

EXPLORATORY HOLE PHOTOGRAPHS

Remarks Machine excavated trial pit from GL to 2.00m.		Exploratory Hole
		Emb 2 Soakaway
Equipment	13 Tonne Tracked Excavator	Sheet 1 of 2
Method	TP	
Termination Reason	Scheduled depth	



Embankment 2 Soakaway Spoil



Embankment 2 Soakaway Face D



EXPLORATORY HOLE PHOTOGRAPHS

Remarks Machine excavated trial pit from GL to 2.00m.		Exploratory Hole
		Emb 2 Soakaway
Equipment	13 Tonne Tracked Excavator	Sheet 2 of 2
Method	TP	
Termination Reason	Scheduled depth	



Embankment 2 Soakaway Face B



Embankment 2 Soakaway Face A

EXPLORATORY HOLE PHOTOGRAPHS

Remarks
Machine excavated trial pit from GL to 2.40m

Exploratory Hole
S1-TP101

Project	Global Centre of Rail Excellence	Easting	282949.73	Equipment	13 Tonne Tracked Excavator
Client	Walters UK Limited	Northing	211957.75	Method	TP
Project No	G22069	Level	219.41 mAOD	Termination Reason	Terminated due to instability

Sheet 1 of 3



S1-TP101 - Face A



S1-TP101 - Face B

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Machine excavated trial pit from GL to 2.40m		Exploratory Hole
						S1-TP101
Project	Global Centre of Rail Excellence	Easting	282949.73	Equipment	13 Tonne Tracked Excavator	Sheet 2 of 3
Client	Walters UK Limited	Northing	211957.75	Method	TP	
Project No	G22069	Level	219.41 mAOD	Termination Reason	Terminated due to instability	



S1-TP101 - Face C



S1-TP101 - Face D



EXPLORATORY HOLE PHOTOGRAPHS

Remarks Machine excavated trial pit from GL to 2.40m	Exploratory Hole
	S1-TP101

Project	Global Centre of Rail Excellence	Easting	282949.73	Equipment	13 Tonne Tracked Excavator
Client	Walters UK Limited	Northing	211957.75	Method	TP
Project No	G22069	Level	219.41 mAOD	Termination Reason	Terminated due to instability

