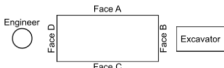


				TRIAL PIT EXPLORATORY HOLE LOG				Exploratory Hole Progress by Time			Exploratory Hole										
Date and Time		Depth	Water Depth					S2-TP271													
11/04/2023 09:00 11/04/2023 10:05		0.00 2.10	Dry																		
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	JCB 220X Ic			Sheet 1 of 1													
Client	Walters UK Ltd			Method	TP			Scale		1:20											
Project No	G23012	Level	233.07 mAOD	Orientation		80 degrees		Logged		AE											
Easting	284428.21	Northing	210516.97	Length		4.00		Checked		AP											
Termination Reason		Terminated due to services.		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			0.00	232.07		Grey sandy angular and subangular fine to coarse GRAVEL of siltstone and mudstone, with medium cobble content. Cobbles are subangular of medium strong siltstone. Sand is fine to coarse. Rare concrete fragments (up to 40mm) and rare brick fragments (up to 50mm). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR			0.50											
2 B	0.40 - 0.60																				
3 ES	0.50 - 0.60																				
4 ES	0.90 - 1.00	Drainage pipe. Pit extended to avoid service.		1.00	231.17		Dark grey very gravelly slightly clayey fine to coarse SAND with low cobble content. Gravel is subangular to subrounded fine to coarse of siltstone. Cobbles are subangular of medium strong siltstone. Rare brick fragments (up to 120mm) and rare timber fragments (up to 20mm). (MADE GROUND) Geology Code: MGR 2nd Geology Code: SD			1.00											
5 B	1.20 - 1.40																				
	1.50			(0.90)						1.50											
6 ES	1.90 - 2.00	Electricity cable, possibly disused.		1.90	230.97		Brownish grey frequently stained oranigsh brown sandy angular fine to coarse GRAVEL of siltstone with high cobble content. Cobbles are angular to subangular of moderately weak to medium strong siltstone (140×100×80mm). Sand is fine to coarse. (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR End of Exploratory Hole at 2.10m			2.00											
7 B	1.90 - 2.10 2.00 - 2.10																				
Weather Overcast Shoring None Stability Stable Trial Pit Excavation Onsite Layout  Log presents Face A unless otherwise noted. Water Strikes <table><tr><th>Date and Time</th><th>Strike</th><th>Rising to</th><th>Time</th><th>Remarks</th></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table>												Date and Time	Strike	Rising to	Time	Remarks					
Date and Time	Strike	Rising to	Time	Remarks																	

Remarks

Machine excavated trial pit from GL to 2.10m

		EXPLORATORY HOLE PHOTOGRAPHS		Exploratory Hole	
				S2-TP271	
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284428.21	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210516.97	Method	TP
Project No	G23012	Level	233.07 mAOD	Termination Reason	Terminated due to services.

Sheet 1 of 4



S2-TP271 Face A



S2-TP271 Post Excavation

		EXPLORATORY HOLE PHOTOGRAPHS		Exploratory Hole	
				S2-TP271	
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284428.21	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210516.97	Method	TP
Project No	G23012	Level	233.07 mAOD	Termination Reason	Terminated due to services.

Sheet 2 of 4



S2-TP271 Spoil



S2-TP271 Spoil

EXPLORATORY HOLE PHOTOGRAPHS

Exploratory Hole
S2-TP271

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284428.21	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210516.97	Method	TP
Project No	G23012	Level	233.07 mAOD	Termination Reason	Terminated due to services.

Sheet 3 of 4



S2-TP271 Face D



S2-TP271 Face C



EXPLORATORY HOLE PHOTOGRAPHS

Exploratory Hole

S2-TP271

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284428.21	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210516.97	Method	TP
Project No	G23012	Level	233.07 mAOD	Termination Reason	Terminated due to services.

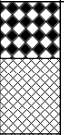
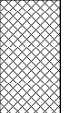
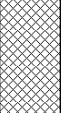
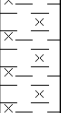
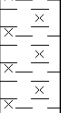
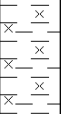
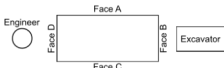
Sheet 4 of 4



