	2.40	25	

Scale: 1:25

Checked By: JC + DD

Approved By: NB

Start Date: 23/03/2026

Finish Date: 23/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Grey very silty very sandy GRAVEL. Gravel is very angular to subangular fine to coarse of siltstone and mudstone. Sand is fine to coarse. Strata has frequent rootlets. (TOPSOIL) MGR						0.00 - 0.30	B	
						0.20	D	PID 0.20m, 0.0ppm
						0.20	ES	
						0.30 - 1.30	B	
MADE GROUND: Grey silty sandy GRAVEL. Gravel is very angular to subangular fine to coarse of siltstone and mudstone. Sand is fine to coarse. MGR		0.30	280.42					
						0.50	ES	PID 0.50m, 0.0ppm
						1.20	D	PID 1.20m, 0.0ppm
						1.20	ES	
						1.30 - 2.10	B	
Dark grey MUDSTONE. Recovered as slightly clayey sandy GRAVEL. Gravels are angular to subangular of fissile mudstone. Sands are fine to coarse. SOUTH WALES LOWER COAL MEASURES SWLCM		2.10	278.62			2.10 - 2.40	B	
						2.20	D	
						2.20	ES	
		2.40	278.32					

EOH at 2.40m - Location terminated on suspected bedrock

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.

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Project Number

784-B077402

TETRA TECH	Project: **Goat Mill Road** Location: **Merthyr Tydfil** Client: **Merthyr Tydfil County Borough Council**	Location Details Easting: 306123.96 Northing: 206883.82 Level: 279.66mAOD Depth: 1.95m Logger: EM Type: TP Ordnance Survey Great Britain National Grid	Status FINAL	Pit Number **TP608** Sheet 1 of 1

Hole Information		Groundwater				Scale: 1:25
Pit Dimensions	Orientation: 165°	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: JC + DD
0.60m / 2.80m	Shoring: None Stability: Stable Plant: JCB 3CX					Approved By: NB Start Date: 31/03/2026 Finish Date: 31/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Soft dark brownish grey slightly sandy gravelly CLAY. Sand is fine to coarse with low cobble and boulder content. Gravel is angular to subrounded fine to coarse of mudstone, sandstone, concrete, frequent slag, clinker and fly ash, rare brick fragments and coal. Cobbles are subangular to subrounded of mudstone, sandstone and concrete. Boulders are subangular to rounded up to 320x290x190mm of sandstone.						0.00 - 0.55	B	
						0.10	ES	PID 0.10m, 0.0ppm
MGR						0.50	ES	PID 0.50m, 0.0ppm
		0.55	279.11			0.55 - 1.80	B	
MADE GROUND: Dark grey slightly sandy clayey GRAVEL and COBBLES with low boulder content. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of mudstone, occasional sandstone and rare coal. Cobbles are angular to subangular of mudstone. Boulders are angular up to 450mmx380mmx180mm of mudstone.								
MGR						1.00	ES	PID 1.00m, 0.0ppm
		1.80	277.86					
Grey MUDSTONE. Recovered as subangular to angular GRAVEL of mudstone. (SOUTH WALES LOWER COAL MEASURES) SWLCM		1.95	277.71					
EOH at 1.95m - Location terminated on suspected bedrock								

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.

