

		EXPLORATORY HOLE PHOTOGRAPHS		Exploratory Hole	
				S2-TP223	
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283183.07	Equipment	JCB 20 tonne metal tracked excavator.
Client	Walters UK Ltd	Northing	211333.86	Method	
Project No	G23012	Level	294.99 mAOD	Termination Reason	Terminated in Bedrock.

Sheet 4 of 5

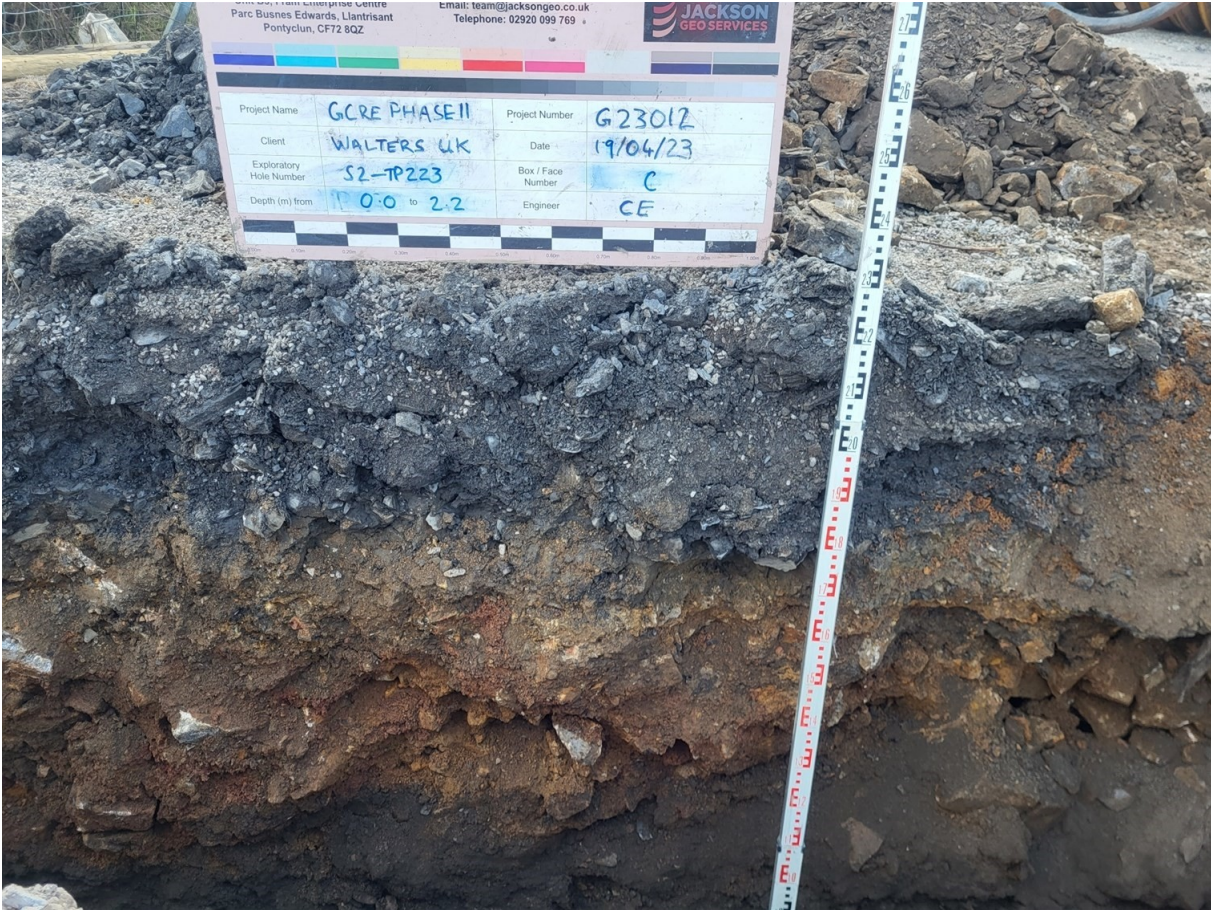


S2-TP223 Face D



S2-TP223 Face A

		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-TP223
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283183.07	Equipment	JCB 20 tonne metal tracked excavator.	Sheet 5 of 5
Client	Walters UK Ltd	Northing	211333.86	Method		
Project No	G23012	Level	294.99 mAOD	Termination Reason	Terminated in Bedrock.	