S2-TP271 Face B



S2-TP271 Pre Excavation

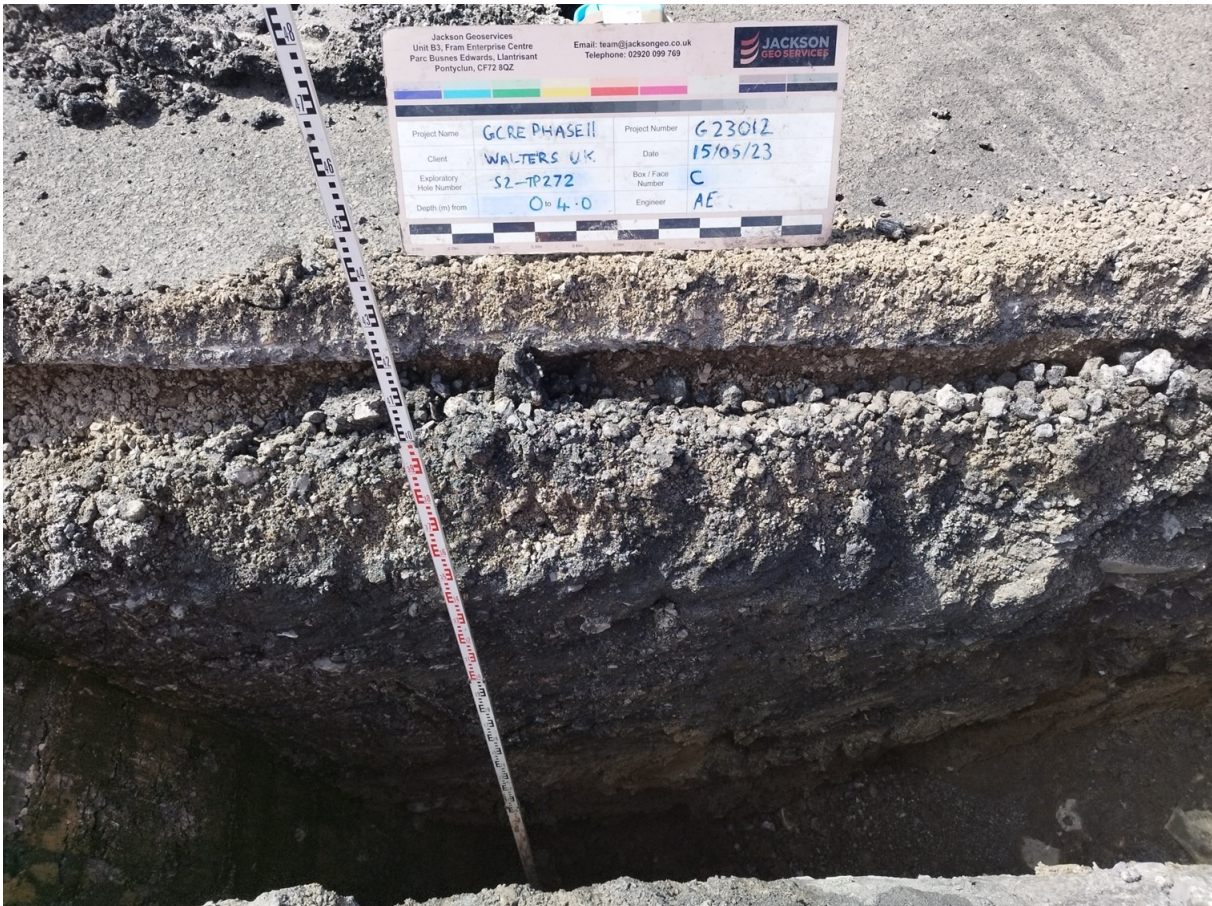
				TRIAL PIT EXPLORATORY HOLE LOG				Exploratory Hole Progress by Time			Exploratory Hole				
Date and Time		Depth	Water Depth					S2-TP272							
15/05/2023 13:45		0.00	Dry	Sheet 1 of 1											
15/05/2023 14:30		4.00													
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		JCB 220X Ic							
Client		Walters UK Ltd				Method		TP							
Project No		G23012	Level	239.44 mAOD	Orientation		5 degrees		Scale		1:20				
Easting		284998.17	Northing	210517.80	Length		5.00		Logged		AE				
Termination Reason		Scheduled depth.		Width		0.60		Checked		AP					
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Depth (Thickness)	Level (mAOD)	Legend	Description				Scale	Backfill			
1 B 2 ES	0.15 - 0.30 0.20 - 0.30 0.20	PID: 0.0ppmv		0.00 (0.15) 0.15	239.29		Dark grey MACADAM. (MADE GROUND) Geology Code: MGR 2nd Geology Code: Trmc				0.50				
				Light brown sandy angular to subrounded fine to coarse GRAVEL of quartzite and siltstone. Sand is fine to coarse. (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR											
3 ES	0.50 - 0.60 0.50	PID: 0.0ppmv		0.35	239.09		Dark grey gravelly silty fine to coarse SAND with low cobble content and occasional orangish brown tile fragments (up to 100mm). Gravel is angular to subangular fine to coarse of siltstone and occasional coal. Cobbles are angular to subrounded of medium strong siltstone (180×130×110mm). (MADE GROUND) Geology Code: MGR 2nd Geology Code: SD				1.00				
4 ES	0.90 - 1.00 0.90	PID: 0.1ppmv		(1.65)									1.50		
5 B	1.10 - 1.30				2.00	237.44									
6 ES	1.80 - 1.90 1.80	PID: 0.1ppmv		(2.00)											
7 D	2.20 - 2.30				(2.00)										
8 ES	2.50 - 2.60 2.50 2.50 2.50	HV: P: 55kPa R: 36kPa HV: P: 61kPa R: 35kPa HV: P: 62kPa R: 26kPa PID: 0.2ppmv		(2.00)											
9 D	2.70 - 2.80				(2.00)										
10 D	3.20 - 3.30			(2.00)											
11 D	3.50 3.50 3.50	HV: P: 31kPa R: 21kPa HV: P: 48kPa R: 32kPa HV: P: 60kPa R: 25kPa			(2.00)										
	3.70 - 3.80			(2.00)											
End of Exploratory Hole at 4.00m															
Weather	Sunny	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 4.00m.															