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Project Number

784-B077402

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details

Easting: 306173.49 Northing: 206875.05

Level: 280.40mAOD Depth: 1.60m

Logger: EM Type: TP

Ordnance Survey Great Britain National Grid

Status: FINAL

Pit Number: **TP609**

Sheet 1 of 1

Hole Information

Pit Dimensions: 2.40m x 0.80m

Orientation: 208°

Shoring: None

Stability: Stable

Plant: JCB 14T 360

Groundwater

Strike (m)	Rose To (m)	After (mins)	Remarks

Scale: 1:25

Checked By: JC + DD

Approved By: NB

Start Date: 24/03/2026

Finish Date: 24/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Dark brownish grey clayey silty gravelly SAND. Gravel is very angular to subangular fine to coarse of siltstone and mudstone, with frequent rootlets. Sand is fine to coarse. (TOPSOIL) MGR		0.15	280.24			0.00 - 0.15 0.10 0.10 0.15 - 1.15	B D ES B	PID 0.10m, 0.0ppm
MADE GROUND: Firm grey silty sandy GRAVEL with high cobble content. Gravel is very angular to subangular fine to coarse of siltstone and mudstone. Cobbles are angular of mudstone and siltstone. Sand is fine to coarse. MGR						0.50 0.50	D ES	PID 0.50m, 0.0ppm
						1.15 - 1.60 1.20 1.20	B D ES	PID 1.20m, 0.0ppm
Dark grey mottled yellow MUDSTONE. (SOUTH WALES LOWER COAL MEASURES) SWLCM		1.60	278.80					
EOH at 1.60m - Location terminated on suspected bedrock		1.60	278.80					

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.

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Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details

Easting: 306128.08 Northing: 206756.86

Level: 279.07mAOD Depth: 1.25m

Logger: EM Type: TP

Ordnance Survey Great Britain National Grid

Status: FINAL

Pit Number: **TP610**

Sheet 1 of 1

Hole Information

Pit Dimensions: 2.10m x 0.90m

Orientation: 280°

Shoring: None

Stability: Stable

Plant: JCB 14T 360

Groundwater

Strike (m)	Rose To (m)	After (mins)	Remarks

Scale: 1:25

Checked By: JC + DD

Approved By: NB

Start Date: 24/03/2026

Finish Date: 24/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Dark greyish brown clayey silty gravelly SAND. Gravel is very angular to subangular fine to coarse of siltstone slag concrete and mudstone with frequent rootlets. Sand is fine to coarse. MGR						0.00 - 0.25	B	
						0.20	D	PID 0.20m, 0.0ppm
		0.25	278.82			0.20	ES	
MADE GROUND: Grey silty sandy GRAVEL. Gravel is very angular to subangular fine to coarse of siltstone slag concrete and mudstone. Sand is fine to coarse. Strata has rare plastic packaging throughout. MGR						0.25 - 1.25	B	
						0.50	D	PID 0.50m, 0.0ppm
						0.50	ES	
						1.20	D	PID 1.20m, 0.0ppm
		1.25	277.82			1.20	ES	
Weak dark grey mottled light yellowish brown MUDSTONE. (SOUTH WALES LOWER COAL MEASURES) SWLCM		1.25	277.82					
EOH at 1.25m - Location terminated on suspected bedrock								

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.

Hodge House, 114-116 St Mary Street, Cardiff, CF10 1DY

029 2082 9200

Project Number

784-B077402

TETRA TECH	Project: **Goat Mill Road** Location: **Merthyr Tydfil** Client: **Merthyr Tydfil County Borough Council**	Location Details Easting: 306162.96 Northing: 206758.18 Level: 279.16mAOD Depth: 2.80m Logger: EM Type: TP Ordnance Survey Great Britain National Grid	Status FINAL	Pit Number **TP611** Sheet 1 of 1

Hole Information		Groundwater				Scale: 1:25
Pit Dimensions	Orientation: 3°	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: JC + DD
0.90m / 2.60m	Shoring: None					Approved By: NB
	Stability: Poor stability at 0.50m bgl					Start Date: 24/03/2026
	Plant: JCB 14T 360					Finish Date: 24/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Soft brown slightly sandy gravelly CLAY with low cobble content with low boulder content. Gravel is very angular to subangular fine to coarse of siltstone and mudstone. Cobbles and boulders are angular of mudstone and siltstone with frequent rootlets. Sand is to coarse. Strata has rare glass fragments. MGR		0.15	279.01			0.00 - 0.15 0.10 0.10 0.15 - 1.15	B D ES B	PID 0.10m, 0.0ppm
MADE GROUND: Very loose to loose grey silty sandy GRAVEL gravelly SAND. Gravel is very angular to subangular fine to coarse of siltstone and mudstone. Sand is fine to coarse. MGR						0.50 1.15 - 2.15 1.20 1.20	ES B D ES	PID 0.50m, 0.0ppm PID 1.20m, 0.0ppm
EOH at 2.80m - Location terminated on suspected bedrock		2.80	276.36			2.20 2.20	D ES	

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.

