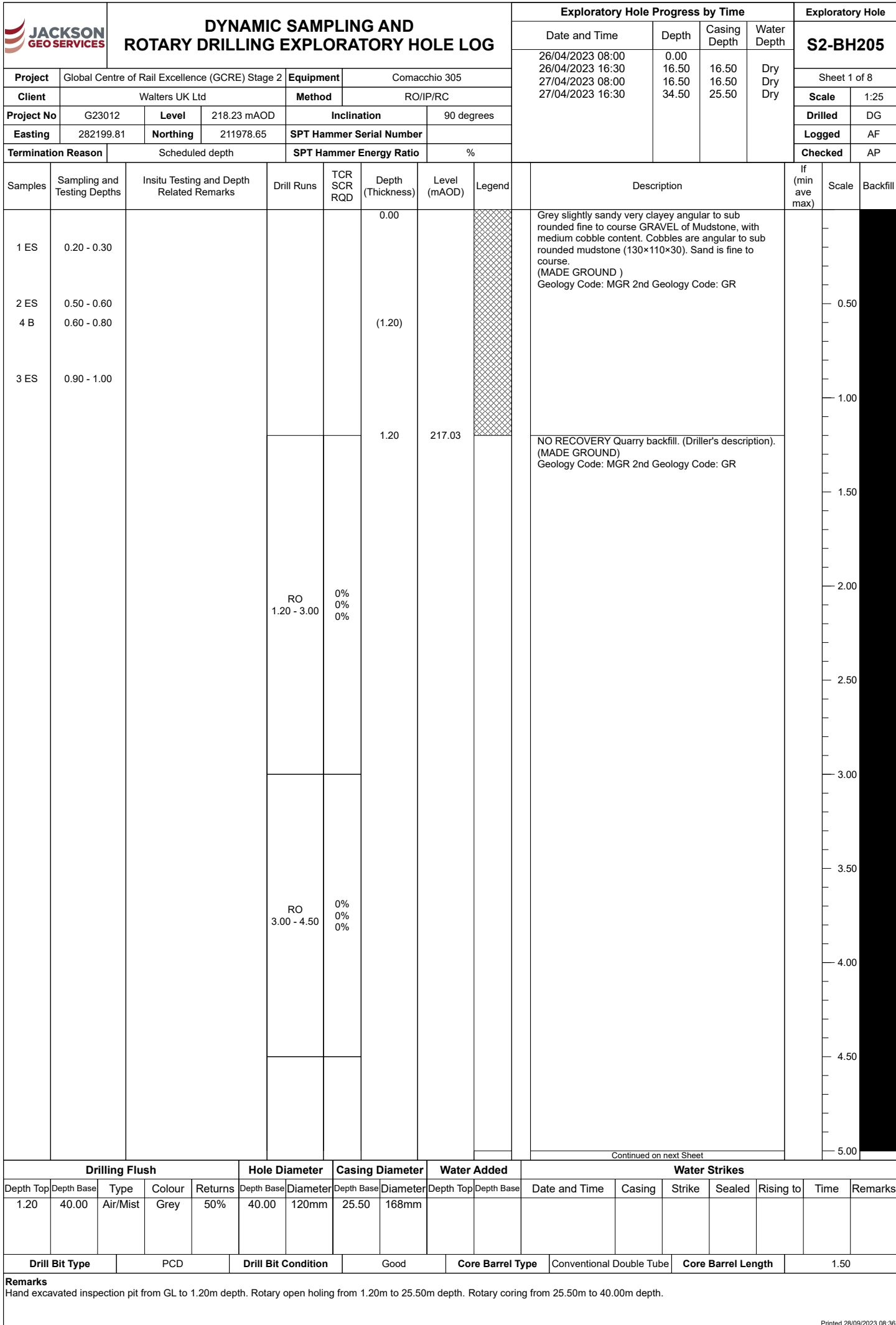
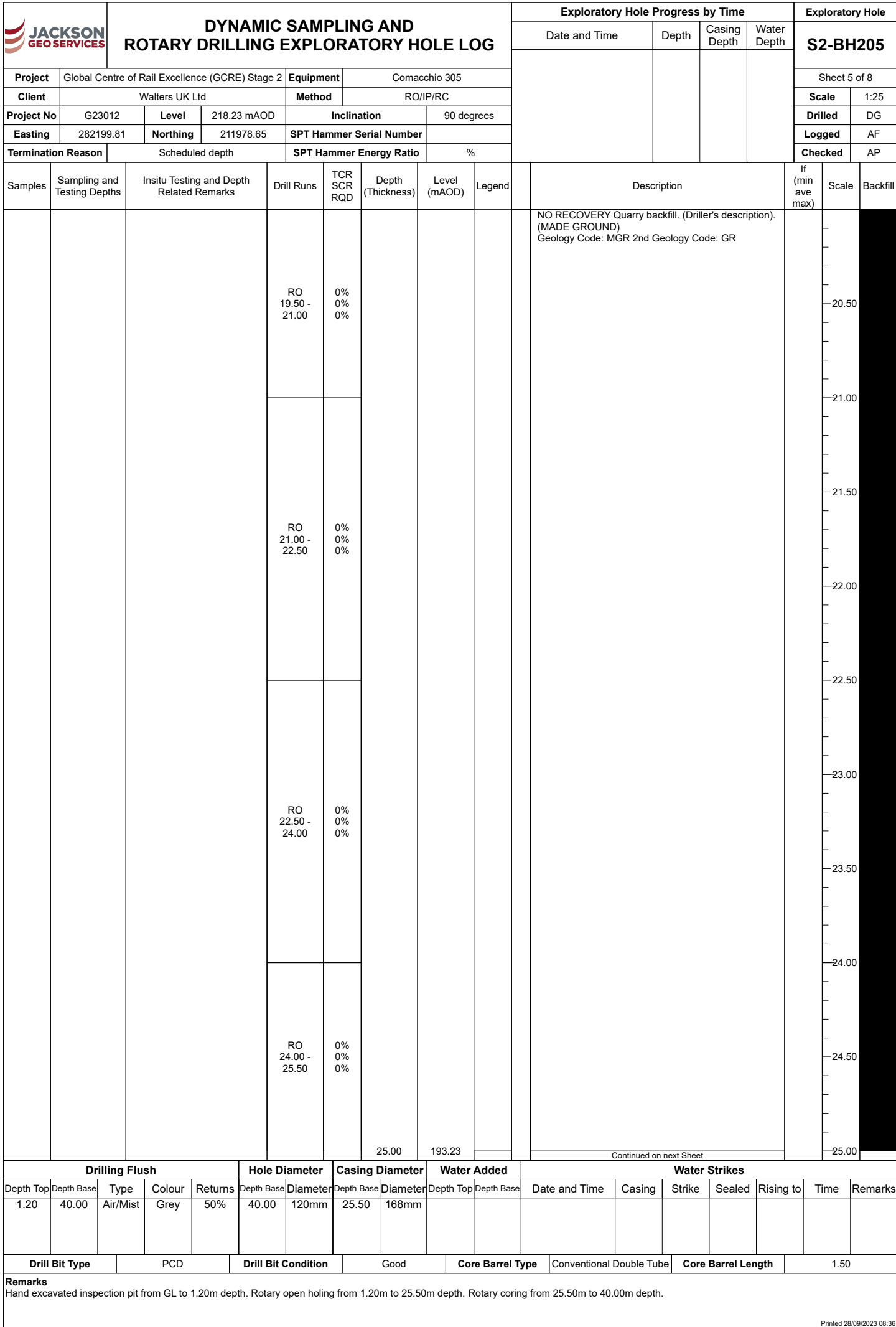




		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time				Exploratory Hole		
												Date and Time		Depth	Casing Depth	Water Depth	S2-BH205	
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Comacchio 305				Sheet 2 of 8						
Client		Walters UK Ltd				Method		RO/IP/RC				Scale	1:25					
Project No		G23012		Level		218.23 mAOD		Inclination		90 degrees		Drilled	DG					
Easting		282199.81		Northing		211978.65		SPT Hammer Serial Number				Logged	AF					
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked	AP					
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description		If (min ave max)	Scale	Backfill			
						RO 4.50 - 6.00	0% 0% 0%				NO RECOVERY Quarry backfill. (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR							
						RO 6.00 - 7.50	0% 0% 0%											
						RO 7.50 - 9.00	0% 0% 0%											
						RO 9.00 - 10.50	0% 0% 0%											
Continued on next Sheet																		
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
1.20	40.00	Air/Mist	Grey	50%	40.00	120mm	25.50	168mm										
Drill Bit Type		PCD		Drill Bit Condition		Good		Core Barrel Type		Conventional Double Tube		Core Barrel Length		1.50				
Remarks Hand excavated inspection pit from GL to 1.20m depth. Rotary open holing from 1.20m to 25.50m depth. Rotary coring from 25.50m to 40.00m depth.																		
Printed 28/09/2023 08:36																		

Printed 28/09/2023 08:36



Printed 28/09/2023 08:36

Printed 28/09/2023 08:36

Printed 28/09/2023 08:36

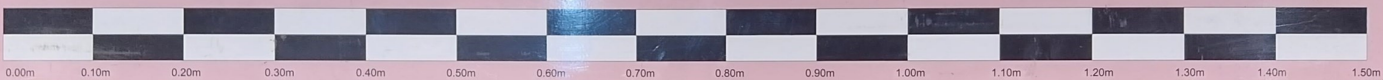
		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-BH205
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	282199.81	Equipment	Comacchio 305	Sheet 1 of 5
Client	Walters UK Ltd	Northing	211978.65	Method	RO/IP/RC	
Project No	G23012	Level	218.23 mAOD	Termination Reason	Scheduled depth	

Jackson Geoservices
Unit B3, Fram Enterprise Centre
Parc Busnes Edwards, Llantrisant
Pontyclun, CF72 8QZ

Email: team@jacksongeo.co.uk
Telephone: 02920 099 769



Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	2 MAY 2023
Exploratory Hole Number	S2-BH205	Box / Face Number	
Depth (m) from	25.50 to 27.00	Engineer	A

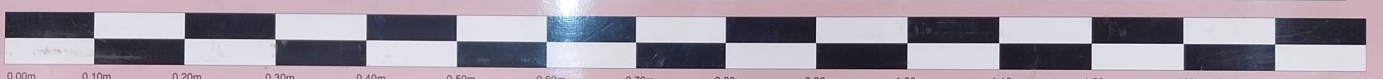

S2-BH205 25.50 m to 27.00 m

Jackson Geoservices
Unit B3, Fram Enterprise Centre
Parc Busnes Edwards, Llantrisant
Pontyclun, CF72 8QZ

Email: team@jacksongeo.co.uk
Telephone: 02920 099 769



Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	2 MAY 2023
Exploratory Hole Number	S2-BH205	Box / Face Number	
Depth (m) from	27.00 to 28.50	Engineer	A


S2-BH205 27.00 m to 28.50 m

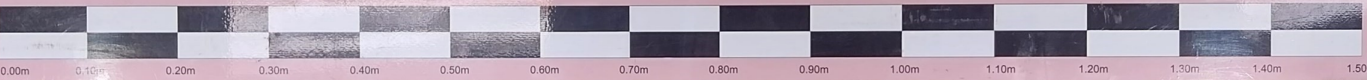
		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-BH205
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	282199.81	Equipment	Comacchio 305	Sheet 2 of 5
Client	Walters UK Ltd	Northing	211978.65	Method	RO/IP/RC	
Project No	G23012	Level	218.23 mAOD	Termination Reason	Scheduled depth	

Jackson Geoservices
Unit B3, Fram Enterprise Centre
Parc Busnes Edwards, Llantrisant
Pontyclun, CF72 8QZ

Email: team@jacksongeo.co.uk
Telephone: 02920 099 769



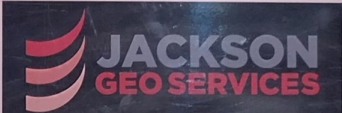
Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	2 MAY 2023
Exploratory Hole Number	S2-BH205	Box / Face Number	
Depth (m) from	2850 to 30.00	Engineer	A