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Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284998.17	Equipment	JCB 220X 1c	Sheet 1 of 4
Client	Walters UK Ltd	Northing	210517.80	Method	TP	
Project No	G23012	Level	239.44 mAOD	Termination Reason	Scheduled depth.	



S2-TP272 Spoil



S2-TP272 Face C

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284998.17	Equipment	JCB 220X lc
Client	Walters UK Ltd	Northing	210517.80	Method	TP
Project No	G23012	Level	239.44 mAOD	Termination Reason	Scheduled depth.



S2-TP272 Post Excavation



S2-TP272 Face D

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284998.17	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210517.80	Method	TP
Project No	G23012	Level	239.44 mAOD	Termination Reason	Scheduled depth.

Sheet 3 of 4



S2-TP272 Pre Excavation



S2-TP272 Face B

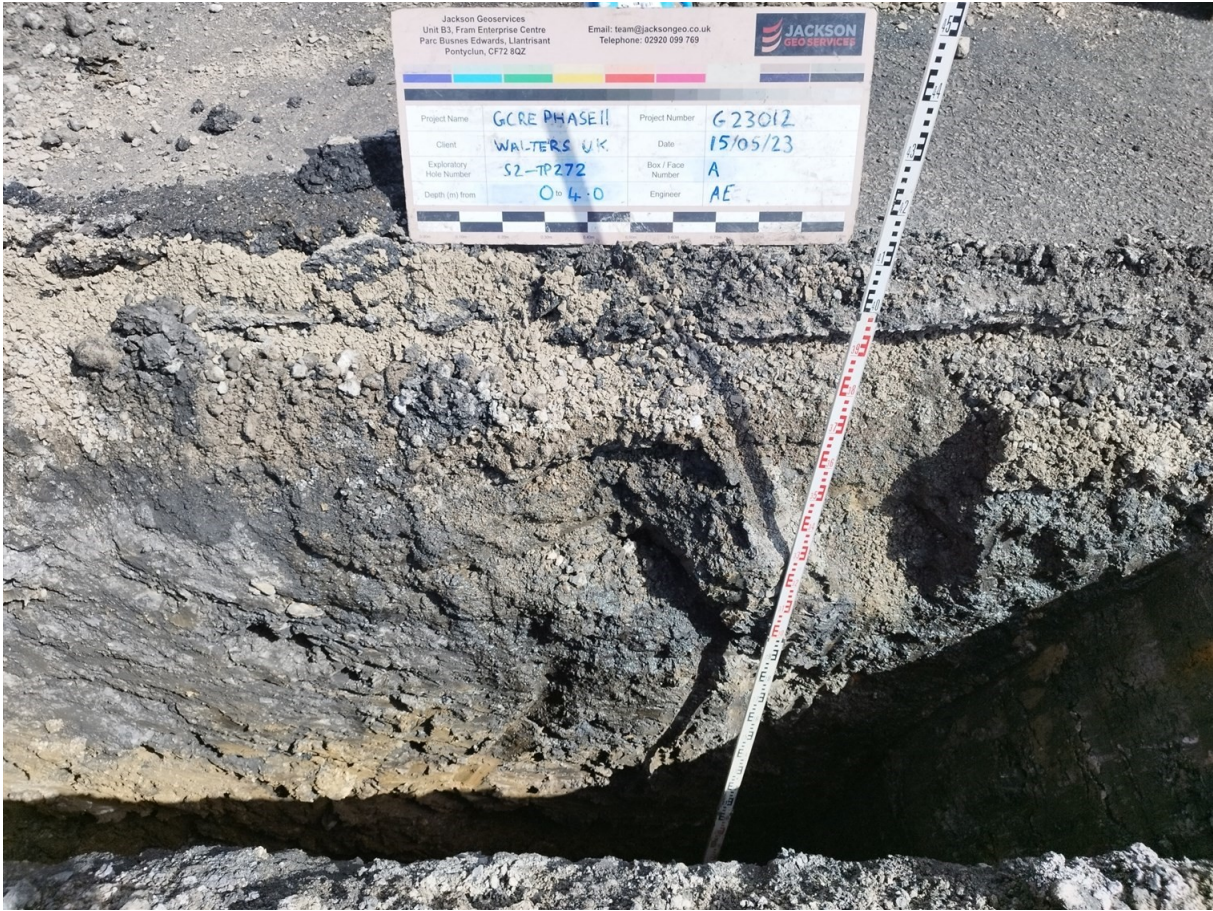
EXPLORATORY HOLE PHOTOGRAPHS

Exploratory Hole

S2-TP272

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284998.17	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210517.80	Method	TP
Project No	G23012	Level	239.44 mAOD	Termination Reason	Scheduled depth.

Sheet 4 of 4



S2-TP272 Face A



Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284326.12	Equipment	JCB 220X lc	Sheet 1 of 3
Client	Walters UK Ltd	Northing	210518.89	Method	TP	
Project No	G23012	Level	231.01 mAOD	Termination Reason	Terminated due to water ingress	