S2-TP223 Face C



EXPLORATORY HOLE PHOTOGRAPHS

Exploratory Hole
S2-TP224

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283104.11	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	211331.94	Method	TP
Project No	G23012	Level	294.42 mAOD	Termination Reason	Scheduled depth

Sheet 1 of 4



S2-TP224 Pre Excavation



S2-TP224 Spoil

		EXPLORATORY HOLE PHOTOGRAPHS		Exploratory Hole	
				S2-TP224	
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283104.11	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	211331.94	Method	TP
Project No	G23012	Level	294.42 mAOD	Termination Reason	Scheduled depth

Sheet 2 of 4



S2-TP224 Face A



S2-TP224 Post Excavation

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283104.11	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	211331.94	Method	TP
Project No	G23012	Level	294.42 mAOD	Termination Reason	Scheduled depth



S2-TP224 Face C



S2-TP224 Face D



EXPLORATORY HOLE PHOTOGRAPHS

Exploratory Hole

S2-TP224

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283104.11	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	211331.94	Method	TP
Project No	G23012	Level	294.42 mAOD	Termination Reason	Scheduled depth

Sheet 4 of 4



S2-TP224 Face B

		TRIAL PIT EXPLORATORY HOLE LOG					Exploratory Hole Progress by Time			Exploratory Hole		
							Date and Time		Depth	Water Depth	S2-TP225	
							19/04/2023 10:35 19/04/2023 11:05		0.00 2.90	Dry		
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	JCB 222X Ic				Sheet 1 of 1			
Client	Walters UK Ltd			Method	TP				Scale	1:20		
Project No	G23012	Level	294.95 mAOD	Orientation		110 degrees				Logged	CE	
Easting	283146.59	Northing	211322.85	Length		4.20				Checked	AP	
Termination Reason		Terminated in Bedrock.			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 (0.20) 0.20	294.75		Dark grey very sandy slightly clayey angular to subrounded fine to coarse GRAVEL of siltstone, mudstone and sandstone with medium cobble content. Cobbles (200x60x100mm) are angular and subangular of medium strong siltstone and sandstone. Sand is fine to coarse. Rare timber fragments (up to 40mm). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR Brown and brownish grey very sandy angular to subrounded fine to coarse GRAVEL of siltstone, mudstone and sandstone with high cobble content and low boulder content. Cobbles (200x160x100mm) and boulders (450x300x300mm) are angular and subangular of medium strong siltstone and sandstone. Sand is fine to coarse. (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR			0.50		
2 B	0.30 - 0.50											
3 ES	0.50 - 0.60 0.50	PID: 0.0ppmv								1.00		
4 ES	0.90 - 1.00 0.90	PID: 0.0ppmv		(1.20)								
5 B	1.40 - 1.60			1.40	293.55		Brown sandy slightly silty angular fine to coarse GRAVEL of mudstone and siltstone with occasional orangish brown staining low cobble content. Cobbles (150x70x30mm) are angular of very weak to moderately weak mudstone and siltstone. Sand is medium. (Possible WEATHERED SOUTH WALES COAL MEASURES) Geology Code: SWCM 2nd Geology Code: GR			1.50		
6 ES	1.90 - 2.00 1.90	PID: 0.0ppmv		(0.70)								
7 B	2.40 - 2.60			2.10	292.85		Brownish grey and greyish brown sandy slightly silty angular fine to coarse GRAVEL of siltstone with frequent orangish brown staining and medium cobble content. Cobbles (140x70x30mm) are angular moderately weak siltstone. Sand is medium. (Possible WEATHERED SOUTH WALES COAL MEASURES) Geology Code: SWCM 2nd Geology Code: GR			2.00		
8 B	2.60 - 2.80			(0.50)								
				2.60	292.35		Medium strong grey occasionally organish brown stained SILTSTONE. (SOUTH WALES COAL MEASURES POSSIBLE CLASS B) Geology Code: SWCM 2nd Geology Code: SZT			2.50		
				(0.30)								
					292.05		End of Exploratory Hole at 2.90m			3.00		
										3.50		
										4.00		
Weather		Dry		Trial Pit Excavation Onsite Layout			Water Strikes					
Shoring		None					Date and Time		Strike	Rising to	Time	Remarks
Stability		Slight collapse GL-2.90m Faces A and C										
Remarks												
Machine excavated trial pit from GL to 2.90m												

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EXPLORATORY HOLE PHOTOGRAPHS

