

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Machine excavated trial pit from GL to 3.90m.		Exploratory Hole
						S1-TP102
Project	Global Centre of Rail Excellence	Easting	283137.81	Equipment	20 Tonne Tracked Excavator	Sheet 2 of 3
Client	Walters UK Limited	Northing	211964.61	Method	TP	
Project No	G22069	Level	221.85 mAOD	Termination Reason	Hard ground. Unable to progress	



S1-TP102 - Face C

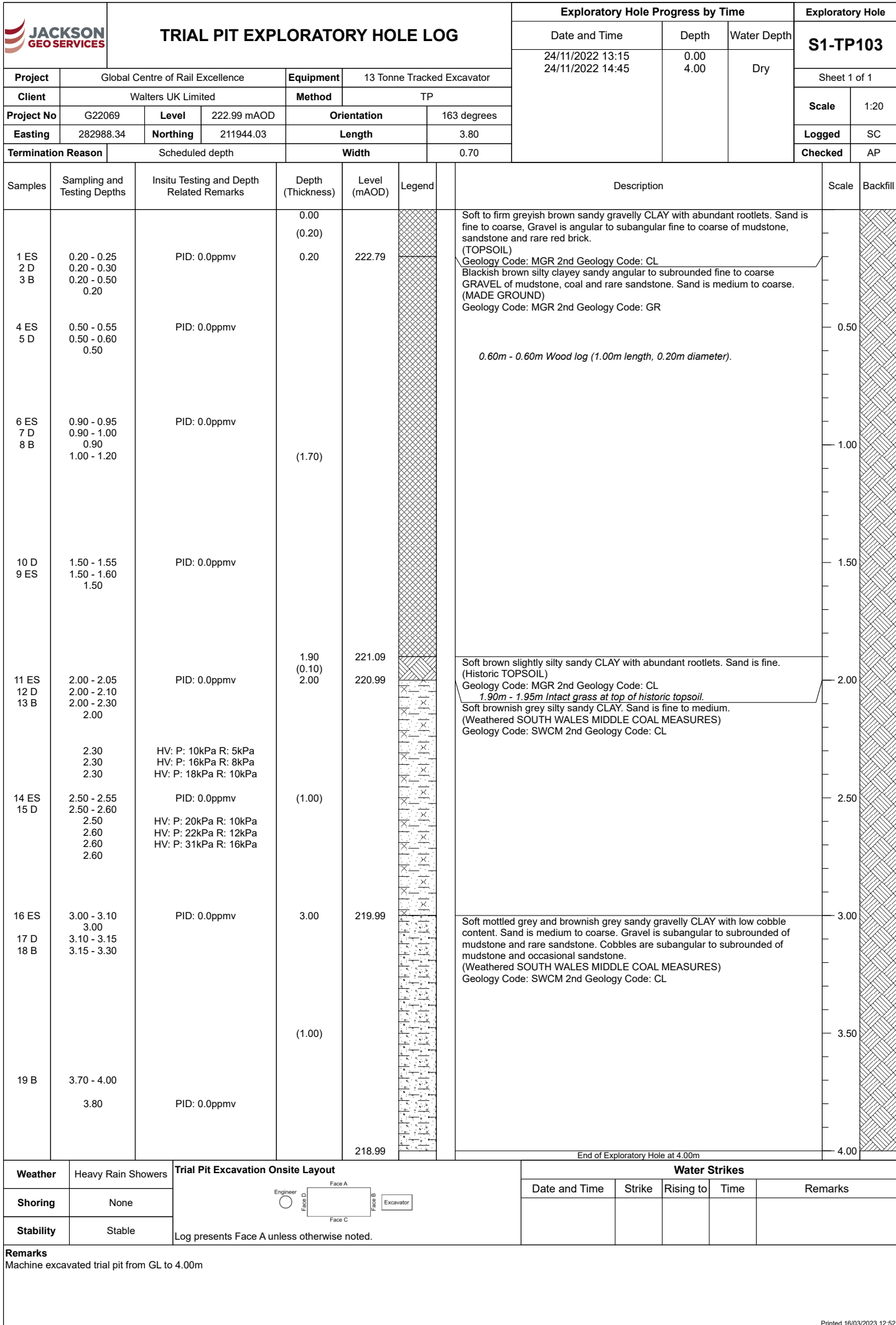


S1-TP102 - Face D

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Machine excavated trial pit from GL to 3.90m.		Exploratory Hole
						S1-TP102
Project	Global Centre of Rail Excellence	Easting	283137.81	Equipment	20 Tonne Tracked Excavator	Sheet 3 of 3
Client	Walters UK Limited	Northing	211964.61	Method	TP	
Project No	G22069	Level	221.85 mAOD	Termination Reason	Hard ground. Unable to progress	



S1-TP102 - Spoil



		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Machine excavated trial pit from GL to 4.00m		Exploratory Hole
						S1-TP103
Project	Global Centre of Rail Excellence	Easting	282988.34	Equipment	13 Tonne Tracked Excavator	Sheet 1 of 3
Client	Walters UK Limited	Northing	211944.03	Method	TP	
Project No	G22069	Level	222.99 mAOD	Termination Reason	Scheduled depth	



S1-TP103 - Face A



S1-TP103 - Face B

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Machine excavated trial pit from GL to 4.00m		Exploratory Hole
						S1-TP103
Project	Global Centre of Rail Excellence	Easting	282988.34	Equipment	13 Tonne Tracked Excavator	Sheet 2 of 3
Client	Walters UK Limited	Northing	211944.03	Method	TP	
Project No	G22069	Level	222.99 mAOD	Termination Reason	Scheduled depth	



