

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284894.70	Equipment	JCB 220X 1c	Sheet 1 of 3
Client	Walters UK Ltd	Northing	210511.88	Method	TP	
Project No	G23012	Level	239.31 mAOD	Termination Reason	Scheduled depth	



S2-TP276 Face D



S2-TP276 Face A

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284894.70	Equipment	JCB 220X 1c	Sheet 2 of 3
Client	Walters UK Ltd	Northing	210511.88	Method	TP	
Project No	G23012	Level	239.31 mAOD	Termination Reason	Scheduled depth	



S2-TP276 Face C



S2-TP276 Face B



EXPLORATORY HOLE PHOTOGRAPHS

Exploratory Hole
S2-TP276

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284894.70	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210511.88	Method	TP
Project No	G23012	Level	239.31 mAOD	Termination Reason	Scheduled depth

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S2-TP276 Spoil

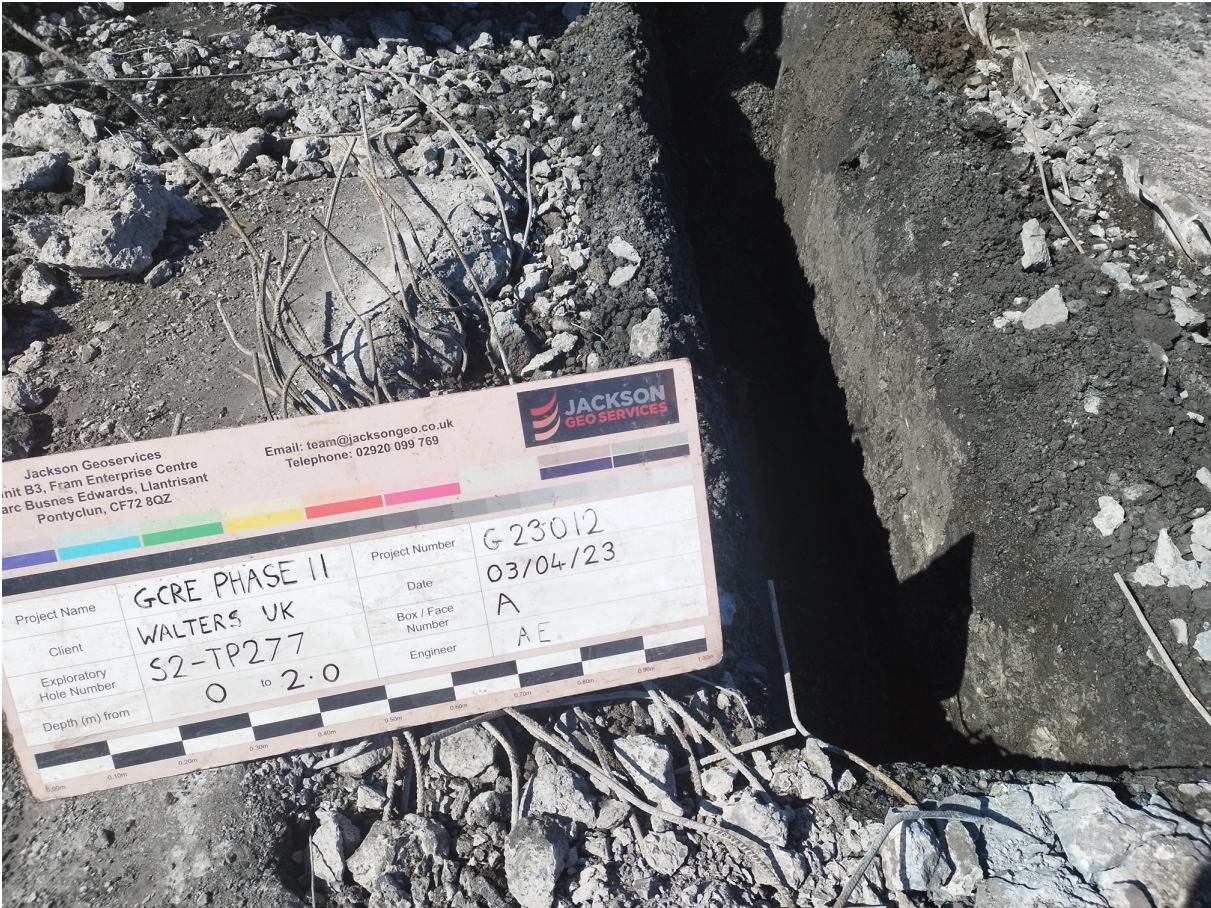
JACKSON GEO SERVICES				TRIAL PIT EXPLORATORY HOLE LOG				Exploratory Hole Progress by Time			Exploratory Hole	
Date and Time		Depth	Water Depth					S2-TP277				
03/04/2023 11:45		0.00	1.65	Sheet 1 of 1								
03/04/2023 12:15		2.00		Scale1:20								
ProjectGlobal Centre of Rail Excellence (GCRE) Stage 2		EquipmentJCB 220X Ic		LoggedAE								
ClientWalters UK Ltd		MethodTP		CheckedAP								
Project NoG23012		Level236.58 mAOD		Orientation277 degrees								
Easting284708.16		Northing210508.18		Length4.50								
Termination ReasonTerminated due to water ingress		Width0.60										
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)	236.38		Strong light grey reinforced CONCRETE with frequent 10mm rebar striking 290 degrees and 30 degrees. (MADE GROUND) Geology Code: MGR 2nd Geology Code: Conc	0.50					
2 ES	0.20 - 0.30		0.20			Dark grey gravelly fine to medium SAND with low cobble content . Gravel is subangular to subrounded fine to coarse of siltstone, mudstone. and rare brick. Cobbles are subangular occasionally tabular of medium strong siltstone and occasional moderately weak mudstone (140×110×60mm). (MADE GROUND) Geology Code: MGR 2nd Geology Code: SD						
3 B	0.40 - 0.60											
4 ES	0.50 - 0.60											
5 ES	0.90 - 1.00		(1.50)	234.88		Dark brownish grey sandy GRAVEL with low cobble content. Gravel is subangular to subrounded fine to coarse of siltstone and mudstone. Cobbles are subangular to rounded of medium strong siltstone and sandstone (160×140×105mm). Sand is fine to medium. Rare timber (up to 150mm). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR	2.00					
6 B	0.90 - 1.10					End of Exploratory Hole at 2.00m						
7 B	1.80 - 2.00		1.70	234.58			2.50					
8 ES	1.90 - 2.00		(0.30)							3.00		
							3.50					
							4.00					
WeatherClear and sunny.		Trial Pit Excavation Onsite Layout Engineer Face A Face B Face C Face D Excavator				Water Strikes						
ShoringNone						Date and Time		Strike	Rising to	Time	Remarks	
StabilityCollapse. Face A and C 1.40-2.00m.						03/04/2023 12:17		1.90	1.65	20mins	Fast inflow.	
RemarksMachine excavated trial pit from GL to 2.00m.												