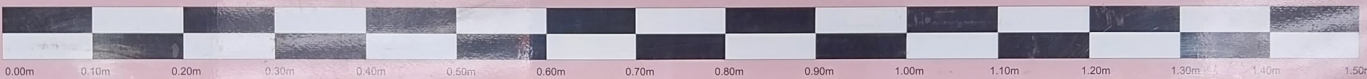

S2-BH205 28.50 m to 30.00 m

Jackson Geoservices
Unit B3, Fram Enterprise Centre
Parc Busnes Edwards, Llantrisant
Pontyclun, CF72 8QZ

Email: team@jacksongeo.co.uk
Telephone: 02920 099 769



Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	2 MAY 2023
Exploratory Hole Number	S2-BH205	Box / Face Number	
Depth (m) from	30.00 to 31.50	Engineer	A




S2-BH205 30.00 m to 31.50 m

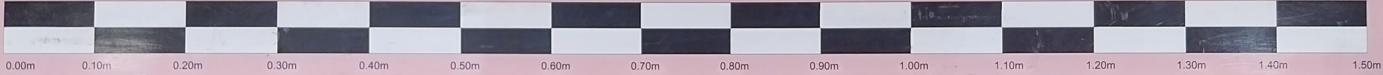
		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-BH205
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	282199.81	Equipment	Comacchio 305	Sheet 3 of 5
Client	Walters UK Ltd	Northing	211978.65	Method	RO/IP/RC	
Project No	G23012	Level	218.23 mAOD	Termination Reason	Scheduled depth	

Jackson Geoservices
Unit B3, Fram Enterprise Centre
Parc Busnes Edwards, Llantrisant
Pontyclun, CF72 8QZ

Email: team@jacksongeo.co.uk
Telephone: 02920 099 769



Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	2 MAY 2023
Exploratory Hole Number	S2-BH205	Box / Face Number	
Depth (m) from	31.50 to 33.00	Engineer	A




S2-BH205 31.50 m to 33.00 m

Jackson Geoservices
Unit B3, Fram Enterprise Centre
Parc Busnes Edwards, Llantrisant
Pontyclun, CF72 8QZ

Email: team@jacksongeo.co.uk
Telephone: 02920 099 769



Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	2 MAY 2023
Exploratory Hole Number	S2-BH205	Box / Face Number	
Depth (m) from	33.00 to 34.50	Engineer	A

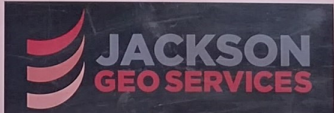



S2-BH205 33.00 m to 34.50 m

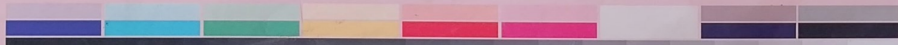
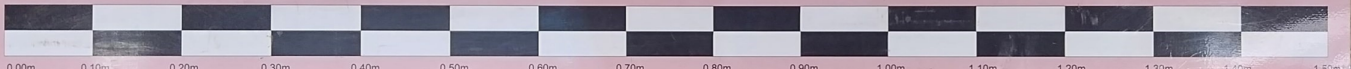
		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-BH205
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	282199.81	Equipment	Comacchio 305	Sheet 4 of 5
Client	Walters UK Ltd	Northing	211978.65	Method	RO/IP/RC	
Project No	G23012	Level	218.23 mAOD	Termination Reason	Scheduled depth	

Jackson Geoservices
Unit B3, Fram Enterprise Centre
Parc Busnes Edwards, Llantrisant
Pontyclun, CF72 8QZ

Email: team@jacksongeo.co.uk
Telephone: 02920 099 769



Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	2 MAY 2023
Exploratory Hole Number	S2-BH205	Box / Face Number	
Depth (m) from	34.50 to 36.00	Engineer	A



34.50m

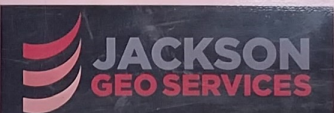
36.00m

37.50m

S2-BH205 34.50 m to 36.00 m

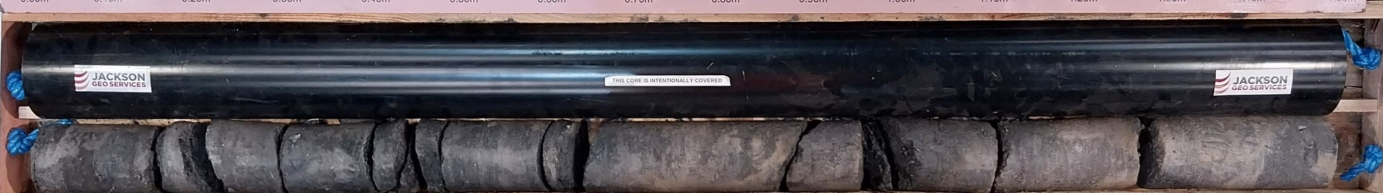
Jackson Geoservices
Unit B3, Fram Enterprise Centre
Parc Busnes Edwards, Llantrisant
Pontyclun, CF72 8QZ

Email: team@jacksongeo.co.uk
Telephone: 02920 099 769



Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	2 MAY 2023
Exploratory Hole Number	S2-BH205	Box / Face Number	
Depth (m) from	36.00 to 37.50	Engineer	A



34.50m

36.00m

37.50m

S2-BH205 36.00 m to 37.50 m

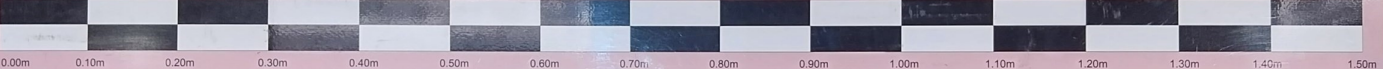
		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-BH205
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	282199.81	Equipment	Comacchio 305	Sheet 5 of 5
Client	Walters UK Ltd	Northing	211978.65	Method	RO/IP/RC	
Project No	G23012	Level	218.23 mAOD	Termination Reason	Scheduled depth	

Jackson Geoservices
Unit B3, Fram Enterprise Centre
Parc Busnes Edwards, Llantrisant
Pontyclun, CF72 8QZ

Email: team@jacksongeo.co.uk
Telephone: 02920 099 769



Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	2 MAY 2023
Exploratory Hole Number	S2-BH205	Box / Face Number	
Depth (m) from	37.50 to 39.00	Engineer	A





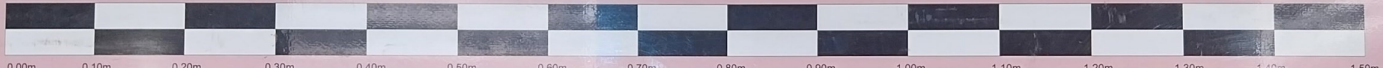
S2-BH205 37.50 m to 39.00 m

Jackson Geoservices
Unit B3, Fram Enterprise Centre
Parc Busnes Edwards, Llantrisant
Pontyclun, CF72 8QZ

Email: team@jacksongeo.co.uk
Telephone: 02920 099 769



Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	2 MAY 2023
Exploratory Hole Number	S2-BH205	Box / Face Number	
Depth (m) from	39.00 to 40.00	Engineer	A