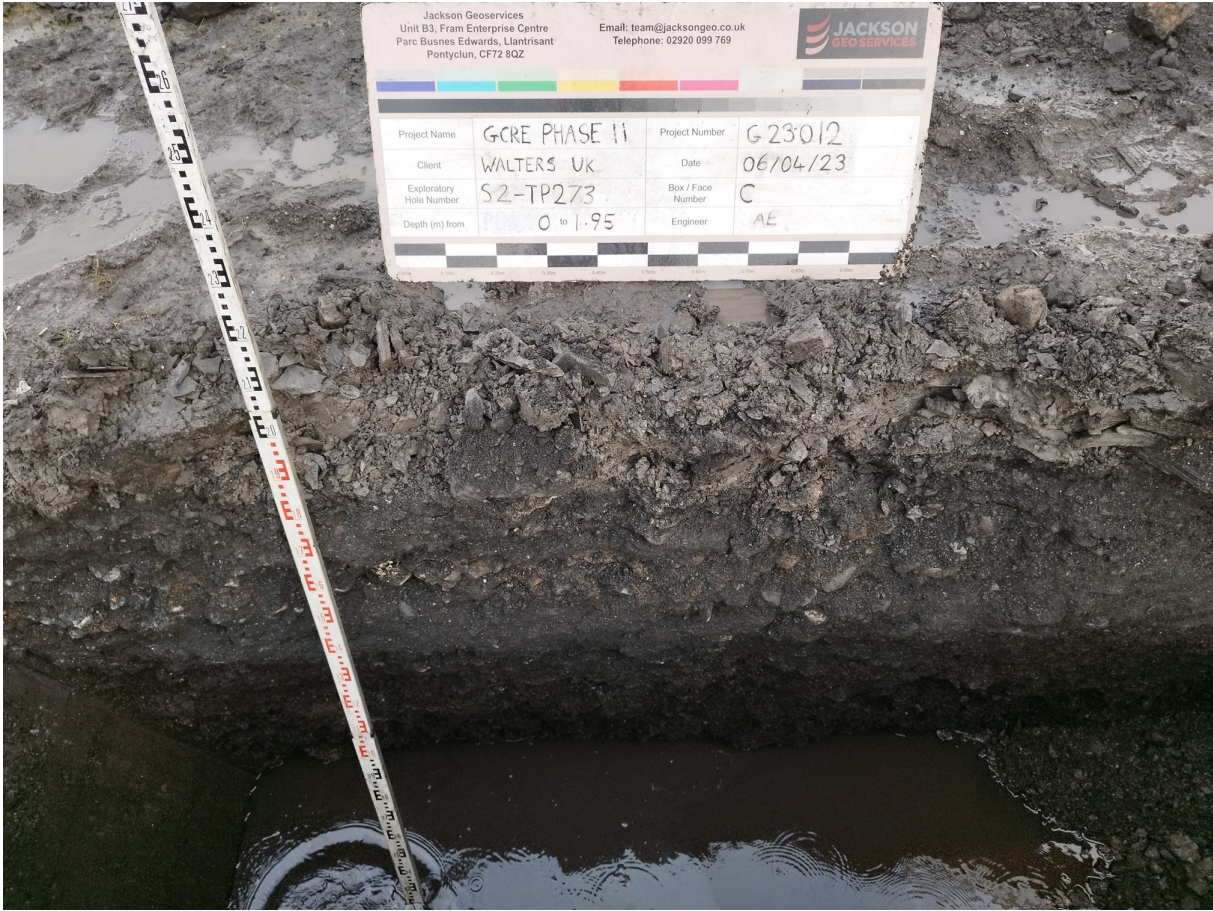


S2-TP273 Face D



S2-TP273 Face B

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284326.12	Equipment	JCB 220X 1c	Sheet 2 of 3
Client	Walters UK Ltd	Northing	210518.89	Method	TP	
Project No	G23012	Level	231.01 mAOD	Termination Reason	Terminated due to water ingress	



S2-TP273 Face C

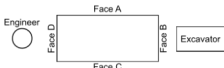


S2-TP273 Face A

		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-TP273
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284326.12	Equipment	JCB 220X 1c	Sheet 3 of 3
Client	Walters UK Ltd	Northing	210518.89	Method	TP	
Project No	G23012	Level	231.01 mAOD	Termination Reason	Terminated due to water ingress	



S2-TP273 Spoil

				TRIAL PIT EXPLORATORY HOLE LOG				Exploratory Hole Progress by Time			Exploratory Hole	
Date and Time		Depth	Water Depth					S2-TP275				
11/04/2023 11:05		0.00	1.95	Sheet 1 of 1								
11/04/2023 11:20		2.10		Scale 1:20								
Project Global Centre of Rail Excellence (GCRE) Stage 2		Equipment JCB 220X Ic		Logged AE								
Client Walters UK Ltd		Method TP		Checked AP								
Project No G23012		Level 231.11 mAOD		Orientation 300 degrees								
Easting 284333.06		Northing 210519.13		Length 4.00								
Termination Reason Terminated due to water ingress		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		0.00	230.31		Dark grey very sandy angular to subrounded fine to coarse GRAVEL of siltstone, mudstone and sandstone, with medium cobble content. Cobbles are subangular of medium strong siltstone. Sand is fine to coarse. Occasional concrete fragments (up to 40mm) and occasional brick fragments (up to 140mm) and rare timber fragments (up to 200mm). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR	0.50					