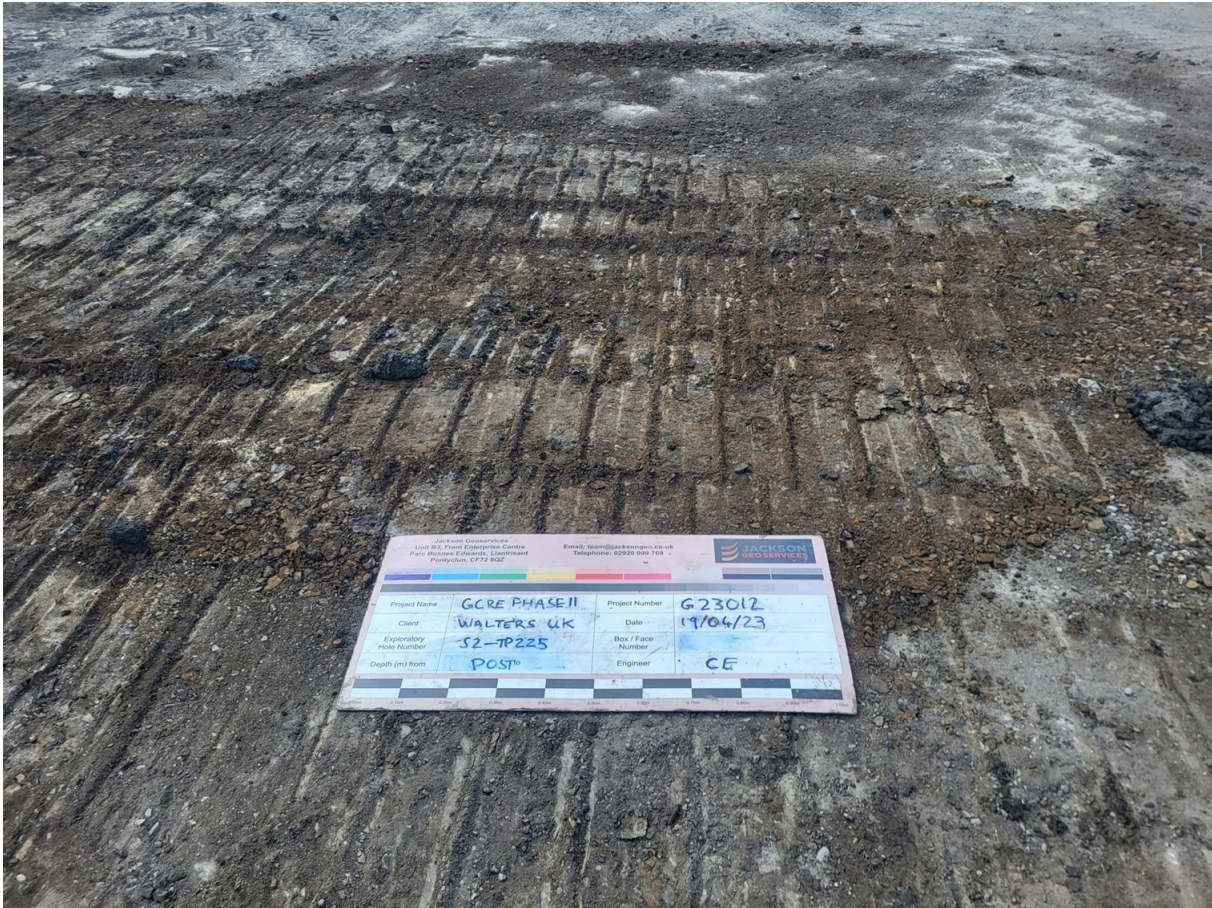
Exploratory Hole
S2-TP225

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283146.59	Equipment	JCB 222X 1c
Client	Walters UK Ltd	Northing	211322.85	Method	TP
Project No	G23012	Level	294.95 mAOD	Termination Reason	Terminated in Bedrock.

Sheet 1 of 5



S2-TP225 Face D



S2-TP225 Post Excavation

		EXPLORATORY HOLE PHOTOGRAPHS		Exploratory Hole	
				S2-TP225	
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283146.59	Equipment	JCB 222X 1c
Client	Walters UK Ltd	Northing	211322.85	Method	TP
Project No	G23012	Level	294.95 mAOD	Termination Reason	Terminated in Bedrock.

Sheet 2 of 5



S2-TP225 Pre Excavation



S2-TP255 Face A

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283146.59	Equipment	JCB 222X 1c
Client	Walters UK Ltd	Northing	211322.85	Method	TP
Project No	G23012	Level	294.95 mAOD	Termination Reason	Terminated in Bedrock.



S2-TP255 Face B



S2-TP255 Spoil

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283146.59	Equipment	JCB 222X 1c
Client	Walters UK Ltd	Northing	211322.85	Method	TP
Project No	G23012	Level	294.95 mAOD	Termination Reason	Terminated in Bedrock.



