

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	282352.57	Equipment	JCB 220X 1c	Sheet 3 of 4
Client	Walters UK Ltd	Northing	210988.88	Method	TP	
Project No	G23012	Level	291.92 mAOD	Termination Reason	Terminated due to collapse	



S2-TP243 Spoil



S2-TP243 Pre Excavation



EXPLORATORY HOLE PHOTOGRAPHS

Exploratory Hole
S2-TP243

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	282352.57	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210988.88	Method	TP
Project No	G23012	Level	291.92 mAOD	Termination Reason	Terminated due to collapse

Sheet 4 of 4



S2-TP243 Face B



S2-TP243 Spoil

		TRIAL PIT EXPLORATORY HOLE LOG					Exploratory Hole Progress by Time			Exploratory Hole		
							Date and Time		Depth	Water Depth	S2-TP244	
							20/04/2023 15:10 20/04/2023 16:00		0.00 3.00	Dry		
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	JCB 220X Ic				Sheet 1 of 1			
Client	Walters UK Ltd			Method	TP				Scale	1:20		
Project No	G23012	Level	324.64 mAOD	Orientation		230 degrees				Logged	CE	
Easting	281848.85	Northing	210897.74	Length		4.50				Checked	AP	
Termination Reason		Terminated due to collapse		Width		0.60						
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Depth (Thickness)	Level (mAOD)	Legend	Description			Scale	Backfill	
1 ES	0.00 - 0.60	Too granular for hand vanes.		0.00	324.04		Soft brown and greyish brown slightly sandy gravelly silty CLAY with high cobble content and high boulder content. Gravel is angular and subangular fine to coarse of siltstone, sandstone and rare mudstone. Cobbles (200x120x70mm) and boulders (600x500x500mm) are medium strong and strong of angular siltstone and sandstone. Sand is fine and medium. (MADE GROUND) Geology Code: MGR 2nd Geology Code: CL			0.50		
	0.20 - 0.30 0.20	PID: 0.0ppmv		(0.60)								
	0.40 - 0.50											
2 D	0.40 - 0.50											
3 ES	0.50 - 0.60 0.50	PID: 0.0ppmv		0.60								
4 B	0.70 - 0.90											
5 ES	0.90 - 1.00 0.90	PID: 0.0ppmv					Dark grey sandy clayey angular and subangular fine to coarse GRAVEL of siltstone, sandstone and mudstone with high cobble content and medium boulder content. Cobbles (200x120x70mm) and boulders (630x500x500mm) are angular of medium strong siltstone and sandstone. Sand is fine to coarse. Occasional irregular pockets of gravelly clay (up to 400mm). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR 0.60m - 1.30m Large boulder (approximately 1100x800x700mm).			1.00		
6 B	1.70 - 1.90											1.50
7 ES	1.90 - 2.00 1.90	PID: 0.0ppmv		(2.40)								2.00
8 B	2.70 - 2.90									2.50		
9 ES	2.90 - 3.00 2.90	PID: 0.0ppmv			321.64					3.00		
							End of Exploratory Hole at 3.00m			3.50		
										4.00		
Weather	Sunny, windy	Trial Pit Excavation Onsite Layout					Water Strikes					
Shoring	None						Date and Time		Strike	Rising to	Time	Remarks
Stability	Collapse between GL-3.00m Faces A and C											
Remarks												
Machine excavated trial pit from GL to 3.00m. Unable to photograph face C and with measuring staff due to instability of trial pit sides												

		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-TP244
Project	Global Centre of Rail Excellence (GCRC) Stage 2	Easting	281848.85	Equipment	JCB 220X 1c	Sheet 1 of 3
Client	Walters UK Ltd	Northing	210897.74	Method	TP	
Project No	G23012	Level	324.64 mAOD	Termination Reason	Terminated due to collapse	



S2-TP244 Post Excavation



S2-TP244 Face D

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	281848.85	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210897.74	Method	TP
Project No	G23012	Level	324.64 mAOD	Termination Reason	Terminated due to collapse



S2-TP244 Face C



S2-TP244 Pre Excavation



EXPLORATORY HOLE PHOTOGRAPHS

Exploratory Hole

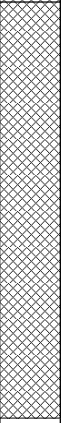
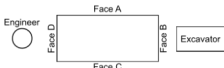
S2-TP244

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	281848.85	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210897.74	Method	TP
Project No	G23012	Level	324.64 mAOD	Termination Reason	Terminated due to collapse

