



EXPLORATORY HOLE PHOTOGRAPHS

Exploratory Hole

S2-TP258

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283394.77	Equipment	JCB 222X lc	Sheet 2 of 4
Client	Walters UK Ltd	Northing	210585.87	Method	TP	
Project No	G23012	Level	242.19 mAOD	Termination Reason	Scheduled depth	



S2-TP258 Face D



S2-TP258 Face A



EXPLORATORY HOLE PHOTOGRAPHS

Exploratory Hole

S2-TP258

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283394.77	Equipment	JCB 222X 1c
Client	Walters UK Ltd	Northing	210585.87	Method	TP
Project No	G23012	Level	242.19 mAOD	Termination Reason	Scheduled depth

Sheet 3 of 4



S2-TP258 Face B



S2-TP258 Face C



EXPLORATORY HOLE PHOTOGRAPHS

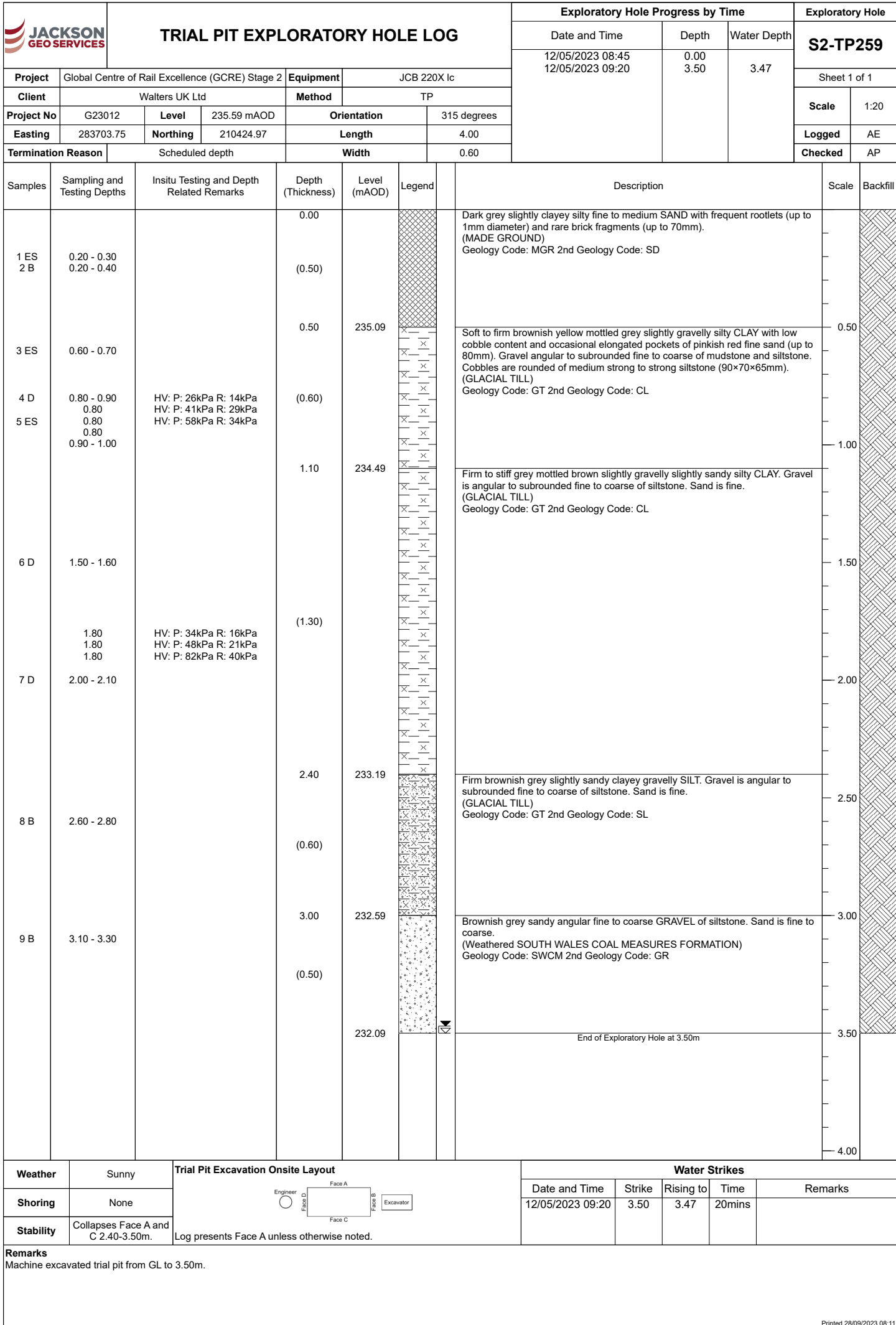
Exploratory Hole

S2-TP258

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283394.77	Equipment	JCB 222X 1c	Sheet 4 of 4
Client	Walters UK Ltd	Northing	210585.87	Method	TP	
Project No	G23012	Level	242.19 mAOD	Termination Reason	Scheduled depth	



S2-TP258 Spoil



		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-TP259
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283703.75	Equipment	JCB 220X 1c	Sheet 1 of 4