Sheet 3 of 3



S1-TP101 - Spoil

				TRIAL PIT EXPLORATORY HOLE LOG				Exploratory Hole Progress by Time			Exploratory Hole						
Date and Time		Depth	Water Depth					S1-TP102									
28/11/2022 14:30 28/11/2022 15:25		0.00 3.90	Dry														
Project		Global Centre of Rail Excellence		Equipment		20 Tonne Tracked Excavator				Sheet 1 of 1							
Client		Walters UK Limited		Method		TP				Scale		1:20					
Project No		G22069		Level		221.85 mAOD				Orientation		90 degrees					
Easting		283137.81		Northing		211964.61		Length		6.10							
Termination Reason		Hard ground. Unable to progress		Width		1.40		Checked		AP							
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	PID: 0.0ppmv		(0.40)	221.45		Firm dark brown sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of mudstone coal rare sandstone and rare coarse gravel sized wood fragments. (MADE GROUND) Geology Code: MGR 2nd Geology Code: CL				0.50						
4 D 6 B 5 ES	0.40 - 0.50 0.40 - 0.60 0.50 - 0.60	PID: 0.0ppmv		(0.40)			Dark grey sandy gravelly CLAY with medium cobble content. Sand is medium to coarse. Gravel is angular to subangular fine to coarse of mudstone and rare coal. Cobbles are angular to subangular of mudstone. (MADE GROUND) Geology Code: MGR 2nd Geology Code: CL										
7 D 8 ES 9 B	0.90 - 1.00 0.90 - 1.00 0.90 - 1.10	HV: P: 20kPa R: 12kPa HV: P: 23kPa R: 14kPa HV: P: 24kPa R: 14kPa		(0.40)			Soft grey mottled with orangish grey silty slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular to subrounded fine to coarse of mudstone and sandstone. (Weathered SOUTH WALES MIDDLE COAL MEASURES) Geology Code: SWCM 2nd Geology Code: CL										
10 D 11 ES	1.50 - 1.60 1.50 - 1.60 1.50	PID: 0.0ppmv		(1.00)	221.05		Dark grey clayey sandy angular fine to coarse GRAVEL of mudstone. Sand is fine to coarse. (Weathered SOUTH WALES MIDDLE COAL MEASURES) Geology Code: SWCM 2nd Geology Code: CL				1.00						
12 D 13 ES 14 B	0.90 0.90 0.90	HV: P: 22kPa R: 10kPa HV: P: 28kPa R: 14kPa HV: P: 30kPa R: 22kPa		(1.00)			Dark grey clayey sandy angular fine to coarse GRAVEL of mudstone. Sand is fine to coarse. (Weathered SOUTH WALES MIDDLE COAL MEASURES) Geology Code: SWCM 2nd Geology Code: GR										
15 D	1.10 1.10 1.10	PID: 0.0ppmv		(1.00)			Dark grey slightly clayey sandy fine to coarse angular GRAVEL of mudstone with high cobble content and low boulder content. Sand is medium to coarse. Cobbles are angular of mudstone. Boulders are angular of mudstone (400x450x400mm). (Weathered SOUTH WALES COAL MIDDLE MEASURES) Geology Code: SWCM 2nd Geology Code: GR										
16 D 17 B	1.90 - 2.00 1.90 - 2.00 1.90 - 2.10	PID: 0.0ppmv		(0.40)	220.05		Dark grey slightly clayey sandy fine to coarse angular GRAVEL of mudstone with high cobble content and low boulder content. Sand is medium to coarse. Cobbles are angular of mudstone. Boulders are angular of mudstone (400x450x400mm). (Weathered SOUTH WALES COAL MIDDLE MEASURES) Geology Code: SWCM 2nd Geology Code: GR				1.50						
18 D	2.40 - 2.50	PID: 0.0ppmv		(0.40)			Dark grey slightly clayey sandy fine to coarse angular GRAVEL of mudstone with high cobble content and low boulder content. Sand is medium to coarse. Cobbles are angular of mudstone. Boulders are angular of mudstone (400x450x400mm). (Weathered SOUTH WALES COAL MIDDLE MEASURES) Geology Code: SWCM 2nd Geology Code: GR										
19 B 20 D	2.90 - 3.00 2.90 - 3.10 2.90	PID: 0.0ppmv		(0.40)			Dark grey slightly clayey sandy fine to coarse angular GRAVEL of mudstone with high cobble content and low boulder content. Sand is medium to coarse. Cobbles are angular of mudstone. Boulders are angular of mudstone (400x450x400mm). (Weathered SOUTH WALES COAL MIDDLE MEASURES) Geology Code: SWCM 2nd Geology Code: GR										
15 D	2.40 - 2.50	PID: 0.0ppmv		(1.70)	219.65		Dark grey slightly clayey sandy fine to coarse angular GRAVEL of mudstone with high cobble content and low boulder content. Sand is medium to coarse. Cobbles are angular of mudstone. Boulders are angular of mudstone (400x450x400mm). (Weathered SOUTH WALES COAL MIDDLE MEASURES) Geology Code: SWCM 2nd Geology Code: GR				2.00						
16 D 17 B	2.90 - 3.00 2.90 - 3.10 2.90	PID: 0.0ppmv		(1.70)			Dark grey slightly clayey sandy fine to coarse angular GRAVEL of mudstone with high cobble content and low boulder content. Sand is medium to coarse. Cobbles are angular of mudstone. Boulders are angular of mudstone (400x450x400mm). (Weathered SOUTH WALES COAL MIDDLE MEASURES) Geology Code: SWCM 2nd Geology Code: GR										
18 D	3.50 - 3.60	PID: 0.0ppmv		(1.70)			Dark grey slightly clayey sandy fine to coarse angular GRAVEL of mudstone with high cobble content and low boulder content. Sand is medium to coarse. Cobbles are angular of mudstone. Boulders are angular of mudstone (400x450x400mm). (Weathered SOUTH WALES COAL MIDDLE MEASURES) Geology Code: SWCM 2nd Geology Code: GR										
19 B 20 D	3.80 - 3.90 3.90 3.90	PID: 0.0ppmv		(1.70)	217.95		Dark grey slightly clayey sandy fine to coarse angular GRAVEL of mudstone with high cobble content and low boulder content. Sand is medium to coarse. Cobbles are angular of mudstone. Boulders are angular of mudstone (400x450x400mm). (Weathered SOUTH WALES COAL MIDDLE MEASURES) Geology Code: SWCM 2nd Geology Code: GR				2.50						
16 D 17 B	2.90 - 3.00 2.90 - 3.10 2.90	PID: 0.0ppmv		(1.70)			Dark grey slightly clayey sandy fine to coarse angular GRAVEL of mudstone with high cobble content and low boulder content. Sand is medium to coarse. Cobbles are angular of mudstone. Boulders are angular of mudstone (400x450x400mm). (Weathered SOUTH WALES COAL MIDDLE MEASURES) Geology Code: SWCM 2nd Geology Code: GR										
18 D	3.50 - 3.60	PID: 0.0ppmv		(1.70)			Dark grey slightly clayey sandy fine to coarse angular GRAVEL of mudstone with high cobble content and low boulder content. Sand is medium to coarse. Cobbles are angular of mudstone. Boulders are angular of mudstone (400x450x400mm). (Weathered SOUTH WALES COAL MIDDLE MEASURES) Geology Code: SWCM 2nd Geology Code: GR										
End of Exploratory Hole at 3.90m											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.									
Remarks																	
Machine excavated trial pit from GL to 3.90m.																	

