

		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

JACKSON GEO SERVICES					TRIAL PIT EXPLORATORY HOLE LOG					Exploratory Hole Progress by Time			Exploratory Hole		
										Date and Time		Depth	Water Depth	S1-TP113	
Project		Global Centre of Rail Excellence			Equipment		Komatsu PC 210 LC			09/11/2022 13:41 09/11/2022 15:29		0.00 4.00	4.00	Sheet 1 of 1	
Client		Walters UK Limited			Method		TP							Scale	1:20
Project No		G22069	Level		233.00 mAOD	Orientation		98 degrees						Logged	JP
Easting		284528.96		Northing		210618.04		Length		6.20			Checked		
Termination Reason		Scheduled depth			Width		0.80								
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks			Depth (Thickness)	Level (mAOD)	Legend	Description					Scale	Backfill	
1 ES	0.20 - 0.30	PID: 0.0ppmv			0.00			Dark grey to black sandy silty angular to subangular fine to coarse GRAVEL of mudstone. Sand is fine to coarse. (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR					0.50		
	0.30				(0.80)										
2 D	0.50 - 0.60														
3 ES	0.50 - 0.60														
4 B	0.50 - 0.70	Broken land drain from Face A to Face C.						Soft yellowish brown mottled light grey, orange and white slightly gravelly slightly sandy SILT. Gravel is angular to rounded fine to coarse of mudstone and sandstone. Sand is fine to coarse. (Weathered SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: SL					1.00		
	0.60														
	0.65 - 0.75														
5 D	0.90 - 1.00														
6 ES	0.90 - 1.00	HV: P: 26kPa R: 9kPa HV: P: 30kPa R: 11kPa HV: P: 33kPa R: 10kPa PID: 0.0ppmv			0.80	232.20							1.50		
7 B	1.00 - 1.10														
	1.00														
	1.00														
	1.00			(1.10)								2.00			
8 D	1.50														
	1.50														
	1.50														
	1.50	HV: P: 34kPa R: 18kPa HV: P: 36kPa R: 12kPa HV: P: 38kPa R: 16kPa			1.90	231.10		Yellowish brown to brown slightly sandy silty angular to rounded fine to coarse GRAVEL of mudstone and sandstone. Sand is fine to coarse. (Weathered SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: GR					2.50		
9 B	2.00 - 2.10														
	2.00														
10 D	2.50														
		PID: 0.0ppmv											3.00		
11 B	3.00 - 3.10														
	3.00														
12 D	3.50														
		PID: 0.0ppmv			(2.10)								3.50		
13 B	3.90 - 4.00														
	4.00					229.00		3.90m - 4.00m Low boulder content. Boulders are subangular of sandstone (up to 360x280mm). End of Exploratory Hole at 4.00m					4.00		
Weather		Cloudy		Trial Pit Excavation Onsite Layout 											
Shoring		None							Log presents Face A unless otherwise noted.						
Stability		Stable													
Remarks Machine excavated trial pit from GL to 4.00m															

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

		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 2 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 Spoil



S1-TP114 Face B

		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 3 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 C

		TRIAL PIT EXPLORATORY HOLE LOG				Exploratory Hole Progress by Time			Exploratory Hole					
						Date and Time		Depth	Water Depth	S1-TP115				
Project		Global Centre of Rail Excellence		Equipment		Komatsu PC 210 LC		08/11/2022 09:54 08/11/2022 10:40		0.00 0.70	0.35	Sheet 1 of 1		
Client		Walters UK Limited		Method		TP						Scale	1:20	
Project No		G22069		Level		230.63 mAOD		Orientation		41 degrees		Logged		JP
Easting		284344.59		Northing		210556.68		Length		4.00		Checked		
Termination Reason		Terminated due to water ingress		Width		0.80								
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Depth (Thickness)	Level (mAOD)	Legend	Description					Scale	Backfill	
1 ES	0.20 - 0.30	PID: 1.5ppmv		0.00			Black sandy silty angular to subangular fine to coarse GRAVEL of mudstone, siltstone, sandstone and coal with low cobble content. Sand is fine to coarse locally of ash. Cobbles are angular of mudstone, sandstone and coal. Occasional gravel sized fragments of ceramic. Occasional pieces of cloth (up to 600x500mm). Occasional fragments of wood (up to 130x80mm). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR							
2 D	0.30			(0.70)										
3 ES	0.50 - 0.60	PID: 1.0ppmv			229.93		End of Exploratory Hole at 0.70m					0.50		
4 B	0.50 - 0.70													
	0.60											1.00		
												1.50		
												2.00		
												2.50		
												3.00		
												3.50		
												4.00		
Weather		Heavy showers						Water Strikes						
Shoring		None						Date and Time		Strike	Rising to	Time	Remarks	
Stability		Stable						08/11/2022 09:59		0.23	0.00	20mins	Seepage	
						08/11/2022 10:11		0.70	0.35	20mins	Fast inflow from Face C			
Remarks														
Machine excavated trial pit from GL to 0.70m														