Client	Walters UK Ltd	Northing	210424.97	Method	TP	
Project No	G23012	Level	235.59 mAOD	Termination Reason	Scheduled depth	



S2-TP259 Face D



S2-TP259 Post Excavation

		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-TP259
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283703.75	Equipment	JCB 220X 1c	Sheet 2 of 4
Client	Walters UK Ltd	Northing	210424.97	Method	TP	
Project No	G23012	Level	235.59 mAOD	Termination Reason	Scheduled depth	



S2-TP259 Soakaway



S2-TP259 Spoil

		EXPLORATORY HOLE PHOTOGRAPHS		Exploratory Hole	
				S2-TP259	
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283703.75	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210424.97	Method	TP
Project No	G23012	Level	235.59 mAOD	Termination Reason	Scheduled depth

Sheet 3 of 4



S2-TP259 Face C



S2-TP259 Pre Excavation

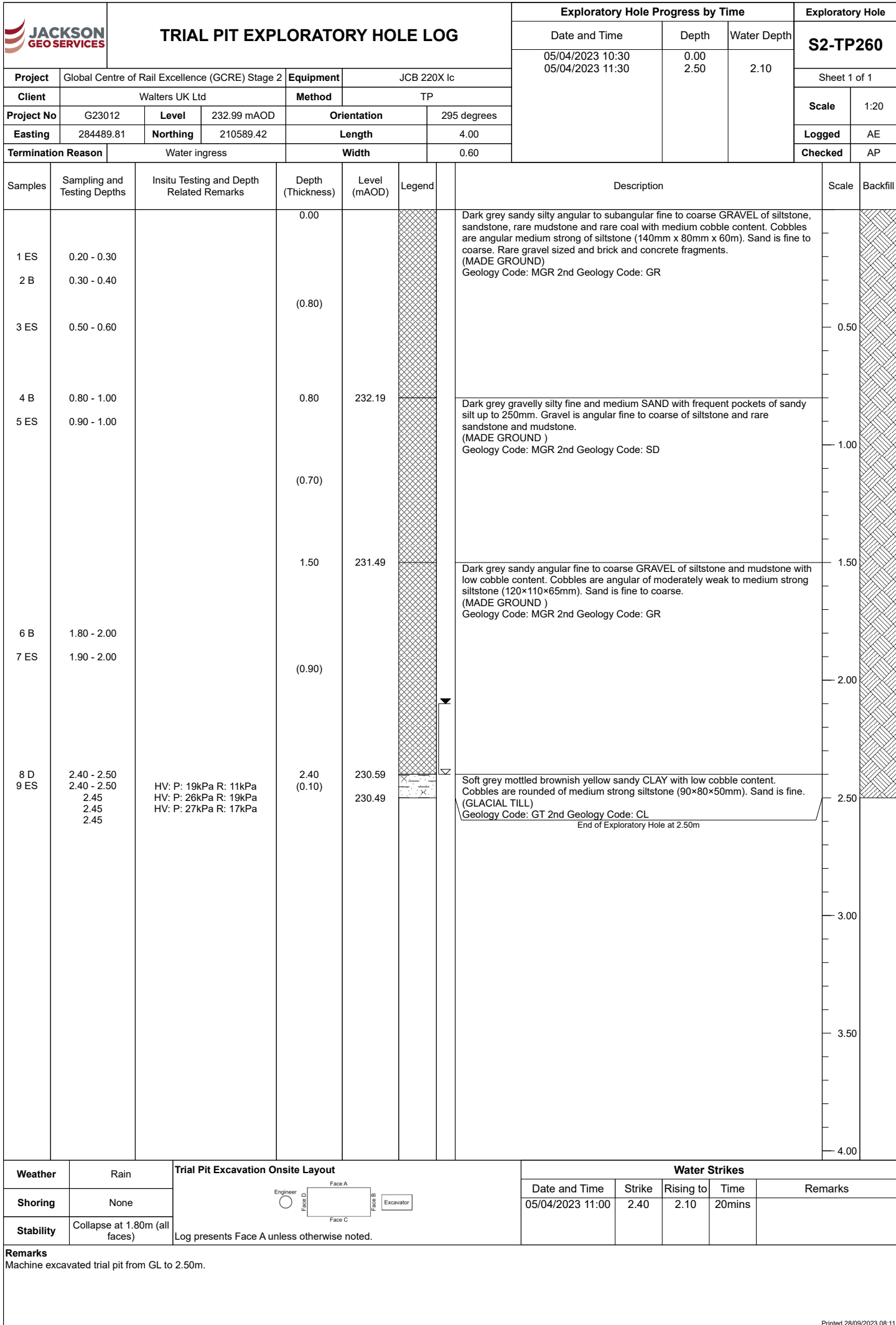
		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-TP259
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283703.75	Equipment	JCB 220X 1c	Sheet 4 of 4
Client	Walters UK Ltd	Northing	210424.97	Method	TP	
Project No	G23012	Level	235.59 mAOD	Termination Reason	Scheduled depth	