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
Client	Walters UK Limited	Northing	211964.61	Method	TP
Project No	G22069	Level	221.85 mAOD	Termination Reason	Hard ground. Unable to progress

Sheet 1 of 3



S1-TP102 - Face A



S1-TP102 - Face B

		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

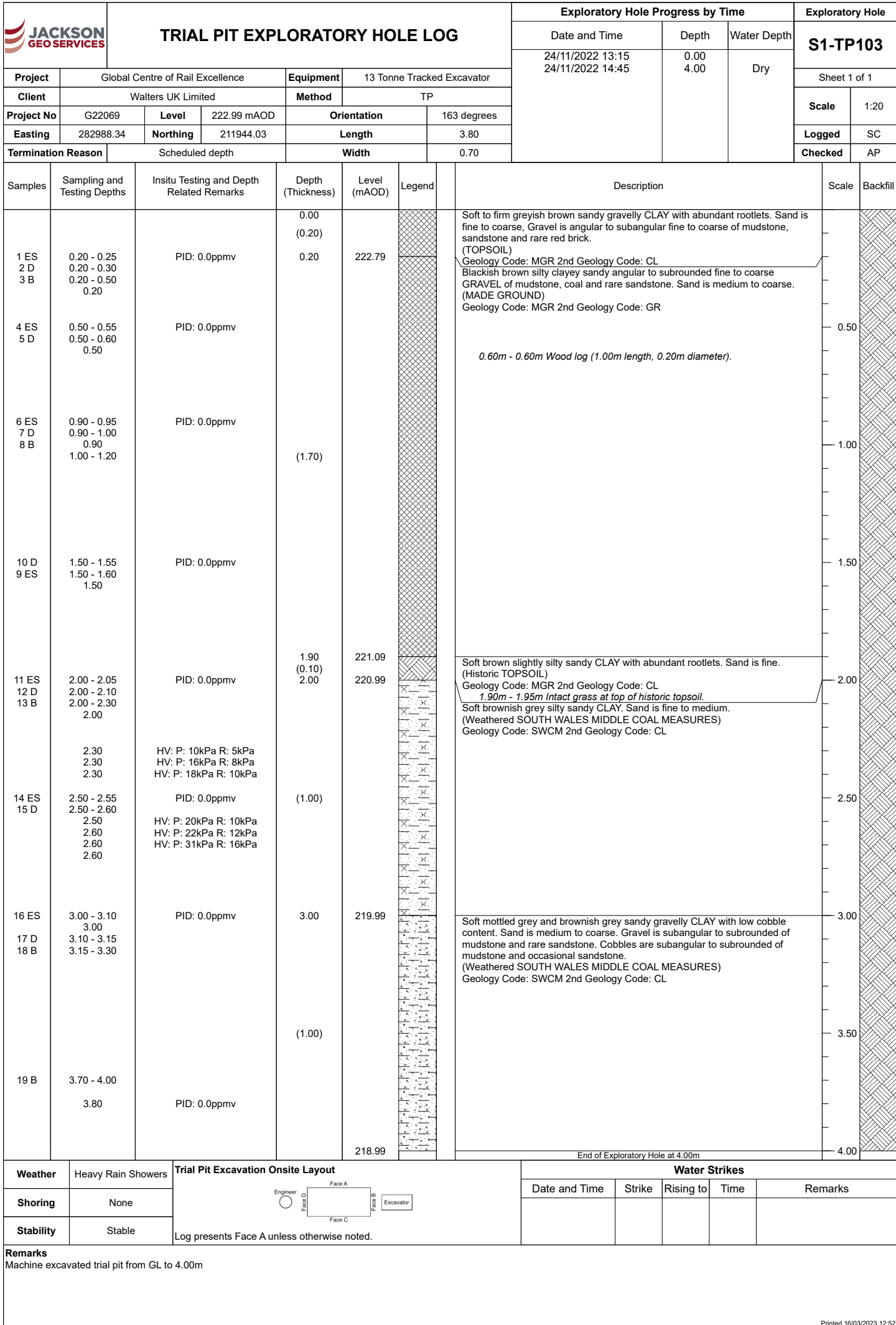


S1-TP102 - Face D

		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	Sheet 3 of 3
Client	Walters UK Limited	Northing	211944.03	Method	TP	
Project No	G22069	Level	222.99 mAOD	Termination Reason	Scheduled depth	



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