

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284581.21	Equipment	JCB 220X 1c	Sheet 1 of 3
Client	Walters UK Ltd	Northing	210533.86	Method	TP	
Project No	G23012	Level	235.30 mAOD	Termination Reason	Unable to progress through boulders	



S2-TP266 Face D



S2-TP266 Face A

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284581.21	Equipment	JCB 220X 1c	Sheet 2 of 3
Client	Walters UK Ltd	Northing	210533.86	Method	TP	
Project No	G23012	Level	235.30 mAOD	Termination Reason	Unable to progress through boulders	



S2-TP266 Face C



S2-TP266 Face B



EXPLORATORY HOLE PHOTOGRAPHS

Exploratory Hole

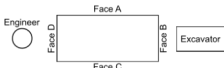
S2-TP266

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284581.21	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210533.86	Method	TP
Project No	G23012	Level	235.30 mAOD	Termination Reason	Unable to progress through boulders

Sheet 3 of 3



S2-TP266 Spoil

				TRIAL PIT EXPLORATORY HOLE LOG				Exploratory Hole Progress by Time			Exploratory Hole	
Date and Time		Depth	Water Depth					S2-TP267				
05/04/2023 15:20		0.00		Sheet 1 of 1								
05/04/2023 16:10		1.60										
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 231.47 mAOD		Orientation 30 degrees		Checked AP						
Easting 284351.29		Northing 210533.63		Length 4.20								
Termination Reason 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	Plastic service pipe (~120mm diameter) and obstruction (disused metal pipe (200mm diameter) Pit extended into face D	0.00	230.47		Dark grey very gravelly fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded fine to coarse of siltstone and sandstone. Cobbles are subangular of medium strong siltstone. Occasional concrete fragments (up to 40mm) and brick fragments (up to 120mm) Rare timber fragments (up to 20mm) (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR	0.50					
2 B	0.50 - 0.60		(1.00)									
3 ES	0.50 - 0.70											
	0.65 - 0.85											
4 B	0.90 - 1.00											
7 ES	0.90 - 1.00											
		1.00	(0.60)	229.87		Grey sandy angular fine to coarse GRAVEL of siltstone and mudstone with high cobble content and low boulder content. Cobbles are angular to subangular of moderately weak to medium strong siltstone (140×100×80mm) with frequent orangish brown staining. Boulders are angular to subangular of medium strong sandstone and siltstone (250×200×160mm). Sand is fine to coarse. (Possible MADE GROUND) Geology Code: MGR 2nd Geology Code: GR	1.00					
5 B	1.20 - 1.40											
6 ES	1.40 - 1.50											
End of Exploratory Hole at 1.60m							2.00					
							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 Face A and C 1.00-1.60m						05/04/2023 16:10		1.50	1.20	20mins	Fast inflow	
Remarks Machine excavated trial pit from GL to 1.60m												

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		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-TP267
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284351.29	Equipment	JCB 220X 1c	Sheet 1 of 3
Client	Walters UK Ltd	Northing	210533.63	Method	TP	
Project No	G23012	Level	231.47 mAOD	Termination Reason	Water ingress	



S2-TP267 Face B



S2-TP267 Face D

		EXPLORATORY HOLE PHOTOGRAPHS		Exploratory Hole	
				S2-TP267	
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284351.29	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210533.63	Method	TP
Project No	G23012	Level	231.47 mAOD	Termination Reason	Water ingress

Sheet 2 of 3



S2-TP267 Face A



S2-TP267 Face C

EXPLORATORY HOLE PHOTOGRAPHS

Exploratory Hole

S2-TP267

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284351.29	Equipment	JCB 220X 1c	Sheet 3 of 3
Client	Walters UK Ltd	Northing	210533.63	Method	TP	
Project No	G23012	Level	231.47 mAOD	Termination Reason	Water ingress	