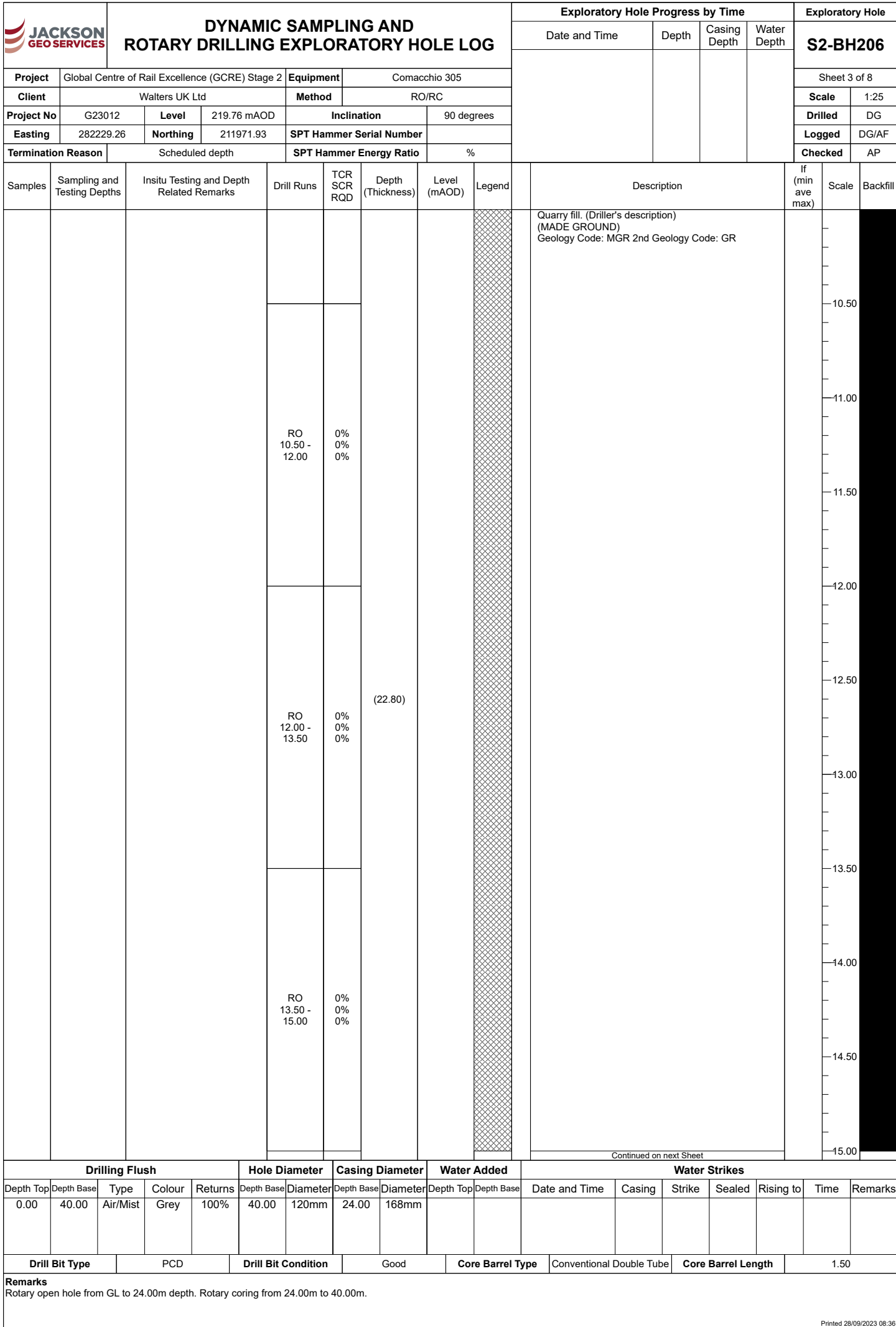


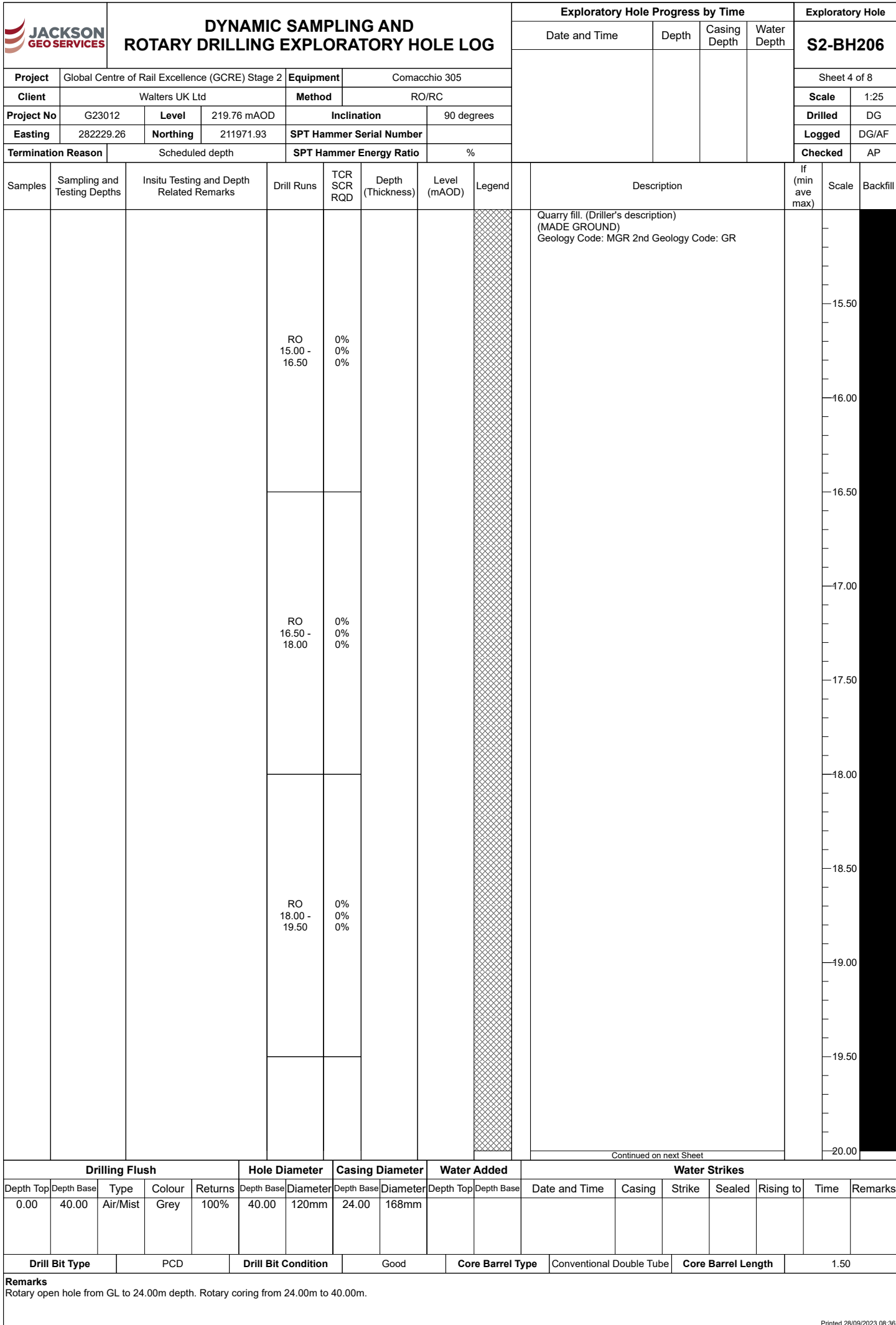


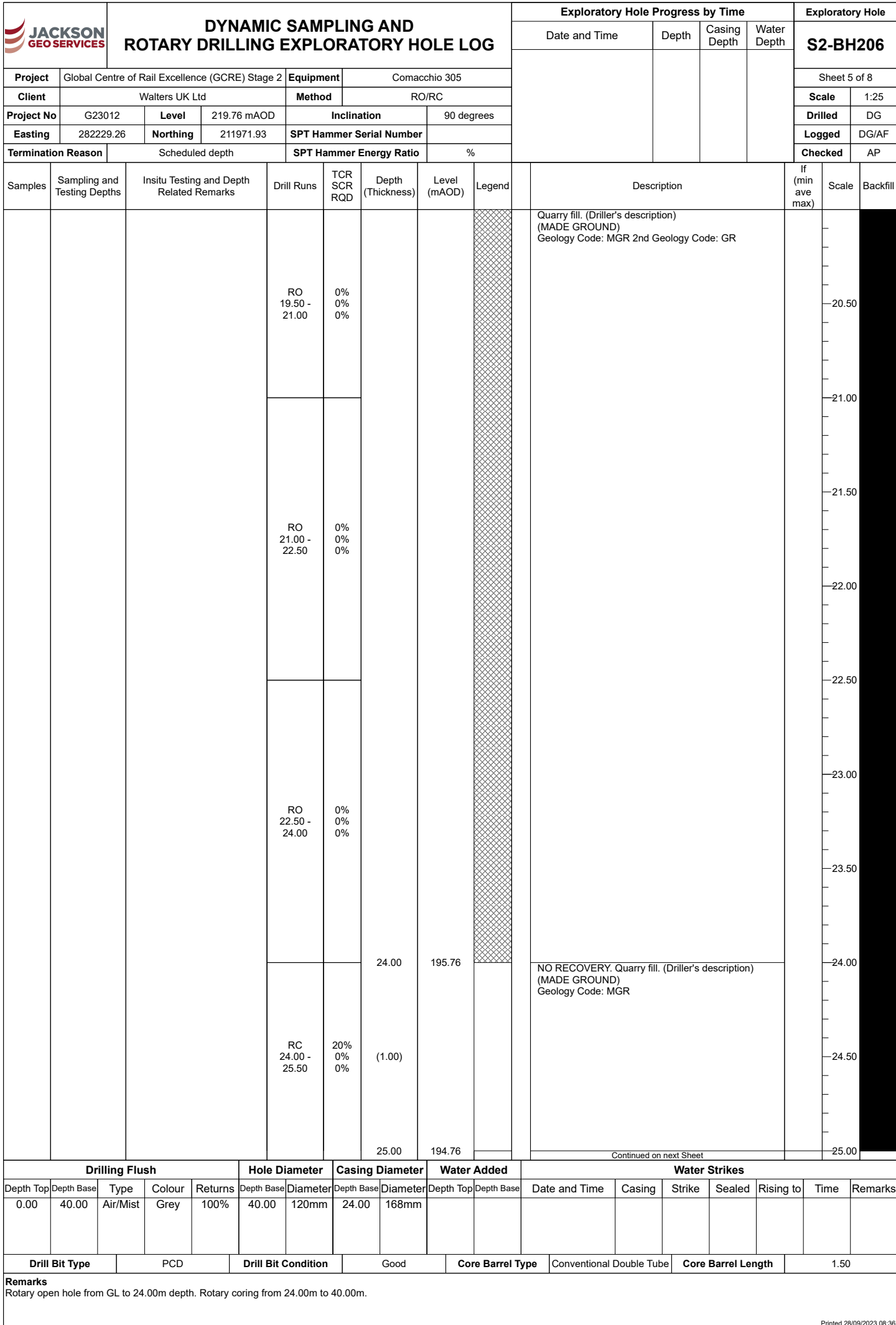
S2-BH205 39.00 m to 40.00 m

		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH206				
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Comacchio 305				Sheet 1 of 8					
Client		Walters UK Ltd				Method		RO/RC				Scale 1:25					
Project No		G23012		Level		219.76 mAOD		Inclination		90 degrees		Drilled DG					
Easting		282229.26		Northing		211971.93		SPT Hammer Serial Number				Logged DG/AF					
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked AP					
Samples	Sampling and Testing Depths		Insitu Testing and Depth Related Remarks			Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description		If (min ave max)	Scale	Backfill		
1 ES	0.20 - 0.30 0.20		PID: 0.0ppmv			RO 0.00 - 1.50	0% 0% 0%	0.00	218.56		Dark grey slightly sandy very clayey angular to subrounded fine to coarse GRAVEL with medium cobble content. Sand is fine to coarse. Cobbles are angular to subrounded siltstone (100x80x50mm) (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR		0.50	1.00			
3 B	0.40 - 0.60		PID: 0.0ppmv					(1.20)			1.20	Quarry fill. (Driller's description) (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR				1.50	
2 ES	0.50 - 0.60 0.50							RO 1.50 - 3.00			0% 0% 0%					2.00	
						RO 3.00 - 4.50	0% 0% 0%					2.50					
													3.00				
													3.50				
													4.00				
													4.50				
													5.00				
Continued on next Sheet																	
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	40.00	Air/Mist	Grey	100%	40.00	120mm	24.00	168mm									
Drill Bit Type		PCD		Drill Bit Condition		Good		Core Barrel Type		Conventional Double Tube		Core Barrel Length		1.50			
Remarks Rotary open hole from GL to 24.00m depth. Rotary coring from 24.00m to 40.00m.																	
Printed 28/09/2023 08:36																	

JACKSON GEO SERVICES		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH206				
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Comacchio 305				Sheet 2 of 8					
Client		Walters UK Ltd				Method		RO/RC				Scale	1:25				
Project No		G23012		Level		219.76 mAOD		Inclination		90 degrees		Drilled	DG				
Easting		282229.26		Northing		211971.93		SPT Hammer Serial Number				Logged	DG/AF				
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked	AP				
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description		If (min ave max)	Scale	Backfill		
						RO 4.50 - 6.00	0% 0% 0%				Quarry fill. (Driller's description) (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR						
						RO 6.00 - 7.50	0% 0% 0%										
						RO 7.50 - 9.00	0% 0% 0%										
						RO 9.00 - 10.50	0% 0% 0%										
											Continued on next Sheet						
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	40.00	Air/Mist	Grey	100%	40.00	120mm	24.00	168mm									
Drill Bit Type		PCD		Drill Bit Condition		Good		Core Barrel Type		Conventional Double Tube		Core Barrel Length		1.50			
Remarks																	
Rotary open hole from GL to 24.00m depth. Rotary coring from 24.00m to 40.00m.																	
Printed 28/09/2023 08:36																	