S2-TP259 Face A



S2-TP259 Face B



EXPLORATORY HOLE PHOTOGRAPHS

Exploratory Hole

S2-TP260

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284489.81	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210589.42	Method	TP
Project No	G23012	Level	232.99 mAOD	Termination Reason	Water ingress

Sheet 1 of 3



S2-TP260 Face D



S2-TP260 Face B

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284489.81	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210589.42	Method	TP
Project No	G23012	Level	232.99 mAOD	Termination Reason	Water ingress



S2-TP260 Face A



S2-TP260 Face C



EXPLORATORY HOLE PHOTOGRAPHS

Exploratory Hole

S2-TP260

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284489.81	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210589.42	Method	TP
Project No	G23012	Level	232.99 mAOD	Termination Reason	Water ingress

Sheet 3 of 3



S2-TP260 Spoil

		TRIAL PIT EXPLORATORY HOLE LOG				Exploratory Hole Progress by Time				Exploratory Hole		
						Date and Time		Depth	Water Depth	S2-TP261		
						04/04/2023 15:40 04/04/2023 17:00		0.00 3.00	Wet			
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	234.11 mAOD	Orientation		295 degrees		Logged	AE			
Easting	284590.97	Northing	210580.22	Length		5.50		Checked	AP			
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			Dark grey gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of sandstone quartzite and siltstone. Occasional brick fragments up to 120mm and timber up to 700mm. (MADE GROUND) Geology Code: MGR 2nd Geology Code: SD					
2 B	0.30 - 0.60			(0.80)								
3 ES	0.50 - 0.60										0.50	
4 ES	0.90 - 1.00			0.80	233.31		Firm to stiff grey mottled brownish yellow slightly sandy CLAY. Sand is fine. (MADE GROUND) Geology Code: MGR 2nd Geology Code: CL					
5 D	0.90 - 1.00			(0.50)							1.00	
6 B	1.40 - 1.60			1.30	232.81		Greyish brown clayey SAND and GRAVEL. Gravel is angular fine to coarse of mudstone. Sand is fine to coarse. (MADE GROUND) Geology Code: MGR 2nd Geology Code: SD					
				(0.50)							1.50	
				1.80	232.31	▼	1.70m - 1.70m Terracotta drain strike in Face C. Strike 0° to corner of face D.					
7 ES	2.00 - 2.10					▼	Dark grey slightly gravelly fine to coarse SAND. Gravel is angular fine to medium of coal. (GLACIAL TILL) Geology Code: GT 2nd Geology Code: SD					
8 B	2.00 - 2.20			(0.60)							2.00	
				2.40	231.71		Greyish brown SAND and GRAVEL. Gravel is angular fine to coarse of mudstone. Sand is medium to coarse. (GLACIAL TILL) Geology Code: GT 2nd Geology Code: GR					
				(0.60)		▼					2.50	
9 B	2.80 - 3.00											
10 ES	2.90 - 3.00				231.11	▼	End of Exploratory Hole at 3.00m				3.00	
											3.50	
											4.00	
Weather	Sunny	Trial Pit Excavation Onsite Layout				Water Strikes						
Shoring	None					Date and Time		Strike	Rising to	Time	Remarks	
Stability	Minor collapse at 1.70m (all faces)					04/04/2023 16:01 04/04/2023 16:40		1.80 3.00	1.74 2.69	20mins 20mins		