S2-TP267 Spoil

				TRIAL PIT EXPLORATORY HOLE LOG				Exploratory Hole Progress by Time			Exploratory Hole	
Date and Time		Depth	Water Depth					S2-TP268				
03/04/2023 14:15 03/04/2023 16:30		0.00 3.50	2.70	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	235.96 mAOD	Orientation		115 degrees		Checked	AP			
Easting	284679.57	Northing	210525.65	Length		5.00						
Termination Reason		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 B	0.00 - 0.20	Concrete	0.00 (0.20)			Strong light grey reinforced CONCRETE with frequent 10mm rebar between 0.05-0.20m striking 120 degrees and 210 degrees. (MADE GROUND) Geology Code: MGR 2nd Geology Code: Conc						
2 ES	0.20 - 0.30		0.20	235.76		Brownish grey sandy subangular to subrounded fine to coarse GRAVEL of siltstone and occasional bituminous coated material. Sand is fine to medium. (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR	0.50					
3 B	0.40 - 0.60		(0.40)			Dark grey gravelly fine to coarse SAND with low cobble content. Gravel is subangular to subrounded occasionally tabular fine to coarse of siltstone and occasional mudstone and coal. Cobbles are subangular of medium strong siltstone and coal (140×125×100mm). Rare brick fragments (up to 130mm) and rare timber (up to 210mm). (MADE GROUND) Geology Code: MGR 2nd Geology Code: SD 0.60m - 1.80m Face C: Tear drop shaped gravel drain of subangular to subrounded coarse gravel of siltstone and quartzite.	1.00					
4 ES	0.50 - 0.60		0.60	235.36			1.50					
5 ES	0.90 - 1.00						2.00					
6 B	0.90 - 1.10						2.50					
7 ES	1.90 - 2.00		(2.70)				3.00					
8 B	1.90 - 2.10						3.50					
10 B	3.30 - 3.40		3.30	232.66		Dark brownish grey stained organish brown sandy subangular to subrounded fine to coarse GRAVEL of siltstone and mudstone. Sand is fine to coarse. (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR						
9 ES	3.30 - 3.50		(0.20)	232.46		End of Exploratory Hole at 3.50m						
							4.00					
Weather	Sunny	Trial Pit Excavation Onsite Layout				Water Strikes						
Shoring	None	Engineer Face D Face A Face B Face C Excavator				Date and Time	Strike	Rising to	Time	Remarks		
Stability	Collapse. Face A 2.50-3.00m.					Log presents Face A unless otherwise noted.	03/04/2023 16:10 03/04/2023 16:30	1.80 3.40	1.80 2.70	20mins 20mins	Slow inflow Fast inflow	
Remarks Machine excavated trial pit from GL to 3.50m												

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		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-TP268
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284679.57	Equipment	JCB 220X lc	Sheet 1 of 3
Client	Walters UK Ltd	Northing	210525.65	Method	TP	
Project No	G23012	Level	235.96 mAOD	Termination Reason	Water ingress	



S2-TP268 Face D



S2-TP268 Face A

		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-TP268
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284679.57	Equipment	JCB 220X 1c	Sheet 2 of 3
Client	Walters UK Ltd	Northing	210525.65	Method	TP	
Project No	G23012	Level	235.96 mAOD	Termination Reason	Water ingress	



S2-TP268 Face C

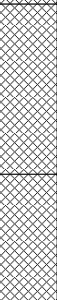
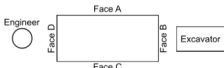


S2-TP268 Face B

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284679.57	Equipment	JCB 220X 1c	Sheet 3 of 3
Client	Walters UK Ltd	Northing	210525.65	Method	TP	
Project No	G23012	Level	235.96 mAOD	Termination Reason	Water ingress	



S2-TP268 Spoil

		TRIAL PIT EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time			Exploratory Hole			
								Date and Time		Depth	Water Depth	S2-TP270		
								06/04/2023 11:20 06/04/2023 11:38		0.00 2.10	1.90			
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	232.09 mAOD	Orientation		280 degrees		Logged		Checked AP				
Easting	284373.28	Northing	210518.19	Length		4.00								
Termination Reason		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	231.29		Grey sandy angular fine to coarse GRAVEL of siltstone and mudstone with high cobble content. Cobbles are subangular of medium strong. Sand is fine to coarse. occasional concrete fragments (up to 40mm), rare brick fragments (up to 50mm) and rare clinker (up to 40mm) (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR			0.50			
2 B	0.30 - 0.50				(0.80)									
3 ES	0.50 - 0.60													
4 B	0.80 - 1.00				0.80	230.84		Brownish grey very sandy silty angular and subangular fine to coarse GRAVEL of siltstone and mudstone. Sand is fine to coarse. Occasional timber fragments (up to 130mm) and rare plastic. (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR			1.00			
5 ES	0.90 - 1.00				(0.45)									
					1.25									
6 B	1.60 - 1.80				(0.85)	229.99		Grey sandy angular fine to coarse GRAVEL of siltstone, mudstone and coal, with high cobble content and low boulder content. Cobbles are angular to subangular of moderatly weak to medium strong siltstone (140×100×80mm) with frequent orangish brown staining. Boulders are angular to subangular of medium strong siltstone (300×200×160mm). Sand is fine to coarse. (GLACIAL TILL) Geology Code: GT 2nd Geology Code: GR			1.50			
7 ES	1.90 - 2.00													
								End of Exploratory Hole at 2.10m			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	Collapse Face A and C							06/04/2023 11:35		2.00	1.90	20mins	Fast	
Remarks														
Machine excavated trial pit from GL to 2.10m														

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EXPLORATORY HOLE PHOTOGRAPHS

Exploratory Hole
S2-TP270

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284373.28	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210518.19	Method	TP
Project No	G23012	Level	232.09 mAOD	Termination Reason	Water ingress

Sheet 1 of 3



S2-TP270 Face D



S2-TP270 Face B

		EXPLORATORY HOLE PHOTOGRAPHS		Exploratory Hole	
				S2-TP270	
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284373.28	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210518.19	Method	TP
Project No	G23012	Level	232.09 mAOD	Termination Reason	Water ingress

Sheet 2 of 3



S2-TP270 Face A



S2-TP270 Face C

		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-TP270
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284373.28	Equipment	JCB 220X 1c	Sheet 3 of 3
Client	Walters UK Ltd	Northing	210518.19	Method	TP	
Project No	G23012	Level	232.09 mAOD	Termination Reason	Water ingress	



S2-TP270 Spoil