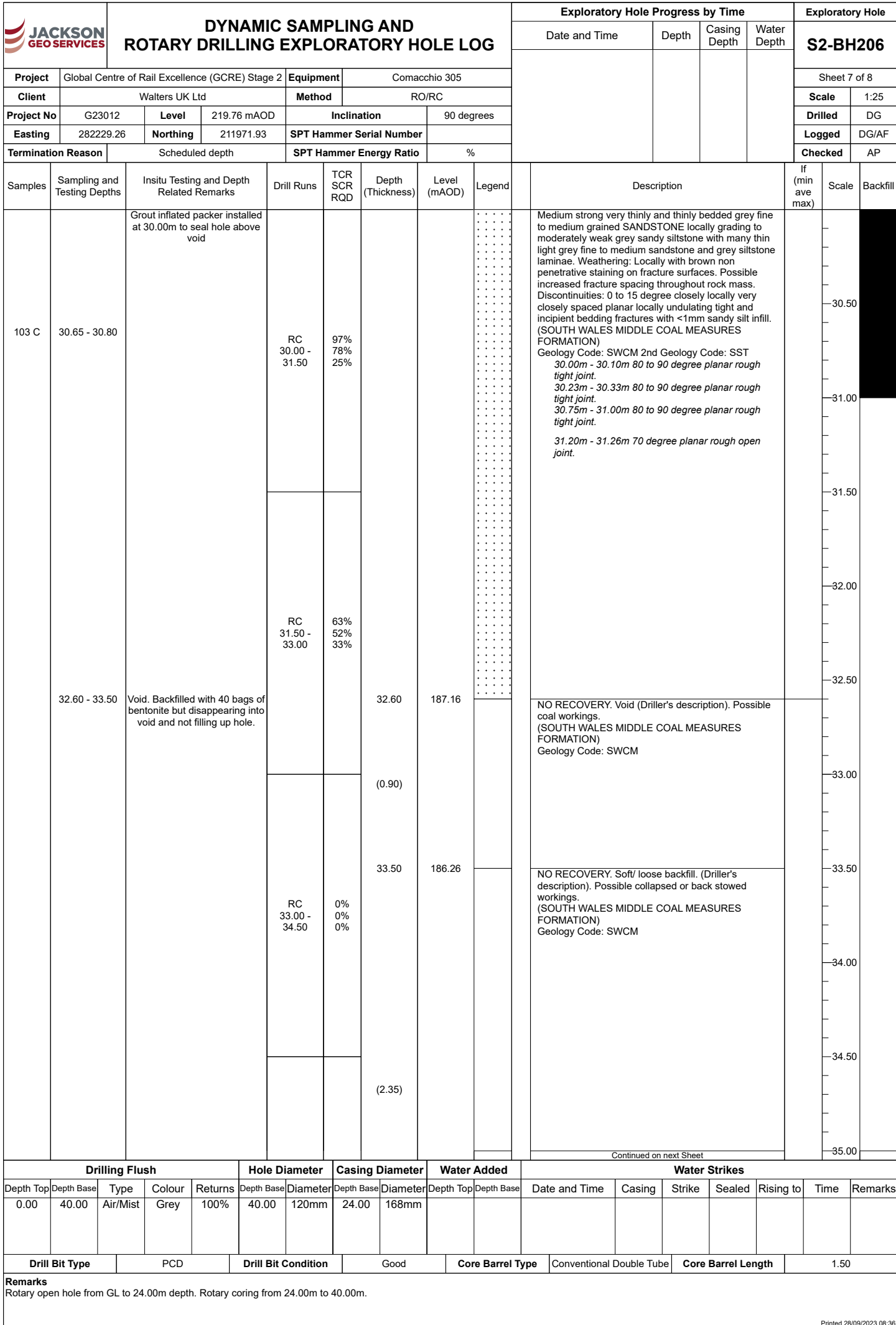






		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH206				
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Comacchio 305				Sheet 6 of 8					
Client		Walters UK Ltd				Method		RO/RC				Scale	1:25				
Project No		G23012		Level		219.76 mAOD		Inclination		90 degrees		Drilled	DG				
Easting		282229.26		Northing		211971.93		SPT Hammer Serial Number				Logged	DG/AF				
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked	AP				
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill			
101 C	26.36 - 26.52							(0.60)			Partial recovery. Possible loss of weaker more weathered material. Medium strong grey fine grained SANDSTONE. NI recovered as angular to subangular coarse gravel and cobbles. Possible 0 to 20 degree and randomly orientated very closely spaced fractures. (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: SST	Set 1 NI NI NI	25.50				
								25.60 (0.20) 25.80	194.16 193.96	 x					Partial recovery. Possible loss of weaker/ more weathered material. Recovered material comprises subangular to subrounded cobble size fragments of moderately weak SILTSTONE and strong grey iron rich fine grained SANDSTONE with orange brown staining and a little dark grey black silty clay. Possible randomly orientated very closely to closely spaced fractures. (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: SZT	Set 1 <20 80 170	
						RC 25.50 - 27.00	80% 51% 27%				Medium strong very thinly and thinly bedded grey fine to medium grained SANDSTONE locally grading to moderately weak grey sandy siltstone with many thin light grey fine to medium sandstone and grey siltstone laminae. Weathering: Locally with brown non penetrative staining on fracture surfaces. Possible increased fracture spacing throughout rock mass. Discontinuities: 0 to 15 degree closely locally very closely spaced planar locally undulating tight and incipient bedding fractures with <1mm sandy silt infill. (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: SST 27.00m - 27.25m 80 degree planar rough tight joint. 27.25m - 27.34m 60 degree planar rough tight joint with quartz mineralisation 2mm.						
						RC 27.00 - 28.50	100% 62% 22%										
102 C	29.15 - 29.32							(6.80)			27.65m - 27.80m 80 to 90 degree planar rough tight joint. 27.80m - 27.85m Weak grey siltstone. 27.90m - 29.10m 65 to 90 degree very closely spaced conjugate planar rough tight joint locally with 0 to 15 degree very closely spaced fractures, locally NI.	26.00	26.50				
																	
						RC 28.50 - 30.00	100% 81% 52%				29.40m - 29.51m 80 to 90 degree undulating rough open joint.						
																	
30.00 - 31.00												29.00					
Continued on next Sheet														30.00			
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	40.00	Air/Mist	Grey	100%	40.00	120mm	24.00	168mm									
Drill Bit Type		PCD		Drill Bit Condition		Good		Core Barrel Type		Conventional Double Tube		Core Barrel Length		1.50			
Remarks																	
Rotary open hole from GL to 24.00m depth. Rotary coring from 24.00m to 40.00m.																	

Printed 28/09/2023 08:36





Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time	Depth	Casing Depth	Water Depth	S2-BH206	
				Sheet 8 of 8	
				Scale	1:25
				Drilled	DG
				Logged	DG/AF
				Checked	AP

Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.00	40.00	Air/Mist	Grey	100%	40.00	120mm	24.00	168mm									
Drill Bit Type		PCD		Drill Bit Condition		Good		Core Barrel Type		Conventional Double Tube		Core Barrel Length		1.50			

Printed 28/09/2023 08:36

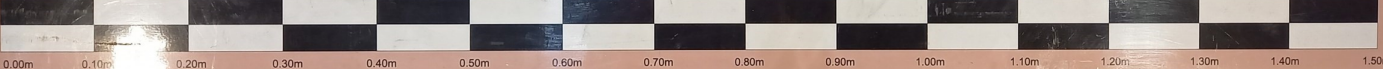
		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-BH206
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	282229.26	Equipment	Comacchio 305	Sheet 1 of 5
Client	Walters UK Ltd	Northing	211971.93	Method	RO/RC	
Project No	G23012	Level	219.76 mAOD	Termination Reason	Scheduled depth	

Jackson Geoservices
Unit B3, Fram Enterprise Centre
Parc Busnes Edwards, Llantrisant
Pontyclun, CF72 8QZ

Email: team@jacksonge.co.uk
Telephone: 02920 099 769



Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	26 APRIL 2023
Exploratory Hole Number	S2-BH206	Box / Face Number	
Depth (m) from	24.00 to 25.50	Engineer	A



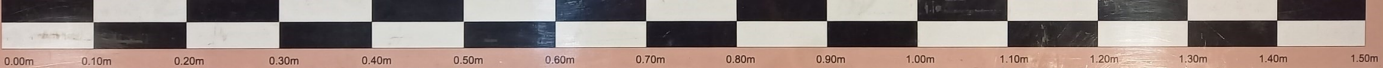
S2-BH206 24.00 m to 25.50 m

Jackson Geoservices
Unit B3, Fram Enterprise Centre
Parc Busnes Edwards, Llantrisant
Pontyclun, CF72 8QZ

Email: team@jacksonge.co.uk
Telephone: 02920 099 769



Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	26 APRIL 2023
Exploratory Hole Number	S2-BH206	Box / Face Number	
Depth (m) from	25.50 to 27.00	Engineer	A



S2-BH206 25.50 m to 27.00 m

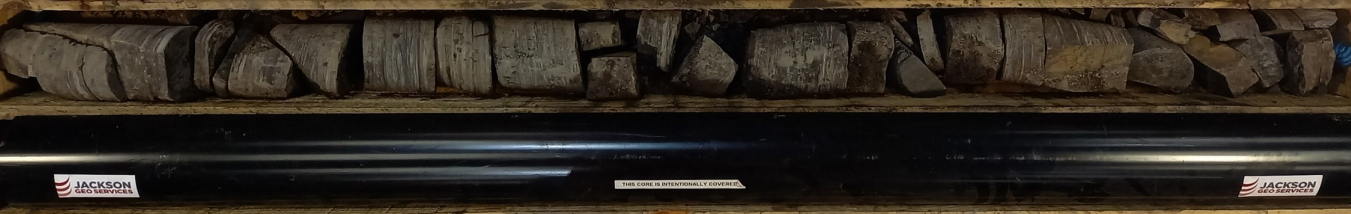
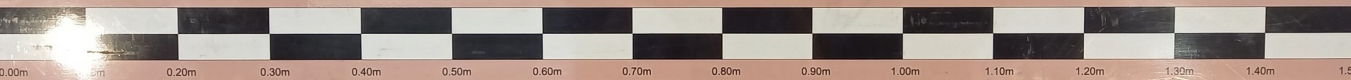
		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-BH206
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	282229.26	Equipment	Comacchio 305	Sheet 2 of 5
Client	Walters UK Ltd	Northing	211971.93	Method	RO/RC	
Project No	G23012	Level	219.76 mAOD	Termination Reason	Scheduled depth	

Jackson Geoservices
Unit B3, Fram Enterprise Centre
Parc Busnes Edwards, Llantrisant
Pontyclun, CF72 8QZ

Email: team@jacksongeo.co.uk
Telephone: 02920 099 769



Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	26 APRIL 2023
Exploratory Hole Number	S2-BH206	Box / Face Number	
Depth (m) from	27.00 to 28.50	Engineer	A



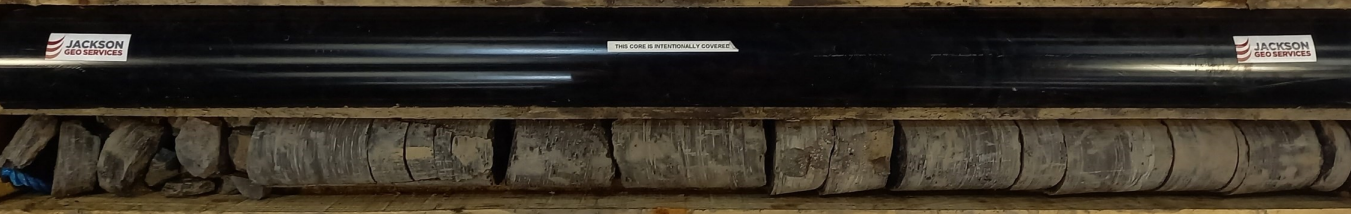
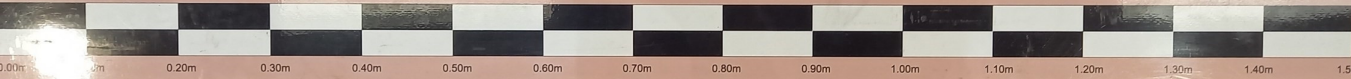
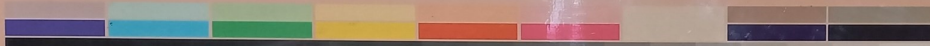
S2-BH206 27.00 m to 28.50 m

Jackson Geoservices
Unit B3, Fram Enterprise Centre
Parc Busnes Edwards, Llantrisant
Pontyclun, CF72 8QZ

Email: team@jacksongeo.co.uk
Telephone: 02920 099 769



Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	26 APRIL 2023
Exploratory Hole Number	S2-BH206	Box / Face Number	
Depth (m) from	28.50 to 30.00	Engineer	A



S2-BH206 28.50 m to 30.00 m

		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-BH206
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	282229.26	Equipment	Comacchio 305	Sheet 3 of 5
Client	Walters UK Ltd	Northing	211971.93	Method	RO/RC	
Project No	G23012	Level	219.76 mAOD	Termination Reason	Scheduled depth	

Jackson Geoservices

Unit B3, Fram Enterprise Centre

Parc Busnes Edwards, Llantrisant

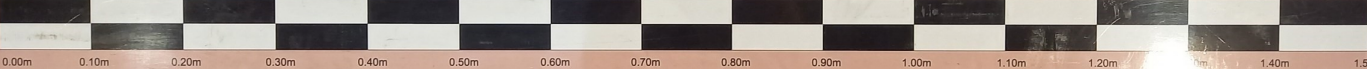
Pontyclun, CF72 8QZ

Email: team@jacksonge.co.uk

Telephone: 02920 099 769



Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	26 APRIL 2023
Exploratory Hole Number	S2-BH206	Box / Face Number	
Depth (m) from	30.00 to 31.50	Engineer	A


S2-BH206 30.00 m to 31.50 m

Jackson Geoservices

Unit B3, Fram Enterprise Centre

Parc Busnes Edwards, Llantrisant

Pontyclun, CF72 8QZ

Email: team@jacksonge.co.uk

Telephone: 02920 099 769



Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	26 APRIL 2023
Exploratory Hole Number	S2-BH206	Box / Face Number	
Depth (m) from	31.50 to 33.00	Engineer	A