S1-TP103 - Face C



S1-TP103 - Face D



EXPLORATORY HOLE PHOTOGRAPHS

Remarks
Machine excavated trial pit from GL to 4.00m

Exploratory Hole
S1-TP103

Project	Global Centre of Rail Excellence	Easting	282988.34	Equipment	13 Tonne Tracked Excavator
Client	Walters UK Limited	Northing	211944.03	Method	TP
Project No	G22069	Level	222.99 mAOD	Termination Reason	Scheduled depth

Sheet 3 of 3



S1-TP103 - Spoil

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Machine excavated trial pit from GL to 4.00m		Exploratory Hole
						S1-TP104
Project	Global Centre of Rail Excellence	Easting	283088.57	Equipment	13 Tonne Tracked Excavator	Sheet 1 of 3
Client	Walters UK Limited	Northing	211928.77	Method	TP	
Project No	G22069	Level	227.97 mAOD	Termination Reason	Scheduled depth	



S1-TP104 - Face A



S1-TP104 - Face B

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Machine excavated trial pit from GL to 4.00m		Exploratory Hole
						S1-TP104
Project	Global Centre of Rail Excellence	Easting	283088.57	Equipment	13 Tonne Tracked Excavator	Sheet 2 of 3
Client	Walters UK Limited	Northing	211928.77	Method	TP	
Project No	G22069	Level	227.97 mAOD	Termination Reason	Scheduled depth	



S1-TP104 - Face C

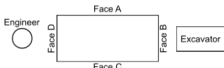


S1-TP104 - Face D

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Machine excavated trial pit from GL to 4.00m		Exploratory Hole
						S1-TP104
Project	Global Centre of Rail Excellence	Easting	283088.57	Equipment	13 Tonne Tracked Excavator	Sheet 3 of 3
Client	Walters UK Limited	Northing	211928.77	Method	TP	
Project No	G22069	Level	227.97 mAOD	Termination Reason	Scheduled depth	