2 B	0.40 - 0.60		(0.80)									
3 ES	0.50 - 0.60											
4 ES	0.90 - 1.00		0.80	229.21		Dark grey very gravelly fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded fine to coarse of siltstone and coal. Cobbles are subangular of medium strong siltstone. (MADE GROUND) Geology Code: MGR 2nd Geology Code: SD	1.00					
5 B	1.20 - 1.40		(1.10)									
6 ES	1.90 - 2.00		1.90	229.01		Dark grey with frequent orangish brown staining sandy angular fine to coarse GRAVEL siltstone and mudstone with medium cobble content. Cobbles are angular to subangular of moderately weak to medium strong siltstone (110x90x60mm). Sand is fine to coarse. (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR	2.00					
7 B	1.90 - 2.10		(0.20)									
End of Exploratory Hole at 2.10m												
2.50												
3.00												
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 1.90-2.10m in Face A and C.						11/04/2023 11:20		1.95	1.95	20mins		
Log presents Face A unless otherwise noted.												
Remarks Machine excavated trial pit from GL to 2.10m												

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 JACKSON GEO SERVICES		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-TP275
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284333.06	Equipment	JCB 220X 1c	Sheet 1 of 4
Client	Walters UK Ltd	Northing	210519.13	Method	TP	
Project No	G23012	Level	231.11 mAOD	Termination Reason	Terminated due to water ingress	