S2-BH206 31.50 m to 33.00 m

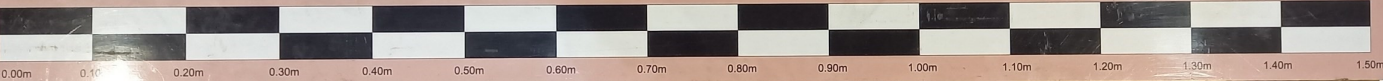
		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-BH206
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	282229.26	Equipment	Comacchio 305	Sheet 4 of 5
Client	Walters UK Ltd	Northing	211971.93	Method	RO/RC	
Project No	G23012	Level	219.76 mAOD	Termination Reason	Scheduled depth	

Jackson Geoservices
Unit B3, Fram Enterprise Centre
Parc Busnes Edwards, Llantrisant
Pontyclun, CF72 8QZ

Email: team@jacksonge.co.uk
Telephone: 02920 099 769



Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	26 APRIL 2023
Exploratory Hole Number	S2-BH206	Box / Face Number	
Depth (m) from	34.50 to 36.00	Engineer	A

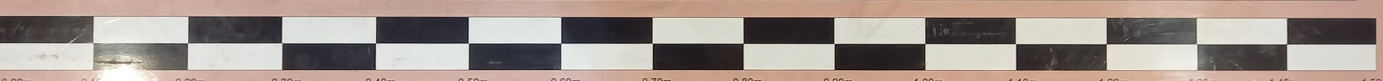

S2-BH206 34.50 m to 36.00 m

Jackson Geoservices
Unit B3, Fram Enterprise Centre
Parc Busnes Edwards, Llantrisant
Pontyclun, CF72 8QZ

Email: team@jacksonge.co.uk
Telephone: 02920 099 769



Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	26 APRIL 2023
Exploratory Hole Number	S2-BH206	Box / Face Number	
Depth (m) from	36.00 to 37.50	Engineer	A


S2-BH206 36.00 m to 37.50 m

		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-BH206
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	282229.26	Equipment	Comacchio 305	Sheet 5 of 5
Client	Walters UK Ltd	Northing	211971.93	Method	RO/RC	
Project No	G23012	Level	219.76 mAOD	Termination Reason	Scheduled depth	

Jackson Geoservices

Unit B3, Fram Enterprise Centre

Parc Busnes Edwards, Llantrisant

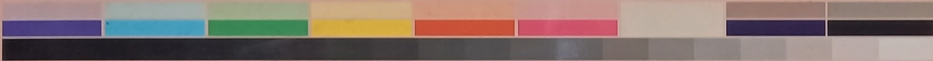
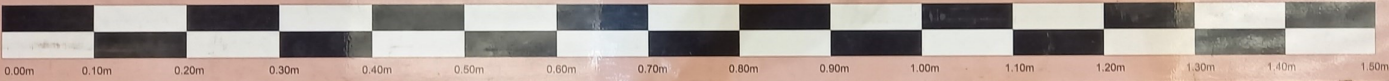
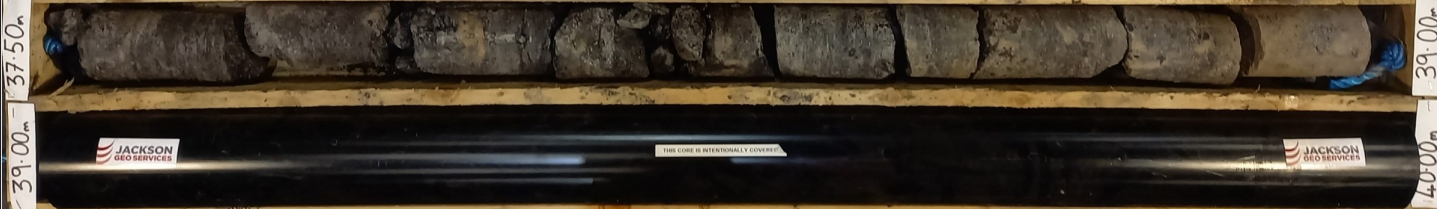
Pontyclun, CF72 8QZ

Email: team@jacksongeo.co.uk

Telephone: 02920 099 769



Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	26 APRIL 2023
Exploratory Hole Number	S2-BH206	Box / Face Number	
Depth (m) from	37.50 to 39.00	Engineer	A

S2-BH206 37.50 m to 39.00 m

Jackson Geoservices

Unit B3, Fram Enterprise Centre

Parc Busnes Edwards, Llantrisant

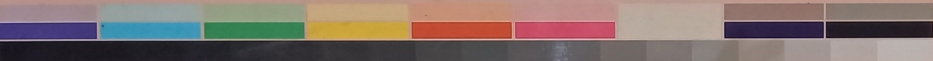
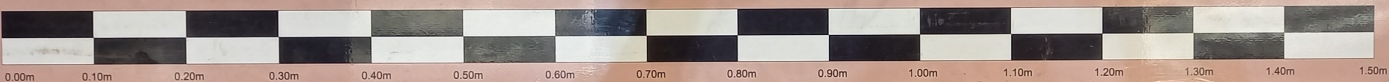
Pontyclun, CF72 8QZ

Email: team@jacksongeo.co.uk

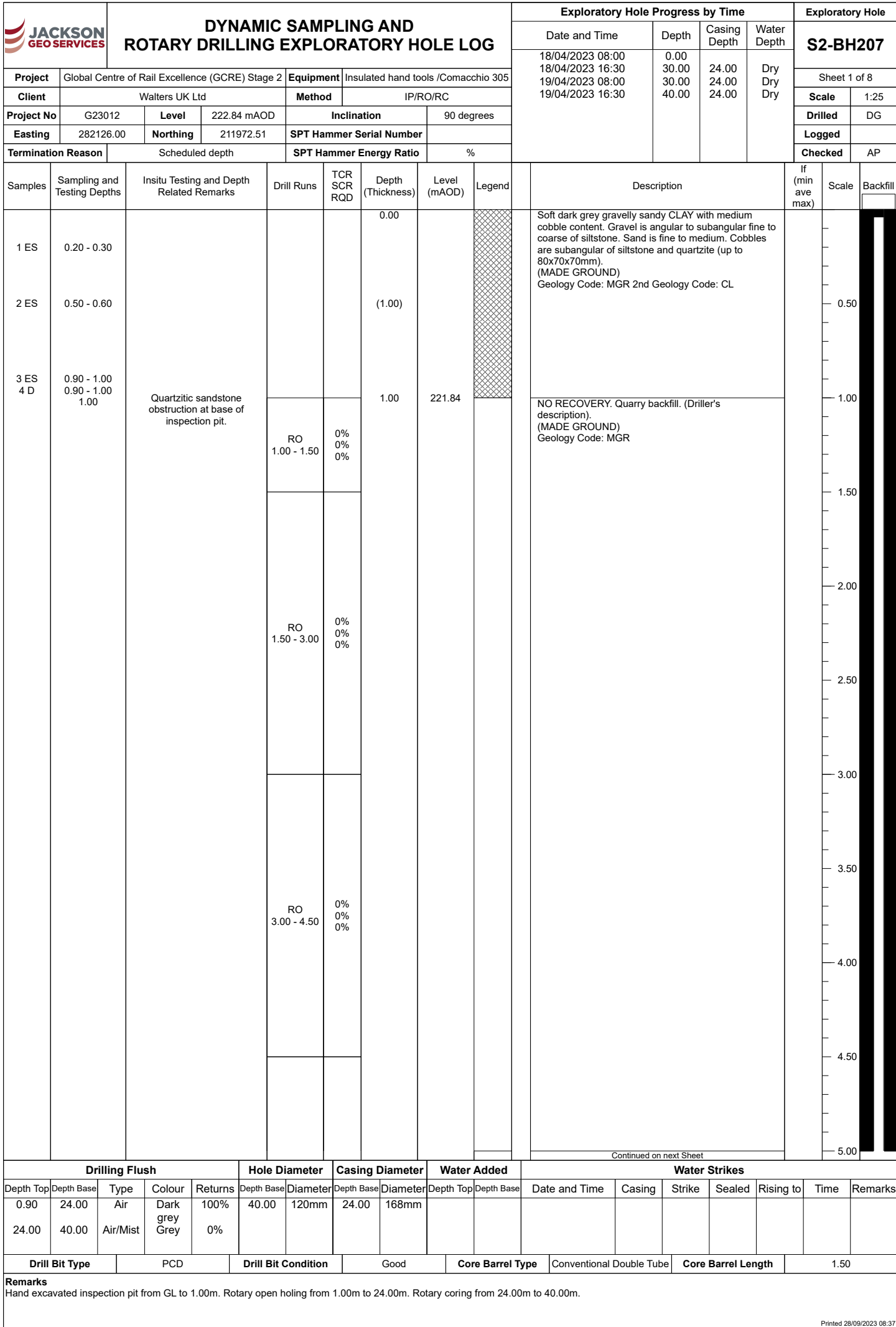
Telephone: 02920 099 769



Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	26 APRIL 2023
Exploratory Hole Number	S2-BH206	Box / Face Number	
Depth (m) from	39.00 to 40.00	Engineer	A