S1-TP104 - Spoil

				TRIAL PIT EXPLORATORY HOLE LOG				Exploratory Hole Progress by Time			Exploratory Hole		
Date and Time		Depth	Water Depth					S1-TP105					
28/11/2022 11:30		0.00	0.50	Sheet 1 of 1									
28/11/2022 12:00		0.80		Scale 1:20									
Project	Global Centre of Rail Excellence			Equipment	20 Tonne Tracked Excavator			Logged	SC				
Client	Walters UK Limited			Method	TP			Checked	AP				
Project No	G22069	Level	232.19 mAOD	Orientation	345 degrees								
Easting	283229.20	Northing	211913.38	Length	6.00								
Termination Reason	Water strike			Width	1.40								
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks	Depth (Thickness)	Level (mAOD)	Legend	Description	Scale	Backfill					
1 D 2 ES 3 B	0.20 - 0.30 0.20 - 0.30 0.20 - 0.40 0.20	PID: 0.0ppmv	0.00 (0.30) 0.30	231.89		Firm greyish brown sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of mudstone with rare coal and sandstone. (TOPSOIL) Geology Code: MGR 2nd Geology Code: CL	0.50						
4 ES 5 D 6 B	0.50 - 0.60 0.50 - 0.60 0.50 - 0.70 0.50	PID: 0.0ppmv	(0.30) 0.60	231.59		Firm dark grey sandy gravelly CLAY. Sand is medium to coarse. Gravel is angular to subangular fine to coarse of mudstone and occasional coal. (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR							
7 D	0.70 - 0.80		(0.20)	231.39		Light brownish grey sandy angular fine to coarse GRAVEL of mudstone. Sand is coarse. (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR 0.60m - 0.70m Wooden sleeper (1.40m length, 0.20m diameter) End of Exploratory Hole at 0.80m							
							1.00						
							1.50						
							2.00						
							2.50						
							3.00						
							3.50						
							4.00						
Weather	Overcast	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.				28/11/2022 11:40	0.50	0.50	20mins
Remarks													
Machine excavated trial pit from GL to 0.80m.													

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EXPLORATORY HOLE PHOTOGRAPHS

Remarks Machine excavated trial pit from GL to 0.80m.	Exploratory Hole
	S1-TP105

Project	Global Centre of Rail Excellence	Easting	283229.20	Equipment	20 Tonne Tracked Excavator
Client	Walters UK Limited	Northing	211913.38	Method	TP
Project No	G22069	Level	232.19 mAOD	Termination Reason	Water strike

Sheet 1 of 3



S1-TP105 - Face A



S1-TP105 - Face B

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Machine excavated trial pit from GL to 0.80m.		Exploratory Hole
						S1-TP105
Project	Global Centre of Rail Excellence	Easting	283229.20	Equipment	20 Tonne Tracked Excavator	Sheet 2 of 3
Client	Walters UK Limited	Northing	211913.38	Method	TP	
Project No	G22069	Level	232.19 mAOD	Termination Reason	Water strike	



S1-TP105 - Face C

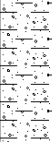
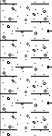
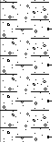
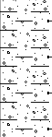
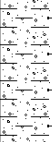
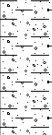


S1-TP105 - Face D

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Machine excavated trial pit from GL to 0.80m.		Exploratory Hole
						S1-TP105
Project	Global Centre of Rail Excellence	Easting	283229.20	Equipment	20 Tonne Tracked Excavator	Sheet 3 of 3
Client	Walters UK Limited	Northing	211913.38	Method	TP	
Project No	G22069	Level	232.19 mAOD	Termination Reason	Water strike	