Sheet 3 of 3



S2-TP244 Face B

		TRIAL PIT EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time			Exploratory Hole		
								Date and Time		Depth	Water Depth	S2-TP245	
								18/04/2023 12:56 18/04/2023 13:30		0.00 3.50	Dry		
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	JCB 220X Ic					Sheet 1 of 1			
Client	Walters UK Ltd			Method	TP					Scale	1:20		
Project No	G23012	Level	254.91 mAOD	Orientation		60 degrees				Logged	CE		
Easting	281433.68	Northing	210891.94	Length		4.00				Checked	AP		
Termination Reason		Scheduled depth		Width		0.60							
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 0.20	PID: 0.0ppmv		0.00			Dark grey sandy clayey angular and subangular fine to coarse GRAVEL of siltstone, sandstone and mudstone with high cobble content and low boulder content. Cobbles (200x120x70mm) and boulders (400x300x200mm) of angular siltstone and sandstone. Sand is fine and medium. (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR			0.50			
2 B	0.40 - 0.60												
3 ES	0.50 - 0.60 0.50	PID: 0.0ppmv											
4 ES	0.90 - 1.00 0.90	PID: 0.0ppmv		(2.40)						1.00			
5 B	1.40 - 1.60												
6 ES	1.90 - 2.00 1.90	PID: 0.0ppmv											
7 D	2.40 - 2.50 2.40 - 3.50	Too granular for hand vanes		2.40	252.51		Dark grey sandy gravelly CLAY with high cobble content. Gravel is angular and subangular fine to coarse of siltstone, sandstone and rare mudstone with high cobble content. Cobbles (200x120x70mm) of angular siltstone and sandstone. Sand is fine and medium. (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR			2.50			
8 ES	2.90 - 3.00												
9 D	2.90 - 3.00 2.90	PID: 0.0ppmv											
10 D	3.40 - 3.50				251.41		End of Exploratory Hole at 3.50m			3.50			
												4.00	
Weather	Sunny	Trial Pit Excavation Onsite Layout 					Water Strikes						
Shoring	None						Date and Time		Strike	Rising to	Time	Remarks	
Stability	Collapse GL-2.40m Faces A and C												
Remarks													
Machine excavated trial pit from GL to 3.50m													

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EXPLORATORY HOLE PHOTOGRAPHS

Exploratory Hole

S2-TP245

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	281433.68	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210891.94	Method	TP
Project No	G23012	Level	254.91 mAOD	Termination Reason	Scheduled depth

Sheet 1 of 4



S2-TP245 Spoil



S2-TP245 Post Excavation

		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-TP245
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	281433.68	Equipment	JCB 220X lc	Sheet 2 of 4
Client	Walters UK Ltd	Northing	210891.94	Method	TP	
Project No	G23012	Level	254.91 mAOD	Termination Reason	Scheduled depth	



S2-TP245 Spoil



S2-TP245 Face D

		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-TP245
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	281433.68	Equipment	JCB 220X 1c	Sheet 3 of 4
Client	Walters UK Ltd	Northing	210891.94	Method	TP	
Project No	G23012	Level	254.91 mAOD	Termination Reason	Scheduled depth	



S2-TP245 Pre Excavation



S2-TP245 Face B

		EXPLORATORY HOLE PHOTOGRAPHS		Exploratory Hole	
				S2-TP245	
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	281433.68	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210891.94	Method	TP
Project No	G23012	Level	254.91 mAOD	Termination Reason	Scheduled depth

Sheet 4 of 4



S2-TP245 Face A



S2-TP245 Face C

		TRIAL PIT EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time			Exploratory Hole		
								Date and Time		Depth	Water Depth	S2-TP250	
								24/04/2023 10:15 24/04/2023 11:00		0.00 3.50	Dry		
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	JCB 220X Ic			Sheet 1 of 1		Scale 1:20			
Client	Walters UK Ltd			Method	TP								
Project No	G23012	Level	264.69 mAOD	Orientation		330 degrees		Logged CE		Checked AP			
Easting	282542.61	Northing	210692.14	Length		4.00							
Termination Reason		Scheduled depth		Width		0.60							
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 0.20	PID: 0.0ppmv		(3.50)	261.19		Dark grey sandy silty angular and subangular fine to coarse GRAVEL of siltstone, sandstone and mudstone with high cobble content and low boulder content. Cobbles (200 x 120x 70mm) and boulders (500x400x400mm) are angular of medium strong siltstone and sandstone. Sand is fine to coarse. (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR			0.50			
2 B	0.40 - 0.60												
3 ES	0.50 - 0.60 0.50	PID: 0.0ppmv											
4 ES	0.90 - 1.00 0.90	PID: 0.0ppmv											
5 B	1.40 - 1.60												
6 ES	1.90 - 2.00 1.90	PID: 0.0ppmv											
7 B	2.40 - 2.60												
8 ES	2.90 - 3.00 2.90	PID: 0.0ppmv											
9 B	3.40 - 3.50												
End of Exploratory Hole at 3.50m							3.50						
							4.00						
Weather	Rain	Trial Pit Excavation Onsite Layout					Water Strikes						
Shoring	None						Date and Time		Strike	Rising to	Time	Remarks	
Stability	Collapse GL-3.00m Faces A and C												
Remarks Machine excavated trial pit from GL to 3.50m													