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Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284708.16	Equipment	JCB 220X 1c	Sheet 1 of 3
Client	Walters UK Ltd	Northing	210508.18	Method	TP	
Project No	G23012	Level	236.58 mAOD	Termination Reason	Terminated due to water ingress	



S2-TP277 Face D



S2-TP277 Face A

		EXPLORATORY HOLE PHOTOGRAPHS		Exploratory Hole	
				S2-TP277	
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284708.16	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210508.18	Method	TP
Project No	G23012	Level	236.58 mAOD	Termination Reason	Terminated due to water ingress

Sheet 2 of 3



S2-TP277 Face C



S2-TP277 Spoil

EXPLORATORY HOLE PHOTOGRAPHS

Exploratory Hole

S2-TP277

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284708.16	Equipment	JCB 220X 1c	Sheet 3 of 3
Client	Walters UK Ltd	Northing	210508.18	Method	TP	
Project No	G23012	Level	236.58 mAOD	Termination Reason	Terminated due to water ingress	



S2-TP277 Face B

		TRIAL PIT EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time			Exploratory Hole		
								Date and Time		Depth	Water Depth	S2-TP278	
								06/04/2023 10:10 06/04/2023 10:20		0.00 1.60	1.45		
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	231.22 mAOD		Orientation	70 degrees		Logged AE		Checked AP			
Easting	284328.65	Northing	210507.66		Length	4.50							
Termination Reason		Water ingress and 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	0.20 - 0.30			0.00	230.32		Dark grey very sandy angular fine to coarse GRAVEL siltstone, mudstone and coal with low cobble content. Cobbles are angular to subangular of moderately weak to medium strong siltstone (90mm x80mm x 65mm). Sand is fine to coarse. (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR			0.50			
2 B	0.30 - 0.50			(0.90)									
3 ES	0.50 - 0.60												
4 ES	0.90 - 1.00			0.90	229.62		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 (140x100x80mm) with frequent orangish brown staining. Boulders are angular to subangular of medium strong siltstone (300x200x160mm). Sand is fine to coarse. (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR			1.00			
5 B	1.10 - 1.30			(0.70)									
							End of Exploratory Hole at 1.60m			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	Collapse Face A and C 0.90-1.6m.						06/04/2023 10:20		1.50	1.45	10mins		
Remarks													
Machine excavated trial pit from GL to 1.60m													