S1-TP105 - Spoil

		TRIAL PIT EXPLORATORY HOLE LOG					Exploratory Hole Progress by Time			Exploratory Hole					
							Date and Time		Depth	Water Depth	S1-TP106				
							25/11/2022 13:43 25/11/2022 14:57		0.00 4.00	Dry					
Project	Global Centre of Rail Excellence			Equipment	13 Tonne Tracked Excavator		Sheet 1 of 1								
Client	Walters UK Limited			Method	TP		Scale 1:20								
Project No	G22069	Level	233.81 mAOD	Orientation		358 degrees		Logged SC							
Easting	283353.37	Northing	211926.22	Length		5.00		Checked AP							
Termination Reason		Scheduled depth		Width		0.70									
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Depth (Thickness)	Level (mAOD)	Legend	Description			Scale	Backfill				
1 B	0.10 - 0.30	PID: 0.0ppmv		0.00	233.41		Soft blackish grey sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of mudstone and rare sandstone. (TOPSOIL) Geology Code: MGR 2nd Geology Code: CL			0.50					
2 ES	0.20 - 0.30														
3 D	0.20 - 0.30 0.20														
4 B	0.50 - 0.60	PID: 0.0ppmv		0.40	233.01		Greyish brown clayey sandy angular to subangular fine to coarse GRAVEL of mudstone and occasional sandstone with low cobble and boulder content. Sand is medium to coarse. Cobbles are subangular of mudstone. Singular boulders is subrounded (400x450x400mm) of sandstone. (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR			1.00					
5 D	0.50 - 0.60														
6 ES	0.50 - 0.70 0.50														
7 B	0.80 - 1.00	PID: 0.0ppmv		0.80	232.51		Firm greyish brown sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse of mudstone and rare sandstone. (MADE GROUND) Geology Code: MGR 2nd Geology Code: CL			1.50					
8 D	0.90 - 1.00														
9 ES	1.00 - 1.10 1.00														
10 B	1.50 - 1.60	PID: 0.0ppmv		1.30	232.31		Dark grey sandy gravelly CLAY with some rootlets. Sand is fine to coarse. Gravel is angular to subangular fine to medium of mudstone and rare coal. (MADE GROUND) Geology Code: MGR 2nd Geology Code: CL			2.00					
11 D	1.50 - 1.60														
12 ES	1.50 - 1.70 1.50														
13 B	1.80	HV: P: 44kPa R: 26kPa HV: P: 58kPa R: 30kPa HV: P: 65kPa R: 22kPa		1.50	2.00		Firm mottled brownish grey and orangish brown sandy gravelly CLAY. Sand is medium. Gravel is subangular to rounded fine to coarse of mudstone and sandstone. (Weathered SOUTH WALES MIDDLE COAL MEASURES) Geology Code: SWCM 2nd Geology Code: CL			2.50					
14 D	1.90 - 2.00														
15 ES	1.90 - 2.10 2.00 - 2.10 2.00														
16 B	2.20	HV: P: 56kPa R: 28kPa HV: P: 56kPa R: 31kPa HV: P: 58kPa R: 26kPa		2.20	2.50		2.60m - 4.00m Becoming very gravelly			3.00					
17 D	2.50 - 2.70														
18 B	2.60														
19 D	2.60	PID: 0.0ppmv		2.60	3.00					3.50					
20 D	3.00 - 3.10														
21 B	3.00 - 3.20														
22 D	3.00	PID: 0.0ppmv		3.00	3.50					4.00					
23 D	3.50 - 3.60														
24 D	3.80 - 4.00														
25 D	3.90 - 4.00 3.90	PID: 0.0ppmv		3.90	4.00					4.00					
26 D	3.90 - 4.00														
27 D	3.90														
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 excavate trial pit from GL to 4.00m															

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		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Machine excavate trial pit from GL to 4.00m		Exploratory Hole
						S1-TP106
Project	Global Centre of Rail Excellence	Easting	283353.37	Equipment	13 Tonne Tracked Excavator	Sheet 1 of 3
Client	Walters UK Limited	Northing	211926.22	Method	TP	
Project No	G22069	Level	233.81 mAOD	Termination Reason	Scheduled depth	



S1-TP106 Face A



S1-TP106 Face B

EXPLORATORY HOLE PHOTOGRAPHS

Remarks
Machine excavate trial pit from GL to 4.00m

Exploratory Hole
S1-TP106

Project	Global Centre of Rail Excellence	Easting	283353.37	Equipment	13 Tonne Tracked Excavator
Client	Walters UK Limited	Northing	211926.22	Method	TP
Project No	G22069	Level	233.81 mAOD	Termination Reason	Scheduled depth

Sheet 2 of 3



S1-TP106 Face C



S1-TP106 Face D

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Machine excavate trial pit from GL to 4.00m		Exploratory Hole
						S1-TP106
Project	Global Centre of Rail Excellence	Easting	283353.37	Equipment	13 Tonne Tracked Excavator	Sheet 3 of 3
Client	Walters UK Limited	Northing	211926.22	Method	TP	
Project No	G22069	Level	233.81 mAOD	Termination Reason	Scheduled depth	



S1-TP106 Spoil



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 1 of 3



S1-TP109 - Face A



S1-TP109 - Face B