

EXPLORATORY HOLE PHOTOGRAPHS

Remarks
Machine excavated trial pit from GL to 4.00m

Exploratory Hole
S1-TP109

Project	Global Centre of Rail Excellence	Easting	283263.34	Equipment	13 Tonne Tracked Excavator
Client	Walters UK Limited	Northing	211886.54	Method	TP
Project No	G22069	Level	236.96 mAOD	Termination Reason	Scheduled depth

Sheet 2 of 3



S1-TP109 - Face C



S1-TP109 - Face D

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Machine excavated trial pit from GL to 4.00m		Exploratory Hole
						S1-TP109
Project	Global Centre of Rail Excellence	Easting	283263.34	Equipment	13 Tonne Tracked Excavator	Sheet 3 of 3
Client	Walters UK Limited	Northing	211886.54	Method	TP	
Project No	G22069	Level	236.96 mAOD	Termination Reason	Scheduled depth	



S1-TP109 - Spoil

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Machine excavated trial pit from GL to 3.50m.		Exploratory Hole
						S1-TP110
Project	Global Centre of Rail Excellence	Easting	283174.60	Equipment	20 Tonne Tracked Excavator	Sheet 1 of 3
Client	Walters UK Limited	Northing	211887.85	Method	TP	
Project No	G22069	Level	231.43 mAOD	Termination Reason	Unstable	



S1-TP110 - Face A



S1-TP110 - Face B

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Machine excavated trial pit from GL to 3.50m.		Exploratory Hole
						S1-TP110
Project	Global Centre of Rail Excellence	Easting	283174.60	Equipment	20 Tonne Tracked Excavator	Sheet 2 of 3
Client	Walters UK Limited	Northing	211887.85	Method	TP	
Project No	G22069	Level	231.43 mAOD	Termination Reason	Unstable	



S1-TP110 - Face C



S1-TP110 - Face D

EXPLORATORY HOLE PHOTOGRAPHS

Remarks Machine excavated trial pit from GL to 3.50m.	Exploratory Hole
	S1-TP110

Project	Global Centre of Rail Excellence	Easting	283174.60	Equipment	20 Tonne Tracked Ecavator	Sheet 3 of 3
Client	Walters UK Limited	Northing	211887.85	Method	TP	
Project No	G22069	Level	231.43 mAOD	Termination Reason	Unstable	



S1-TP110 - Spoil

		TRIAL PIT EXPLORATORY HOLE LOG					Exploratory Hole Progress by Time			Exploratory Hole		
							Date and Time		Depth	Water Depth	S1-TP111	
							15/11/2022 09:33 15/11/2022 10:57		0.00 3.50	3.48		
Project	Global Centre of Rail Excellence			Equipment	21 Tonne Tracked Excavator			Sheet 1 of 1				
Client	Walters UK Limited			Method	TP			Scale	1:20			
Project No	G22069	Level	231.25 mAOD	Orientation		125 degrees		Logged	SC			
Easting	284432.79	Northing	210649.48	Length		4.20		Checked	AP			
Termination Reason		Terminated on bedrock			Width		0.70					
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Depth (Thickness)	Level (mAOD)	Legend	Description		Scale	Backfill		
3 B	0.10 - 0.30 0.10	PID: 0.0ppmv		0.00			Soft greyish black slightly silty slightly sandy gravelly CLAY. Sand is medium to coarse. Gravel is subangular medium to coarse of limestone. (MADE GROUND) Geology Code: MGR 2nd Geology Code: CL	0.50				
1 ES	0.20 - 0.25	PID: 0.1ppmv		(0.30)			Grey sandy angular fine GRAVEL of mudstone. Sand is coarse. (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR					
2 D	0.20 - 0.30											
4 D	0.20			0.30	230.95		Firm to stiff brownish grey mottled orangish grey sandy gravelly CLAY with low boulder content. Sand is medium to coarse. Gravel is angular to subangular fine to coarse of mudstone and occasional sandstone. Boulders are subangular of mudstone (400mm x 500mm x 70mm). (Weathered SOUTH WALES MIDDLE COAL MEASURES) Geology Code: SWCM 2nd Geology Code: CL	1.00				
5 ES	0.30 - 0.35			(0.20)								
	0.40 - 0.50											
	0.50	PID: 0.0ppmv		0.50	230.75			1.50				
7 B	0.70 - 1.00											
6 ES	0.90 - 1.00	PID: 0.0ppmv										
8 D	1.00 - 1.05 1.00	PID: 0.1ppmv						2.00				
				(1.50)								
9 D	1.50 - 1.55											
	1.60	PID: 0.0ppmv					1.50m - 2.00m Becoming very gravelly.	2.50				
10 B	2.00 - 2.30 2.00	PID: 0.0ppmv		2.00	229.25							
							Dark brown slightly clayey sandy angular to subangular fine to coarse GRAVEL of mudstone. Sand is coarse. (Weathered SOUTH WALES MIDDLE COAL MEASURES) Geology Code: SWCM 2nd Geology Code: GR	3.00				
11 D	2.50 - 2.55											
				(1.50)								
12 D	3.00 - 3.05	PID: 0.0ppmv						3.50				
13 B	3.00 - 3.30 3.00											
14 D	3.50				227.75			4.00				
Weather		Dry		Trial Pit Excavation Onsite Layout				Water Strikes				
Shoring		None						Date and Time	Strike	Rising to	Time	Remarks
Stability		Stable										
Log presents Face A unless otherwise noted.												
Remarks												
Machine excavated trial pit from GL to 3.50m												