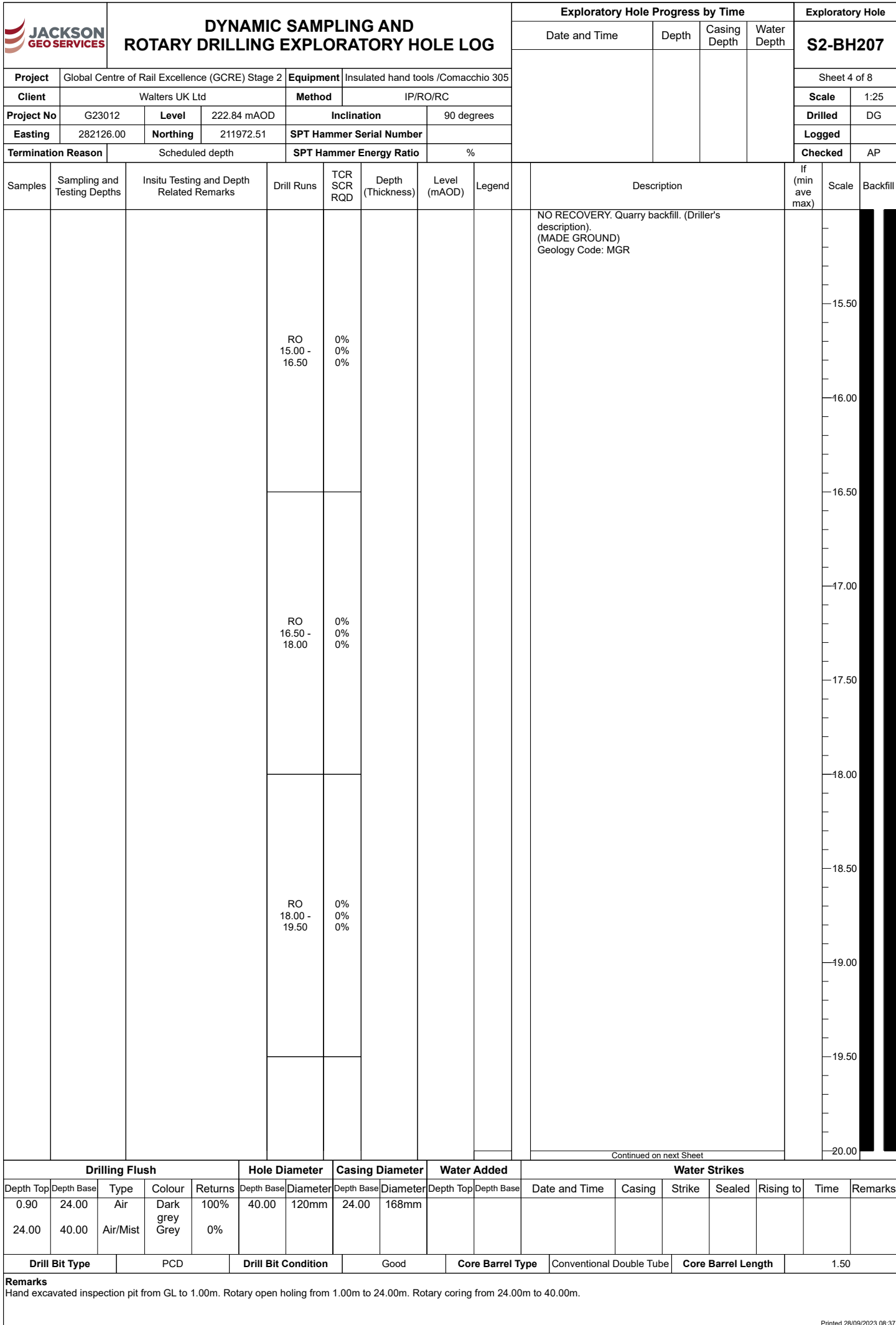




S2-BH206 39.00 m to 40.00 m

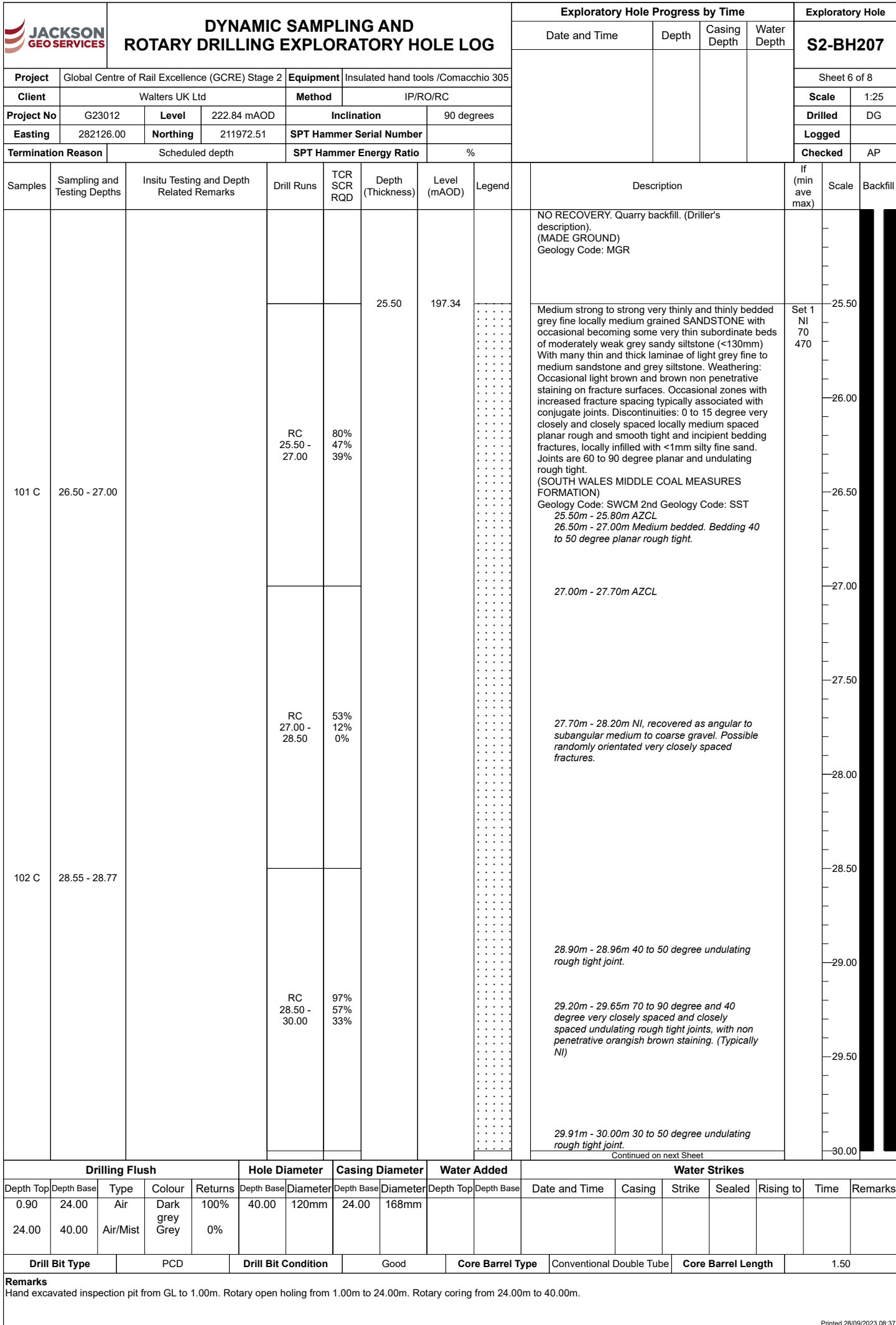


JACKSON GEO SERVICES		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH207				
Project	Global Centre of Rail Excellence (GCRE) Stage 2				Equipment	Insulated hand tools /Comacchio 305				Sheet 2 of 8							
Client	Walters UK Ltd				Method	IP/RO/RC				Scale	1:25						
Project No	G23012		Level	222.84 mAOD		Inclination	90 degrees		Drilled	DG							
Easting	282126.00		Northing	211972.51		SPT Hammer Serial Number			Logged								
Termination Reason	Scheduled depth				SPT Hammer Energy Ratio	%		Checked	AP								
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill					
				RO 4.50 - 6.00	0% 0% 0%				NO RECOVERY. Quarry backfill. (Driller's description). (MADE GROUND) Geology Code: MGR								
				RO 6.00 - 7.50	0% 0% 0%												
				RO 7.50 - 9.00	0% 0% 0%												
				RO 9.00 - 10.50	0% 0% 0%												
Continued on next Sheet																	
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.90	24.00	Air	Dark grey	100%	40.00	120mm	24.00	168mm									
24.00	40.00	Air/Mist	Grey	0%													
Drill Bit Type		PCD		Drill Bit Condition		Good		Core Barrel Type		Conventional Double Tube		Core Barrel Length		1.50			
Remarks																	
Hand excavated inspection pit from GL to 1.00m. Rotary open holing from 1.00m to 24.00m. Rotary coring from 24.00m to 40.00m.																	
Printed 28/09/2023 08:37																	

JACKSON GEO SERVICES		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH207				
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	Insulated hand tools /Comacchio 305									Sheet 3 of 8			
Client	Walters UK Ltd			Method	IP/RO/RC												
Project No	G23012	Level	222.84 mAOD	Inclination		90 degrees											
Easting	282126.00	Northing	211972.51	SPT Hammer Serial Number													
Termination Reason		Scheduled depth		SPT Hammer Energy Ratio		%											
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description		If (min ave max)	Scale	Backfill				
									NO RECOVERY. Quarry backfill. (Driller's description). (MADE GROUND) Geology Code: MGR								
				RO 10.50 - 12.00	0% 0% 0%												
				RO 12.00 - 13.50	0% 0% 0%												
				RO 13.50 - 15.00	0% 0% 0%	(24.50)											
Continued on next Sheet																	
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
0.90	24.00	Air	Dark grey Grey	100%	40.00	120mm	24.00	168mm									
24.00	40.00	Air/Mist		0%													
Drill Bit Type		PCD		Drill Bit Condition		Good		Core Barrel Type		Conventional Double Tube		Core Barrel Length		1.50			
Remarks																	
Hand excavated inspection pit from GL to 1.00m. Rotary open holing from 1.00m to 24.00m. Rotary coring from 24.00m to 40.00m.																	
Printed 28/09/2023 08:37																	



Printed 28/09/2023 08:37



JACKSON GEO SERVICES		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole									
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH207								
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Insulated hand tools /Comacchio 305				Sheet 7 of 8									
Client		Walters UK Ltd				Method		IP/RO/RC				Scale 1:25									
Project No		G23012		Level		222.84 mAOD		Inclination		90 degrees		Drilled DG									
Easting		282126.00		Northing		211972.51		SPT Hammer Serial Number				Logged									
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked AP									
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description		If (min ave max)	Scale	Backfill						
103 C	30.30 - 30.53					RC 30.00 - 31.50	83% 69% 38%	(12.00)			Medium strong to strong very thinly and thinly bedded grey fine locally medium grained SANDSTONE with occasional becoming some very thin subordinate beds of moderately weak grey sandy siltstone (<130mm) With many thin and thick laminae of light grey fine to medium sandstone and grey siltstone. Weathering: Occasional light brown and brown non penetrative staining on fracture surfaces. Occasional zones with increased fracture spacing typically associated with conjugate joints. Discontinuities: 0 to 15 degree very closely and closely spaced locally medium spaced planar rough and smooth tight and incipient bedding fractures, locally infilled with <1mm silty fine sand. Joints are 60 to 90 degree planar and undulating rough tight. (SOUTH WALES MIDDLE COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: SST	30.50	31.00	31.50	32.00	32.50	33.00	33.50	34.00	34.50	35.00
						RC 31.50 - 33.00	97% 68% 7%				31.50m - 31.80m 80 to 90 degree planar rough tight joint.										
						RC 33.00 - 34.50	87% 61% 7%				33.00m - 33.20m AZCL. Possible subvertical joint.										
Continued on next Sheet																					
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes										
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks				
0.90	24.00	Air	Dark grey Grey	100%	40.00	120mm	24.00	168mm													
24.00	40.00	Air/Mist		0%																	
Drill Bit Type		PCD			Drill Bit Condition		Good		Core Barrel Type		Conventional Double Tube		Core Barrel Length		1.50						
Remarks Hand excavated inspection pit from GL to 1.00m. Rotary open holing from 1.00m to 24.00m. Rotary coring from 24.00m to 40.00m.																					
Printed 28/09/2023 08:37																					

Printed 28/09/2023 08:37

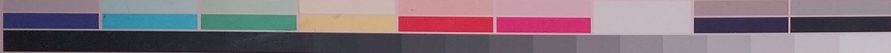
		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-BH207
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	282126.00	Equipment	Insulated hand tools /Comacchio 305	Sheet 1 of 5
Client	Walters UK Ltd	Northing	211972.51	Method	IP/RO/RC	
Project No	G23012	Level	222.84 mAOD	Termination Reason	Scheduled depth	

Jackson Geoservices
Unit B3, Fram Enterprise Centre
Parc Busnes Edwards, Llantrisant
Pontyclun, CF72 8QZ

Email: team@jacksongeo.co.uk
Telephone: 02920 099 769



Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	20 APRIL 2023
Exploratory Hole Number	S2-BH207	Box / Face Number	
Depth (m) from	25.50 to 27.00	Engineer	KW





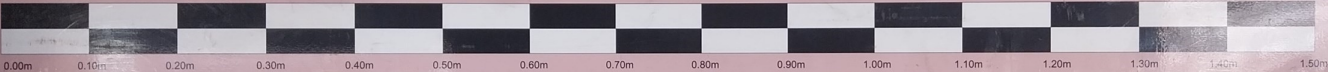
S2-BH207 25.50 m to 27.00 m

Jackson Geoservices
Unit B3, Fram Enterprise Centre
Parc Busnes Edwards, Llantrisant
Pontyclun, CF72 8QZ

Email: team@jacksongeo.co.uk
Telephone: 02920 099 769



Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	20 APRIL 2023
Exploratory Hole Number	S2-BH207	Box / Face Number	
Depth (m) from	27.00 to 28.50	Engineer	KW





S2-BH207 27.00 m to 28.50 m

		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-BH207
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	282126.00	Equipment	Insulated hand tools /Comacchio 305	Sheet 2 of 5
Client	Walters UK Ltd	Northing	211972.51	Method	IP/RO/RC	
Project No	G23012	Level	222.84 mAOD	Termination Reason	Scheduled depth	