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EXPLORATORY HOLE PHOTOGRAPHS

Exploratory Hole

S2-TP250

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	282542.61	Equipment	JCB 220X 1c	Sheet 1 of 4
Client	Walters UK Ltd	Northing	210692.14	Method	TP	
Project No	G23012	Level	264.69 mAOD	Termination Reason	Scheduled depth	



Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	282542.61	Equipment	JCB 220X Lc	Sheet 2 of 4
Client	Walters UK Ltd	Northing	210692.14	Method	TP	
Project No	G23012	Level	264.69 mAOD	Termination Reason	Scheduled depth	



		EXPLORATORY HOLE PHOTOGRAPHS		Exploratory Hole	
				S2-TP250	
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	282542.61	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210692.14	Method	TP
Project No	G23012	Level	264.69 mAOD	Termination Reason	Scheduled depth

Sheet 3 of 4





EXPLORATORY HOLE PHOTOGRAPHS

Exploratory Hole

S2-TP250

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	282542.61	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210692.14	Method	TP
Project No	G23012	Level	264.69 mAOD	Termination Reason	Scheduled depth

Sheet 4 of 4



JACKSON GEO SERVICES		TRIAL PIT EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time			Exploratory Hole		
								Date and Time		Depth	Water Depth	S2-TP251	
								24/04/2023 13:40 24/04/2023 14:15		0.00 3.00	Dry		
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	JCB 220X Ic					Sheet 1 of 1			
Client	Walters UK Ltd			Method	TP					Scale	1:20		
Project No	G23012	Level	270.65 mAOD	Orientation		180 degrees				Logged	CE		
Easting	282938.80	Northing	210688.76	Length		3.80				Checked	AP		
Termination Reason		Terminated due to collapse			Width		0.60						
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Depth (Thickness)	Level (mAOD)	Legend	Description			Scale	Backfill		
1 ES 2 B	0.20 - 0.30 0.20 0.30 - 0.50	PID: 0.0ppmv		0.00 (0.50)	270.15		Brown with occasional orangish brown staining slightly sandy clayey angular to subrounded fine to coarse GRAVEL of siltstone and sandstone. Sandy is fine and medium. (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR						
3 ES 4 B	0.50 - 0.60 0.50 0.70 - 0.90	PID: 0.0ppmv		0.50			Dark grey sandy clayey angular and subangular fine to coarse GRAVEL of siltstone, sandstone and mudstone with occasional orangish brown staining, high cobble content and high boulder content and medium large boulder content. Cobbles (200 x 120x 70mm) boulders (500x400x400mm) and large boulders (650 x 600x 500mm) are angular of medium strong siltstone and sandstone. Sand is fine to coarse. (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR						
5 ES	0.90 - 1.00 0.90	PID: 0.0ppmv											
6 B	1.70 - 1.90												
7 ES	1.90 - 2.00 1.90	PID: 0.0ppmv											
8 B	2.70 - 2.90												
9 ES	2.90 - 3.00 2.90	PID: 0.0ppmv											
				267.65			2.50m - 3.00m Locally high large boulder content (1000 x 700 x 450mm)						
							End of Exploratory Hole at 3.00m						
Weather		Rain		Trial Pit Excavation Onsite Layout Log presents Face A unless otherwise noted.			Water Strikes						
Shoring		None					Date and Time		Strike	Rising to	Time	Remarks	
Stability		Collapse between GL-3.00m in Faces A and C											
Remarks Machine excavated trial pit from GL to 3m													

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Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	282938.80	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210688.76	Method	TP
Project No	G23012	Level	270.65 mAOD	Termination Reason	Terminated due to collapse



S2-TP251 Post Excavation



S2-TP251 Spoil

		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-TP251
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	282938.80	Equipment	JCB 220X 1c	Sheet 2 of 4
Client	Walters UK Ltd	Northing	210688.76	Method	TP	
Project No	G23012	Level	270.65 mAOD	Termination Reason	Terminated due to collapse	



S2-TP252 Pre Excavation



S2-TP251 Spoil