Remarks												
Machine excavated trial pit from GL to 3.00m												

		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-TP261
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284590.97	Equipment	JCB 220X lc	Sheet 1 of 3
Client	Walters UK Ltd	Northing	210580.22	Method	TP	
Project No	G23012	Level	234.11 mAOD	Termination Reason	Water ingress	



S2-TP261 Face A



S2-TP261 Face B

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284590.97	Equipment	JCB 220X 1c	Sheet 2 of 3
Client	Walters UK Ltd	Northing	210580.22	Method	TP	
Project No	G23012	Level	234.11 mAOD	Termination Reason	Water ingress	



S2-TP261 Face C



S2-TP261 Face D



EXPLORATORY HOLE PHOTOGRAPHS

Exploratory Hole

S2-TP261

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284590.97	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210580.22	Method	TP
Project No	G23012	Level	234.11 mAOD	Termination Reason	Water ingress

Sheet 3 of 3



S2-TP261 Spoil

JACKSON GEO SERVICES		TRIAL PIT EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time			Exploratory Hole		
								Date and Time		Depth	Water Depth	S2-TP262	
								05/04/2023 09:05 05/04/2023 09:30		0.00 2.00	Wet		
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	234.73 mAOD	Orientation		300 degrees		Logged	AE				
Easting	284632.27	Northing	210561.52	Length		4.50		Checked	AP				
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 2 B	0.20 - 0.30 0.20 - 0.40				0.00 (0.60)			Dark grey gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of siltstone and sandstone. Occasional brick fragments (400mm), occasional timber (up to 600mm) and rare industrial scrap metal (up to 400mm). (MADE GROUND) Geology Code: MGR 2nd Geology Code: SD	0.50				
3 ES 4 B 5 ES	0.50 - 0.60 0.80 - 1.00 0.90 - 1.00				0.60 (0.80)	234.13		Dark grey sandy angular to subangular fine to coarse GRAVEL of siltstone sandstone coal and occasional mudstone. Sand is fine to coarse. Occasional brick fragments (up to 130mm). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR 0.60m - 0.60m Polythene membrane.	1.00				
6 B 7 ES	1.80 - 2.00 1.90 - 2.00				1.40 (0.60)	233.33 232.73		Dark grey sandy angular fine to coarse GRAVEL of siltstone and mudstone with low cobble content. Cobbles are angular of moderatly weak to medium strong siltstone (120x110x65mm). Sand is fine to coarse. (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR	1.50				
End of Exploratory Hole at 2.00m									2.00				
									2.50				
									3.00				
									3.50				
									4.00				
Weather	raining		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	Collaspe Face C 1.40-2.00m							05/04/2023 09:20 05/04/2023 09:30		1.40 2.00	1.35 1.50	5mins 20mins	Seepage Fast
Remarks Machine excavated trial pit from GL to 2.00m													

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