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EXPLORATORY HOLE PHOTOGRAPHS

Exploratory Hole

S2-TP278

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284328.65	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210507.66	Method	TP
Project No	G23012	Level	231.22 mAOD	Termination Reason	Water ingress and collapse

Sheet 1 of 3



S2-TP278 Face D



S2-TP278 Face B



EXPLORATORY HOLE PHOTOGRAPHS

Exploratory Hole

S2-TP278

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284328.65	Equipment	JCB 220X 1c	Sheet 2 of 3
Client	Walters UK Ltd	Northing	210507.66	Method	TP	
Project No	G23012	Level	231.22 mAOD	Termination Reason	Water ingress and collapse	



S2-TP278 Face A



S2-TP278 Face C



EXPLORATORY HOLE PHOTOGRAPHS

Exploratory Hole

S2-TP278

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284328.65	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210507.66	Method	TP
Project No	G23012	Level	231.22 mAOD	Termination Reason	Water ingress and collapse

Sheet 3 of 3



S2-TP278 Spoil

JACKSON GEO SERVICES				TRIAL PIT EXPLORATORY HOLE LOG				Exploratory Hole Progress by Time			Exploratory Hole	
Date and Time		Depth	Water Depth					S2-TP279				
26/04/2023 15:30 26/04/2023 16:15		0.00 3.10	2.30									
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	236.28 mAOD	Orientation	290 degrees			Logged	CE			
Easting	284678.09	Northing	210506.91	Length	3.80			Checked	AP			
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 2 B	0.20 - 0.30 0.20 - 0.40 0.20	PID: 0.0ppmv		0.00 (0.20) 0.20	236.08		Light grey strong reinforced concrete with up to 25% aggregate of angular and subangular fine and medium flint and siltstone. 2% small voids (up to 2mm). Rebar is 10mm deformed bar. (MADE GROUND) Geology Code: MGR 2nd Geology Code: Conc	0.50				
3 ES	0.50 - 0.60 0.50	PID: 0.0ppmv		(0.40) 0.60	235.68		Greenish grey SAND and GRAVEL. Sand is fine to coarse. Gravel is subangular and subrounded fine to coarse of sandstone and siltstone. (MADE GROUND) Geology Code: MGR 2nd Geology Code: SD					
4 B	0.70 - 2.30 0.80 - 1.00	Vertical gravel filled pits in face B approximately 0.6m wide and in face C approximately 0.5m wide. Gravel is subangular coarse of limestone. Possible drainage fill. PID: 0.0ppmv		(1.50)	234.18		Dark grey very gravelly silty fine to coarse SAND with, occasional metal fragments (up to 350mm) and rare brick fragments (up to 200mm). Gravel is subangular and subrounded fine to coarse of siltstone and coal. (MADE GROUND) Geology Code: MGR 2nd Geology Code: SD	1.00				
5 ES	0.90 - 1.00 0.90						PID: 0.0ppmv			(1.00)	233.18	Brownish grey sandy silty angular to subrounded fine to coarse GRAVEL of siltstone, sandstone and mudstone with low cobble content. Cobbles are angular to subrounded of medium strong siltstone. Sand is fine to coarse. (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR
6 B	1.80 - 2.00	PID: 0.0ppmv		(1.00)	233.18		End of Exploratory Hole at 3.10m	3.00				
7 ES	1.90 - 2.00 1.90	PID: 0.0ppmv								2.00		
8 B	2.80 - 3.00	PID: 0.0ppmv		(1.00)	233.18		End of Exploratory Hole at 3.10m	3.50				
9 ES	2.90 - 3.00 2.90	PID: 0.0ppmv								3.00		
4.00												
Weather	Overcast, dry		Trial Pit Excavation Onsite Layout Engineer Face D Face A Face B Face C Excavator				Water Strikes					
Shoring	None						Date and Time	Strike	Rising to	Time	Remarks	
Stability	Collapse 0.70-3.10m Faces A and C						26/04/2023 15:45	2.30	2.30	20mins	No rise.	
Remarks Machine excavated trial pit from GL to 3.10m												

		EXPLORATORY HOLE PHOTOGRAPHS		Exploratory Hole S2-TP279	
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284678.09	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210506.91	Method	TP
Project No	G23012	Level	236.28 mAOD	Termination Reason	Terminated due to water ingress

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S2-TP279 Spoil



S2-TP279 Post Excavation