S2-TP275 Face A



S2-TP275 Face D

		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-TP275
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284333.06	Equipment	JCB 220X 1c	Sheet 2 of 4
Client	Walters UK Ltd	Northing	210519.13	Method	TP	
Project No	G23012	Level	231.11 mAOD	Termination Reason	Terminated due to water ingress	



S2-TP275 Pre Excavation



S2-TP275 Face B

		EXPLORATORY HOLE PHOTOGRAPHS		Exploratory Hole	
				S2-TP275	
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284333.06	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210519.13	Method	TP
Project No	G23012	Level	231.11 mAOD	Termination Reason	Terminated due to water ingress

Sheet 3 of 4



S2-TP275 Face C

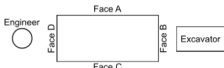


S2-TP275 Spoil

		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-TP275
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284333.06	Equipment	JCB 220X 1c	Sheet 4 of 4
Client	Walters UK Ltd	Northing	210519.13	Method	TP	
Project No	G23012	Level	231.11 mAOD	Termination Reason	Terminated due to water ingress	



S2-TP275 Post Excavation

				TRIAL PIT EXPLORATORY HOLE LOG				Exploratory Hole Progress by Time			Exploratory Hole	
Date and Time		Depth	Water Depth					S2-TP276				
30/03/2023 10:30 30/03/2023 12:25		0.00 4.00		Sheet 1 of 1								
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	JCB 220X Ic			Scale	1:20			
Client	Walters UK Ltd			Method	TP			Logged	AE			
Project No	G23012	Level	239.31 mAOD	Orientation		210 degrees		Checked	AP			
Easting	284894.70	Northing	210511.88	Length		6.50						
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 B	0.00 - 0.20	Concrete.	0.00			Strong light grey reinforced CONCRETE with 10mm rebar between 0.05-0.12m striking 210 degrees and 105 degrees. (MADE GROUND) Geology Code: MGR 2nd Geology Code: Conc						
2 ES	0.30 - 0.40		0.30	239.01		Dark grey sandy subangular to subrounded fine to coarse GRAVEL of siltstone and coal with medium cobble content. Cobbles are angular to subangular of medium strong siltstone (150×140×140mm). Sand is fine to coarse. (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR	0.50					
3 ES 4 B	0.50 - 0.60 0.50 - 0.70		(0.50)			Dark grey gravelly fine to coarse SAND with medium cobble content. Gravel is subangular to rounded fine to coarse of siltstone and rare coal. Cobbles are angular to subangular of medium strong siltstone (180×100×80mm). (MADE GROUND) Geology Code: MGR 2nd Geology Code: SD 0.80m - 0.80m 25mm diameter wire rope.	1.00					
5 ES 6 B	0.90 - 1.00 0.90 - 1.10		0.80	238.51			1.50					
7 ES 8 B	1.90 - 2.00 1.90 - 2.10		(1.40)			2.00m - 2.20m Occasional brick fragments (up to 130mm), rare concrete fragments (up to 130mm) and rare rubber.	2.00					
9 D	2.50 - 2.60 2.50 2.50	HV: P: 48kPa R: 24kPa Only 1 HSV test as strata was too gravelly.	2.20	237.11		Soft to firm dark grey sandy gravelly SILT with medium cobble content. Gravel is angular to subrounded fine to coarse of siltstone, mudstone and occasional coal and brick. Cobbles are angular to subangular of medium strong siltstone (240×130×95mm). Sand is fine to medium. (MADE GROUND) Geology Code: MGR 2nd Geology Code: SL	2.50					
10 ES 11 D	2.90 - 3.00 2.90 - 3.00		(1.40)				3.00					
12 D	3.40 - 3.50		3.60	235.71			3.50					
13 B 14 ES	3.80 - 4.00 3.90 - 4.00		(0.40)	235.31		Dark grey sandy subangular to subrounded fine to coarse GRAVEL of siltstone, mudstone and rare coal with high cobble content. Cobbles are angular to subrounded of medium strong siltstone (220×125×100mm). Sand is fine to coarse. (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR	4.00					
						End of Exploratory Hole at 4.00m						
Weather	Overcast and raining	Trial Pit Excavation Onsite Layout				Water Strikes						
Shoring	None					Date and Time	Strike	Rising to	Time	Remarks		
Stability	Collapse. Face C 1.50-3.00m					Log presents Face A unless otherwise noted.						
Remarks												
Machine excavated trial pit from GL to 4.00m												

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