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Project Number

784-B077402

TETRA TECH

Project:	**Goat Mill Road**	Location Details	Status
Location:	**Merthyr Tydfil**	Easting: 306211.16 Northing: 206768.84	FINAL
Client:	**Merthyr Tydfil County Borough Council**	Level: 279.48mAOD Depth: 1.10m	Pit Number **TP612**
		Logger: EM Type: TP	Sheet 1 of 1
		Ordnance Survey Great Britain National Grid	

Hole Information		Groundwater				Scale: 1:25
Pit Dimensions	Orientation: 74°	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: JC + DD
0.80m / 2.80m	Shoring: None					Approved By: NB
	Stability: Stable					Start Date: 26/03/2026
	Plant: JCB 3CX					Finish Date: 26/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Dark grey mottled orangish brown slightly clayey sandy GRAVEL with medium cobble content with low boulder content. Gravel is very angular to subangular fine to coarse of siltstone and mudstone. Cobbles and boulders are angular of mudstone and siltstone. Sand is fine to coarse. MGR		0.20	279.28			0.00 - 0.20	B	
						0.10	D	PID 0.10m, 0.0ppm
						0.10	ES	
						0.20 - 1.10	B	
MADE GROUND: Grey silty sandy GRAVEL. Gravel is very angular to subangular fine to coarse of siltstone slag and mudstone. Sand is fine to coarse. MGR						0.50	D	PID 0.50m, 0.0ppm
						0.50	ES	
EOH at 1.10m - Location terminated due to refusal		1.10	278.38			1.10	D	PID 1.10m, 0.0ppm
						1.10	ES	

1 2 3 4 5

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.

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Project Number

784-B077402

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details

Easting: 306144.35 Northing: 206704.62

Level: 278.73mAOD Depth: 1.60m

Logger: EM Type: TP

Ordnance Survey Great Britain National Grid

Status: FINAL

Pit Number: **TP613**

Sheet 1 of 1

Hole Information

Pit Dimensions: 2.40m x 0.70m

Orientation: 205°

Shoring: None

Stability: Stable

Plant: JCB 3CX

Groundwater

Strike (m)	Rose To (m)	After (mins)	Remarks

Scale: 1:25

Checked By: JC + DD

Approved By: NB

Start Date: 26/03/2026

Finish Date: 26/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Loose grey very silty very sandy angular to subangular fine to coarse GRAVEL of occasional sandstone rare mudstone abundant slag and frequent clinker occasional brick fragments and rare metal fragments. Sand is fine to coarse. MGR						0.10 0.10 - 0.30	ES D	PID 0.10m, 0.0ppm
						0.70 0.70 - 1.00 0.70 - 1.00	ES B D	PID 0.70m, 0.0ppm
EOH at 1.60m - Location terminated due to refusal		1.60	277.13					

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.

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Project Number: **784-B077402**

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details

Easting: 306172.38 Northing: 206654.73

Level: 278.54mAOD Depth: 2.20m

Logger: EM Type: TP

Ordnance Survey Great Britain National Grid

Status: FINAL

Pit Number: **TP614**

Sheet 1 of 1

Hole Information

Pit Dimensions: 2.60m x 0.80m

Orientation: 345°

Shoring: None

Stability: Stable

Plant: JCB 3CX

Groundwater

Strike (m)	Rose To (m)	After (mins)	Remarks

Scale: 1:25

Checked By: JC + DD

Approved By: NB

Start Date: 26/03/2026

Finish Date: 26/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Grey very silty sandy GRAVEL. Gravel is very angular to subangular fine to coarse of siltstone and mudstone. Sand is fine to coarse. MGR						0.00 - 0.15 0.10 0.10 0.15 - 1.15 0.50 0.50 1.15 - 2.15 1.20	B D ES B D ES B ES	PID 0.10m, 0.0ppm PID 0.50m, 0.0ppm PID 1.20m, 0.0ppm
MADE GROUND: Soft dark grey mottled orangish brown sandy gravelly CLAY with low cobble content with low boulder content. Gravel is very angular to subangular fine to coarse of siltstone slag and mudstone. Cobbles and boulders are angular of mudstone and siltstone. Sand is fine to coarse. MGR		1.50	277.04			1.50	D	
EOH at 2.20m - Location terminated on suspected bedrock		2.20	276.34			2.20 2.20	D ES	PID 2.20m, 0.0ppm

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.