S2-TP255 Face C



S2-TP255 Spoil

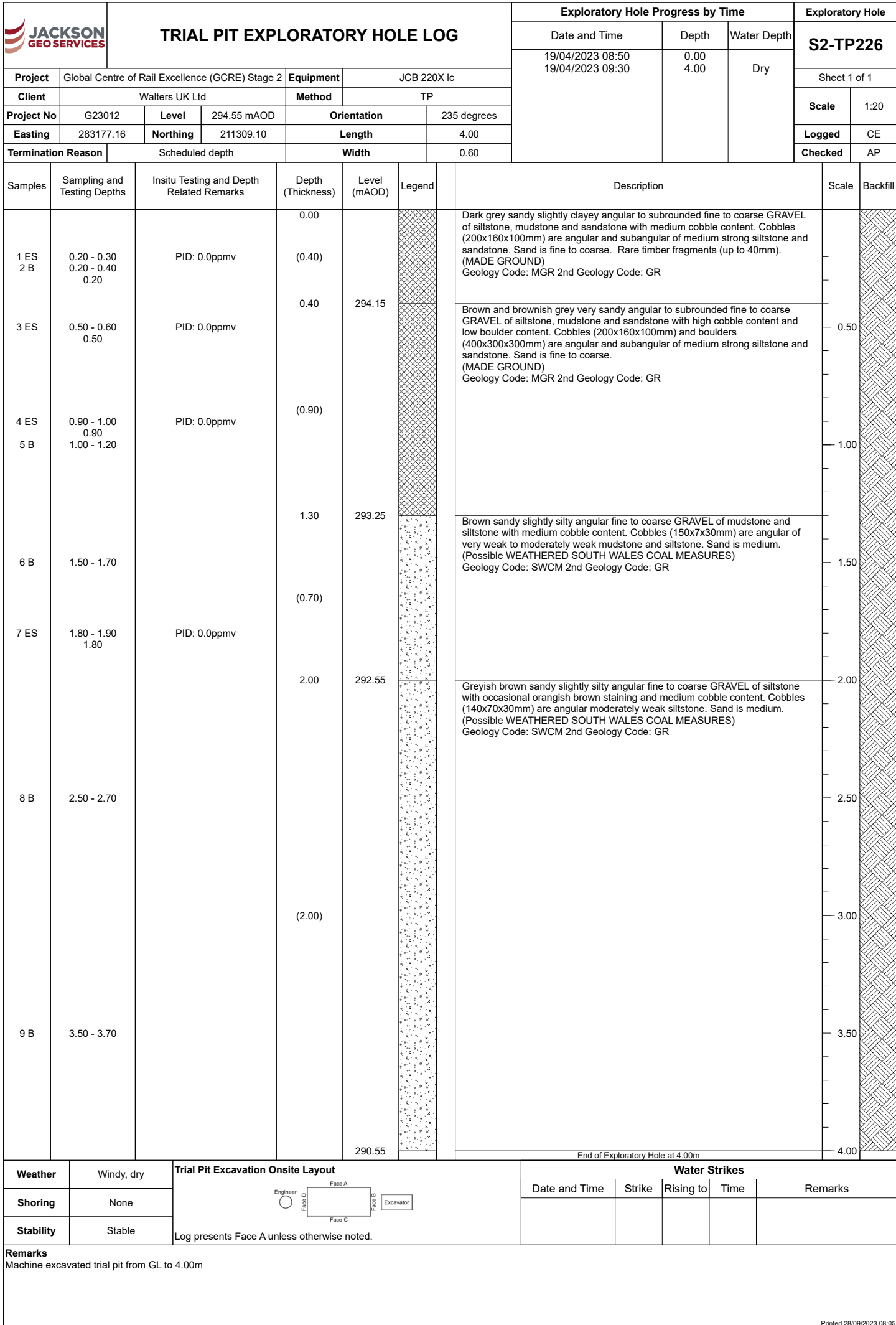
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283146.59	Equipment	JCB 222X 1c	Sheet 5 of 5
Client	Walters UK Ltd	Northing	211322.85	Method	TP	
Project No	G23012	Level	294.95 mAOD	Termination Reason	Terminated in Bedrock.	



S2-TP255 Spoil



S2-TP255 Spoil



		EXPLORATORY HOLE PHOTOGRAPHS		Exploratory Hole	
				S2-TP226	
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283177.16	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	211309.10	Method	TP
Project No	G23012	Level	294.55 mAOD	Termination Reason	Scheduled depth

Sheet 1 of 5



S2-TP226 Spoil



S2-TP226 Face C

EXPLORATORY HOLE PHOTOGRAPHS

Exploratory Hole

S2-TP226

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283177.16	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	211309.10	Method	TP
Project No	G23012	Level	294.55 mAOD	Termination Reason	Scheduled depth

Sheet 2 of 5



S2-TP226 Face D



S2-TP226 Face B

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283177.16	Equipment	JCB 220X 1c	Sheet 3 of 5
Client	Walters UK Ltd	Northing	211309.10	Method	TP	
Project No	G23012	Level	294.55 mAOD	Termination Reason	Scheduled depth	



S2-TP226 Spoil



S2-TP226 Face A

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283177.16	Equipment	JCB 220X 1c	Sheet 4 of 5
Client	Walters UK Ltd	Northing	211309.10	Method	TP	
Project No	G23012	Level	294.55 mAOD	Termination Reason	Scheduled depth	



S2-TP226 Post Excavation



S2-TP226 Pre Excavation