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		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Machine excavated trial pit from GL to 3.50m		Exploratory Hole
						S1-TP111
Project	Global Centre of Rail Excellence	Easting	284432.79	Equipment	21 Tonne Tracked Excavator	Sheet 1 of 3
Client	Walters UK Limited	Northing	210649.48	Method	TP	
Project No	G22069	Level	231.25 mAOD	Termination Reason	Terminated on bedrock	



S1-TP111 Face C



S1-TP111 Face B

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Machine excavated trial pit from GL to 3.50m		Exploratory Hole
						S1-TP111
Project	Global Centre of Rail Excellence	Easting	284432.79	Equipment	21 Tonne Tracked Excavator	Sheet 2 of 3
Client	Walters UK Limited	Northing	210649.48	Method	TP	
Project No	G22069	Level	231.25 mAOD	Termination Reason	Terminated on bedrock	



S1-TP111 Face A



S1-TP111 Spoil

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Machine excavated trial pit from GL to 3.50m		Exploratory Hole
						S1-TP111
Project	Global Centre of Rail Excellence	Easting	284432.79	Equipment	21 Tonne Tracked Excavator	Sheet 3 of 3
Client	Walters UK Limited	Northing	210649.48	Method	TP	
Project No	G22069	Level	231.25 mAOD	Termination Reason	Terminated on bedrock	



S1-TP111 Face D

EXPLORATORY HOLE PHOTOGRAPHS

Remarks Machine excavated trial pit from GL to 1.70m	Exploratory Hole
	S1-TP112

Project	Global Centre of Rail Excellence	Easting	284486.56	Equipment	21 Tonne Tracked Excavator
Client	Walters UK Limited	Northing	210626.19	Method	TP
Project No	G22069	Level	232.16 mAOD	Termination Reason	Water ingress and instability

Sheet 1 of 3



S1-TP112 Face B



S1-TP112 Face A

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Machine excavated trial pit from GL to 1.70m		Exploratory Hole
						S1-TP112
Project	Global Centre of Rail Excellence	Easting	284486.56	Equipment	21 Tonne Tracked Excavator	Sheet 2 of 3
Client	Walters UK Limited	Northing	210626.19	Method	TP	
Project No	G22069	Level	232.16 mAOD	Termination Reason	Water ingress and instability	



S1-TP112 Face C



S1-TP112 Face D

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Machine excavated trial pit from GL to 1.70m		Exploratory Hole
						S1-TP112
Project	Global Centre of Rail Excellence	Easting	284486.56	Equipment	21 Tonne Tracked Excavator	Sheet 3 of 3
Client	Walters UK Limited	Northing	210626.19	Method	TP	
Project No	G22069	Level	232.16 mAOD	Termination Reason	Water ingress and instability	



S1-TP112 Spoil

EXPLORATORY HOLE PHOTOGRAPHS

Remarks Machine excavated trial pit from GL to 4.00m	Exploratory Hole
	S1-TP113

Project	Global Centre of Rail Excellence	Easting	284528.96	Equipment	Komatsu PC 210 LC	Sheet 1 of 2
Client	Walters UK Limited	Northing	210618.04	Method	TP	
Project No	G22069	Level	233.00 mAOD	Termination Reason	Scheduled depth	



S1-TP113 Face D



S1-TP113 Face B

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Machine excavated trial pit from GL to 4.00m		Exploratory Hole
						S1-TP113
Project	Global Centre of Rail Excellence	Easting	284528.96	Equipment	Komatsu PC 210 LC	Sheet 2 of 2
Client	Walters UK Limited	Northing	210618.04	Method	TP	
Project No	G22069	Level	233.00 mAOD	Termination Reason	Scheduled depth	



S1-TP113 Face A



S1-TP113 Face C

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Machine excavated trial pit from GL to 2.40m		Exploratory Hole S1-TP114
Project	Global Centre of Rail Excellence	Easting	284975.01	Equipment	21 Tonne Tracked Excavator	Sheet 1 of 3
Client	Walters UK Limited	Northing	210562.92	Method	TP	
Project No	G22069	Level	239.99 mAOD	Termination Reason	Water ingress and instability	



S1-TP114 Face D



S1-TP114 Face A