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029 2082 9200

Project Number: **784-B077402**

TETRA TECH

Project:	**Goat Mill Road**	Location Details	Status
Location:	**Merthyr Tydfil**	Easting: 306214.15 Northing: 206518.12	FINAL
Client:	**Merthyr Tydfil County Borough Council**	Level: 278.52mAOD Depth: 2.00m	Pit Number **TP615**
		Logger: EM Type: TP	Sheet 1 of 1
		Ordnance Survey Great Britain National Grid	

Hole Information		Groundwater				Scale: 1:25
Pit Dimensions	Orientation: 165°	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: JC + DD
0.70m / 2.50m	Shoring: None					Approved By: NB
	Stability: Stable					Start Date: 26/03/2026
	Plant: JCB 3CX					Finish Date: 26/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Dark grey sandy clayey angular to subangular fine to coarse GRAVEL of mudstone, sandstone, brick fragments and occasional slag and clinker with low cobble content. Cobbles are angular to subangular of mudstone and sandstone. Sand is fine to coarse.						0.10	ES	PID 0.10m, 0.0ppm
						0.10 - 0.30	D	
						0.30	ES	PID 0.30m, 0.0ppm
MGR		0.35	278.17					
MADE GROUND: Very dense grey silty sandy subangular to subrounded fine to coarse GRAVEL of occasional sandstone rare mudstone abundant slag and clinker frequent brick fragments and rare fly ash. Rare boulders of angular to subangular up to 400x320x190mm of slag. Sand is fine to coarse. Strong sulphurous odour throughout strata.						0.50 - 0.70	D	
MGR								
						1.30	ES	PID 1.30m, 0.0ppm
						1.50 - 2.00	B	
EOH at 2.00m - Location terminated due to refusal		2.00	276.52					

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. ES= Environmental Sample, B=Bulk Disturbed Sample, D= Small Disturbed Sample
4. Location reinstated as instructed by WSP.

Hodge House, 114-116 St Mary Street, Cardiff, CF10 1DY

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Project Number

784-B077402

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details

Easting: 306240.70 Northing: 207059.36

Level: 280.18mAOD Depth: 0.60m

Logger: EM Type: TP

Ordnance Survey Great Britain National Grid

Status: FINAL

Pit Number: **TP701**

Sheet 1 of 1

Hole Information

Pit Dimensions: 2.40m x 0.60m

Orientation: 256°

Shoring: None

Stability: Stable

Plant: JCB 3CX

Groundwater

Strike (m)	Rose To (m)	After (mins)	Remarks

Scale: 1:25

Checked By: JC + DD

Approved By: NB

Start Date: 11/03/2026

Finish Date: 11/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Very soft dark greyish brown slightly sandy slightly gravelly CLAY. Gravel is angular to subrounded fine to coarse sandstone mudstone and siltstone with frequent rootlets. Sand is fine to coarse. MGR		0.10	280.08			0.00 - 0.20	B	
						0.10	D	
						0.20 - 0.60	B	
						0.30	ES	PID 0.30m, 0.0ppm
MADE GROUND: Grey silty sandy GRAVEL with high cobble content. Gravel is very angular to subangular fine to coarse of sandstone siltstone mudstone and concrete. Cobbles are subrounded to well rounded of quartzite and siltstone. Sand is fine to coarse. MGR						0.50	D	
		0.60	279.58					
EOH at 0.60m - Target depth achieved								

1

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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. ES= Environmental Sample, B=Bulk Disturbed Sample, D= Small Disturbed Sample
4. Location reinstated as instructed by WSP.

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Project Number

784-B077402

TETRA TECH

Project:	**Goat Mill Road**	Location Details	Status
Location:	**Merthyr Tydfil**	Easting: 306092.34 Northing: 206968.41	FINAL
Client:	**Merthyr Tydfil County Borough Council**	Level: 279.22mAOD Depth: 0.70m	Pit Number **TP702**
		Logger: EM Type: TP	Sheet 1 of 1
		Ordnance Survey Great Britain National Grid	

HEINI MERTHYR TUDFUL
ACTIVE MERTHYR TYDFIL

Hole Information		Groundwater				Scale: 1:25
Pit Dimensions	Orientation: 360°	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: JC + DD
0.60m / 2.40m	Shoring: None					Approved By: NB
	Stability: Stable					Start Date: 13/03/2026
	Plant: JCB 3CX					Finish Date: 13/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Dark brownish grey clayey slightly gravelly SAND with low cobble content. Gravel is very angular to subrounded fine to coarse of sandstone, siltstone and mudstone. Cobbles are angular to subrounded of siltstone and mudstone with frequent rootlets. Sand is fine to coarse. MGR		0.20	279.02			0.00 - 0.20 0.10 0.10 0.20 - 0.70	B D ES B	PID 0.10m, 0.0ppm
MADE GROUND: Grey silty sandy GRAVEL. Gravel is angular to subangular fine to coarse of siltstone and mudstone. Sand is fine to coarse. Strata has rare rootlets throughout. MGR		0.70	278.52			0.50 0.50	D ES	PID 0.50m, 0.0ppm
EOH at 0.70m - Target depth achieved								

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.

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Project Number

784-B077402

TETRA TECH

Project: **Goat Mill Road**

Location: **Merthyr Tydfil**

Client: **Merthyr Tydfil County Borough Council**

Location Details

Easting: 306191.77 Northing: 206927.32

Level: 280.78mAOD Depth: 0.60m

Logger: EM Type: TP

Ordnance Survey Great Britain National Grid

Status: FINAL

Pit Number: **TP703**

Sheet 1 of 1

Hole Information

Pit Dimensions: 1.80m x 0.60m

Orientation: 6°

Shoring: None

Stability: Stable

Plant: JCB 3CX

Groundwater

Strike (m)	Rose To (m)	After (mins)	Remarks

Scale: 1:25

Checked By: JC + DD

Approved By: NB

Start Date: 10/03/2026

Finish Date: 10/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Soft dark greyish brown slightly sandy slightly gravelly CLAY. Gravel is very angular to subrounded fine to coarse of siltstone with occasional rootlets. Sand is fine to coarse. MGR		0.20	280.58			0.00 - 0.20 0.10 0.10 0.20 - 0.60	B D ES B	PID 0.10m, 0.0ppm
MADE GROUND: Grey slightly silty slightly sandy GRAVEL with high cobble content. Gravel is angular to subangular fine to coarse of sandstone and siltstone. Cobbles are angular to subangular of siltstone. Sand is fine to coarse. MGR		0.60	280.18			0.50 0.50	D ES	PID 0.50m, 0.0ppm
EOH at 0.60m - Target depth achieved								

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.

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Project Number: **784-B077402**

TETRA TECH

Project:	**Goat Mill Road**
Location:	**Merthyr Tydfil**
Client:	**Merthyr Tydfil County Borough Council**

Location Details

Easting: 306091.37 Northing: 206891.29
Level: 279.48mAOD Depth: 0.60m
Logger: EM Type: TP
Ordnance Survey Great Britain National Grid

Status: FINAL

Pit Number: **TP704**

Sheet 1 of 1

Hole Information

Pit Dimensions: 2.40m x 0.60m

Orientation: 32°
Shoring: None
Stability: Stable
Plant: JCB 3CX

Groundwater

Strike (m)	Rose To (m)	After (mins)	Remarks

Scale:	1:25
Checked By:	JC + DD
Approved By:	NB
Start Date:	13/03/2026
Finish Date:	13/03/2026

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing: Depth (m)	Ref	Tests / Results
MADE GROUND: Dark brownish grey clayey slightly gravelly SAND with low cobble content. Gravel is very angular to subrounded fine to coarse of sandstone siltstone and mudstone. Cobbles are angular to subrounded of siltstone and mudstone with frequent rootlets. Sand is fine to coarse. MGR		0.20	279.28			0.00 - 0.20 0.10 0.10 0.20 - 0.50	B D ES B	PID 0.10m, 0.0ppm
MADE GROUND: Grey silty sandy GRAVEL. Gravel is angular to subangular fine to coarse of siltstone and mudstone. Sand is fine to coarse. Strata has rare rootlets throughout. MGR		0.60	278.88			0.50 0.50	D ES	PID 0.50m, 0.0ppm
EOH at 0.60m - Target depth achieved								

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.

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Project Number

784-B077402