Jackson Geoservices
Unit B3, Fram Enterprise Centre
Parc Busnes Edwards, Llantrisant
Pontyclun, CF72 8QZ

Email: team@jacksongeo.co.uk
Telephone: 02920 099 769



Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	20 APRIL 2023
Exploratory Hole Number	S2-BH207	Box / Face Number	
Depth (m) from	28.50 to 30.00	Engineer	KW

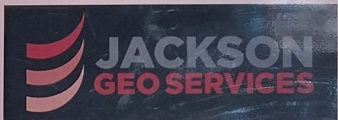




S2-BH207 28.50 m to 30.00 m

Jackson Geoservices
Unit B3, Fram Enterprise Centre
Parc Busnes Edwards, Llantrisant
Pontyclun, CF72 8QZ

Email: team@jacksongeo.co.uk
Telephone: 02920 099 769



Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	20 APRIL 2023
Exploratory Hole Number	S2-BH207	Box / Face Number	
Depth (m) from	31.50 to 33.00	Engineer	KW





S2-BH207 30.00 m to 31.50 m

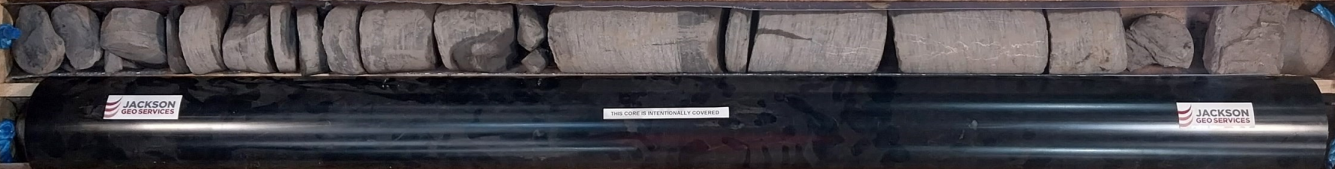
		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-BH207
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	282126.00	Equipment	Insulated hand tools /Comacchio 305	Sheet 3 of 5
Client	Walters UK Ltd	Northing	211972.51	Method	IP/RO/RC	
Project No	G23012	Level	222.84 mAOD	Termination Reason	Scheduled depth	

Jackson Geoservices
Unit B3, Fram Enterprise Centre
Parc Busnes Edwards, Llantrisant
Pontyclun, CF72 8QZ

Email: team@jacksongeo.co.uk
Telephone: 02920 099 769



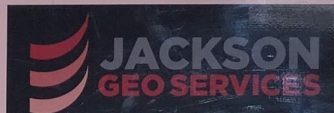
Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	20 APRIL 2023
Exploratory Hole Number	S2-BH207	Box / Face Number	
Depth (m) from	31.50 to 33.00	Engineer	KW



S2-BH207 31.50 m to 33.00 m

Jackson Geoservices
Unit B3, Fram Enterprise Centre
Parc Busnes Edwards, Llantrisant
Pontyclun, CF72 8QZ

Email: team@jacksongeo.co.uk
Telephone: 02920 099 769



Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	20 APRIL 2023
Exploratory Hole Number	S2-BH207	Box / Face Number	
Depth (m) from	33.00 to 34.50	Engineer	KW

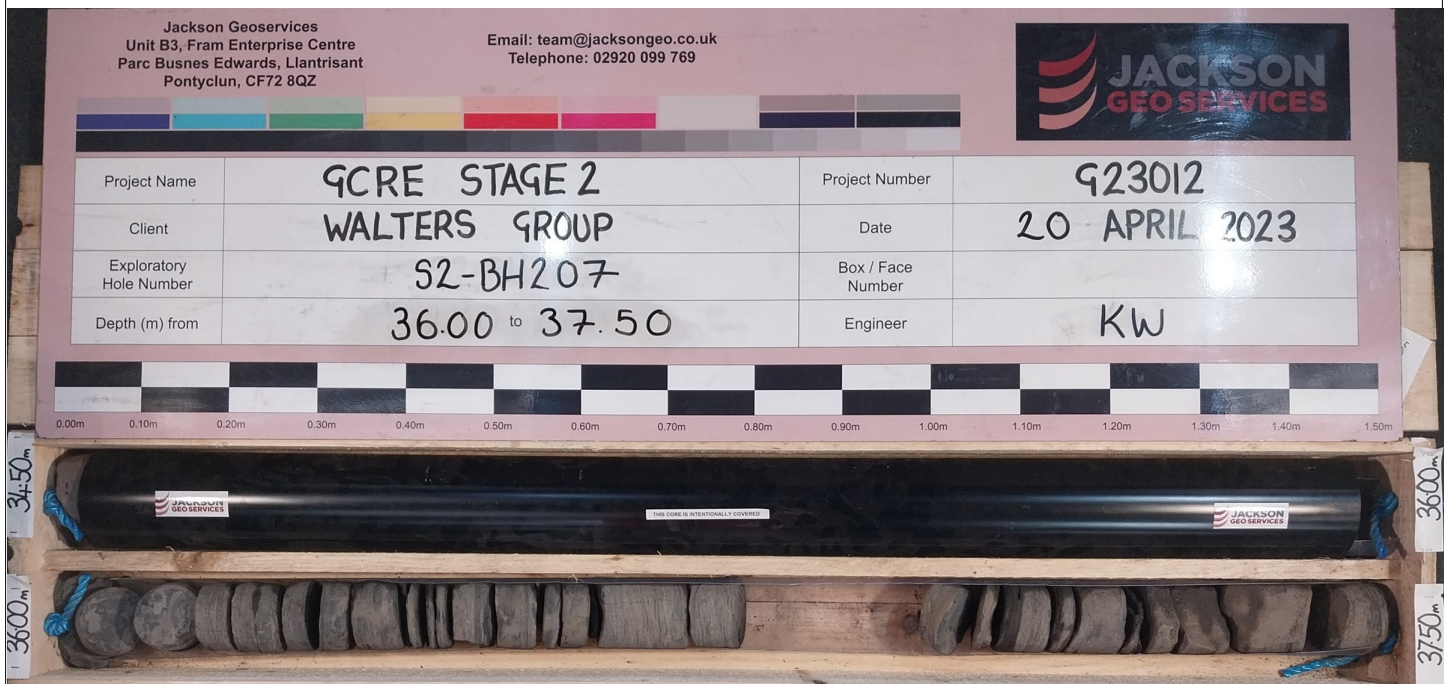


S2-BH207 33.00 m to 34.50 m

		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-BH207
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	282126.00	Equipment	Insulated hand tools /Comacchio 305	Sheet 4 of 5
Client	Walters UK Ltd	Northing	211972.51	Method	IP/RO/RC	
Project No	G23012	Level	222.84 mAOD	Termination Reason	Scheduled depth	



S2-BH207 34.50 m to 36.00 m



S2-BH207 36.00 m to 37.50 m

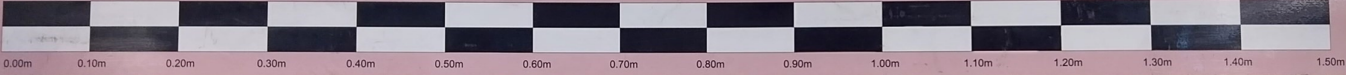
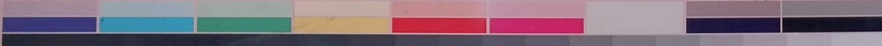
		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-BH207
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	282126.00	Equipment	Insulated hand tools /Comacchio 305	Sheet 5 of 5
Client	Walters UK Ltd	Northing	211972.51	Method	IP/RO/RC	
Project No	G23012	Level	222.84 mAOD	Termination Reason	Scheduled depth	

Jackson Geoservices
Unit B3, Fram Enterprise Centre
Parc Busnes Edwards, Llantrisant
Pontyclun, CF72 8QZ

Email: technical@jacksongeo.co.uk
Telephone: 02920 099 769



Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	20 APRIL 2023
Exploratory Hole Number	S2-BH207	Box / Face Number	
Depth (m) from	37.50 to 39.00	Engineer	KW





S2-BH207 37.50 m to 39.00 m

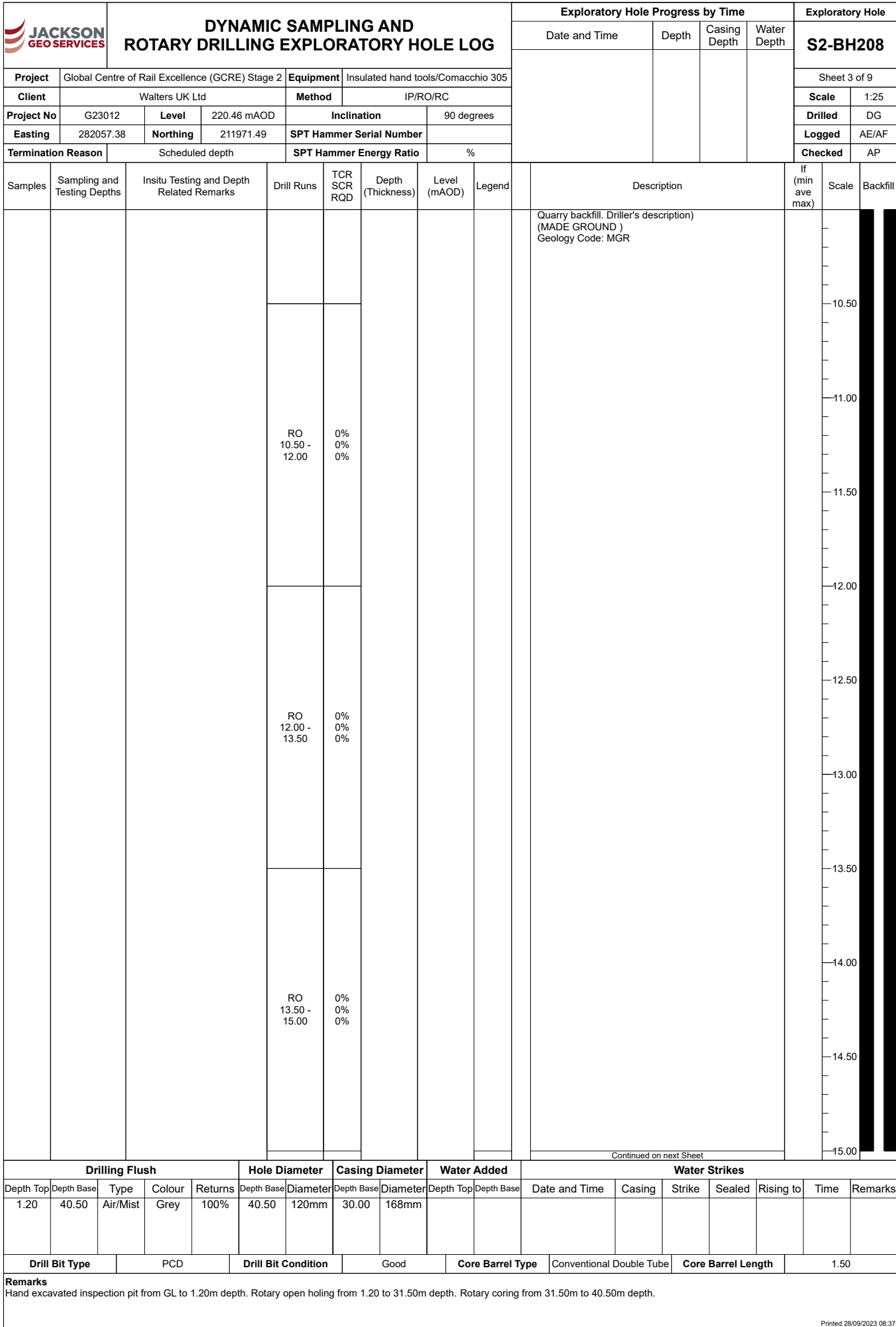


Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time	Depth	Casing Depth	Water Depth	S2-BH208	
09/05/2023 08:00	0.00				
09/05/2023 16:30	30.00	30.00	Dry	Sheet 1 of 9	
10/05/2023 08:00	30.00	30.00	Dry	Scale	1:25
10/05/2023 17:35	40.50	30.00	Dry	Drilled	DG
11/05/2023 08:00	40.50	30.00	Dry	Logged	AE/AF
11/05/2023 10:55	40.50	30.00	Dry	Checked	AP

Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
1.20	40.50	Air/Mist	Grey	100%	40.50	120mm	30.00	168mm										
Drill Bit Type		PCD			Drill Bit Condition		Good		Core Barrel Type		Conventional Double Tube		Core Barrel Length			1.50		

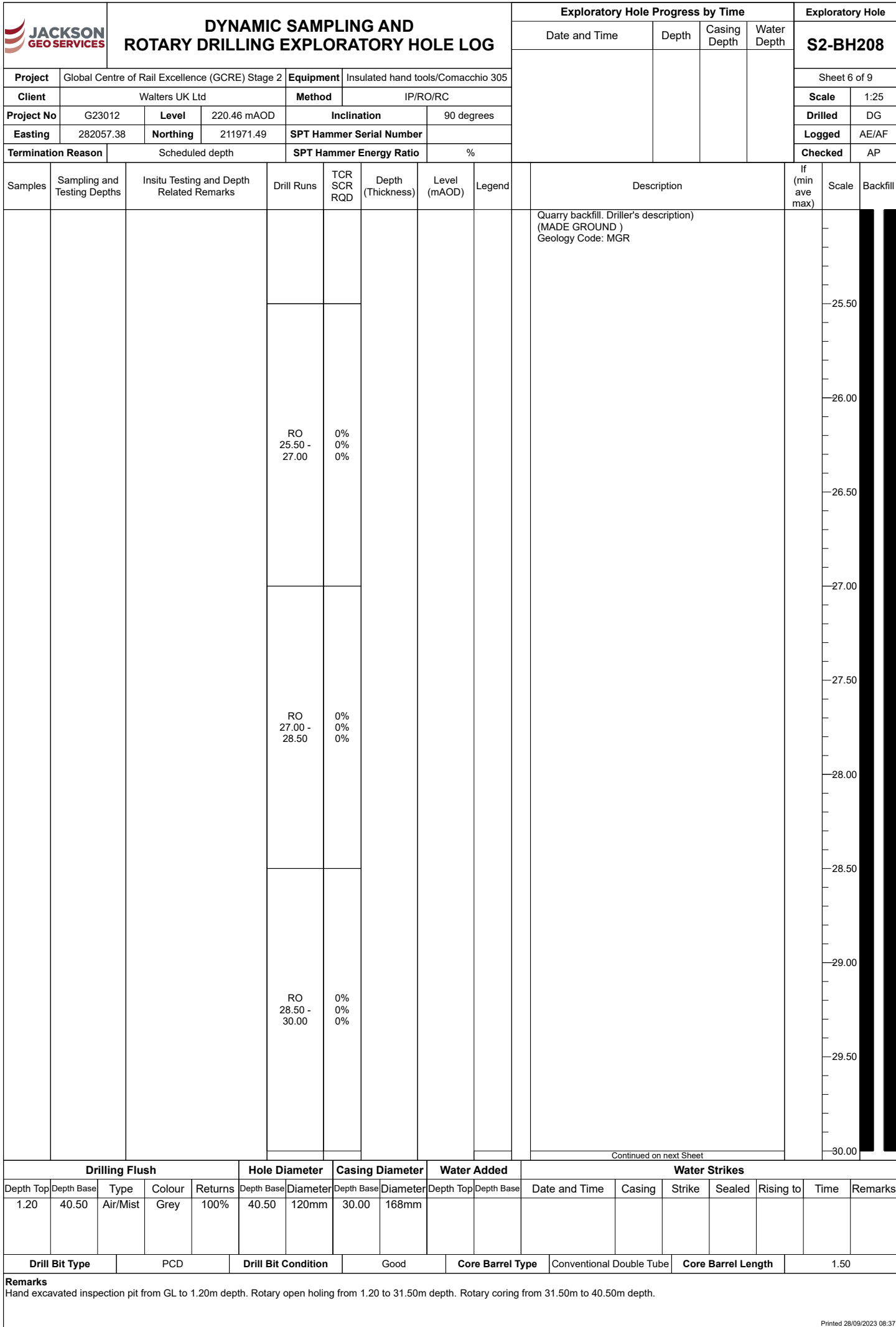
Printed 28/09/2023 08:37

JACKSON GEO SERVICES		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG										Exploratory Hole Progress by Time				Exploratory Hole		
												Date and Time		Depth	Casing Depth	Water Depth	S2-BH208	
Project	Global Centre of Rail Excellence (GCRE) Stage 2				Equipment	Insulated hand tools/Comacchio 305				Sheet 2 of 9								
Client	Walters UK Ltd				Method	IP/RO/RC				Scale	1:25							
Project No	G23012		Level	220.46 mAOD		Inclination		90 degrees		Drilled	DG							
Easting	282057.38		Northing	211971.49		SPT Hammer Serial Number				Logged	AE/AF							
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%		Checked	AP							
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks			Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill					
					RO 4.50 - 6.00	0% 0% 0%				Quarry backfill. Driller's description) (MADE GROUND) Geology Code: MGR								
					RO 6.00 - 7.50	0% 0% 0%												
					RO 7.50 - 9.00	0% 0% 0%												
					RO 9.00 - 10.50	0% 0% 0%												
										Continued on next Sheet								
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes							
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks	
1.20	40.50	Air/Mist	Grey	100%	40.50	120mm	30.00	168mm										
Drill Bit Type		PCD		Drill Bit Condition		Good		Core Barrel Type		Conventional Double Tube		Core Barrel Length		1.50				
Remarks																		
Hand excavated inspection pit from GL to 1.20m depth. Rotary open holing from 1.20 to 31.50m depth. Rotary coring from 31.50m to 40.50m depth.																		
Printed 28/09/2023 08:37																		



		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH208				
Project	Global Centre of Rail Excellence (GCRE) Stage 2				Equipment	Insulated hand tools/Comacchio 305				Sheet 4 of 9							
Client	Walters UK Ltd				Method	IP/RO/RC				Scale	1:25						
Project No	G23012		Level	220.46 mAOD		Inclination		90 degrees		Drilled	DG						
Easting	282057.38		Northing	211971.49		SPT Hammer Serial Number				Logged	AE/AF						
Termination Reason		Scheduled depth			SPT Hammer Energy Ratio		%		Checked	AP							
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill					
				RO 15.00 - 16.50	0% 0% 0%	(30.30)			Quarry backfill. Driller's description) (MADE GROUND) Geology Code: MGR								
				RO 16.50 - 18.00	0% 0% 0%												
				RO 18.00 - 19.50	0% 0% 0%												
Continued on next Sheet																	
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
1.20	40.50	Air/Mist	Grey	100%	40.50	120mm	30.00	168mm									
Drill Bit Type		PCD		Drill Bit Condition		Good		Core Barrel Type		Conventional Double Tube		Core Barrel Length		1.50			
Remarks Hand excavated inspection pit from GL to 1.20m depth. Rotary open holing from 1.20 to 31.50m depth. Rotary coring from 31.50m to 40.50m depth.																	
Printed 28/09/2023 08:37																	

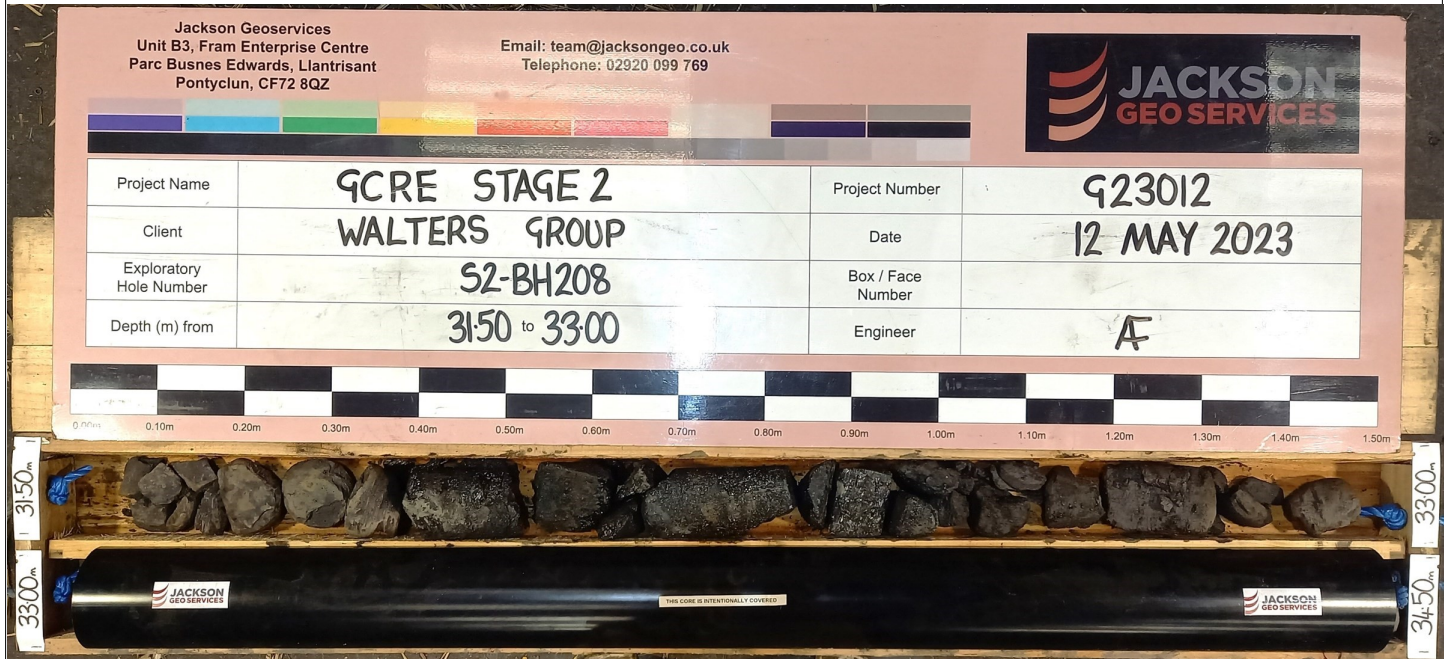
		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	S2-BH208				
Project		Global Centre of Rail Excellence (GCRE) Stage 2				Equipment		Insulated hand tools/Comacchio 305				Sheet 5 of 9					
Client		Walters UK Ltd				Method		IP/RO/RC				Scale 1:25					
Project No		G23012		Level		220.46 mAOD		Inclination		90 degrees		Drilled DG					
Easting		282057.38		Northing		211971.49		SPT Hammer Serial Number				Logged AE/AF					
Termination Reason		Scheduled depth				SPT Hammer Energy Ratio		%				Checked AP					
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks				Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description		If (min ave max)	Scale	Backfill		
						RO 19.50 - 21.00	0% 0% 0%				Quarry backfill. Driller's description) (MADE GROUND) Geology Code: MGR						
						RO 21.00 - 22.50	0% 0% 0%										
						RO 22.50 - 24.00	0% 0% 0%										
						RO 24.00 - 25.50	0% 0% 0%										
Continued on next Sheet																	
Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
1.20	40.50	Air/Mist	Grey	100%	40.50	120mm	30.00	168mm									
Drill Bit Type		PCD		Drill Bit Condition		Good		Core Barrel Type		Conventional Double Tube		Core Barrel Length		1.50			
Remarks Hand excavated inspection pit from GL to 1.20m depth. Rotary open holing from 1.20 to 31.50m depth. Rotary coring from 31.50m to 40.50m depth.																	
Printed 28/09/2023 08:37																	



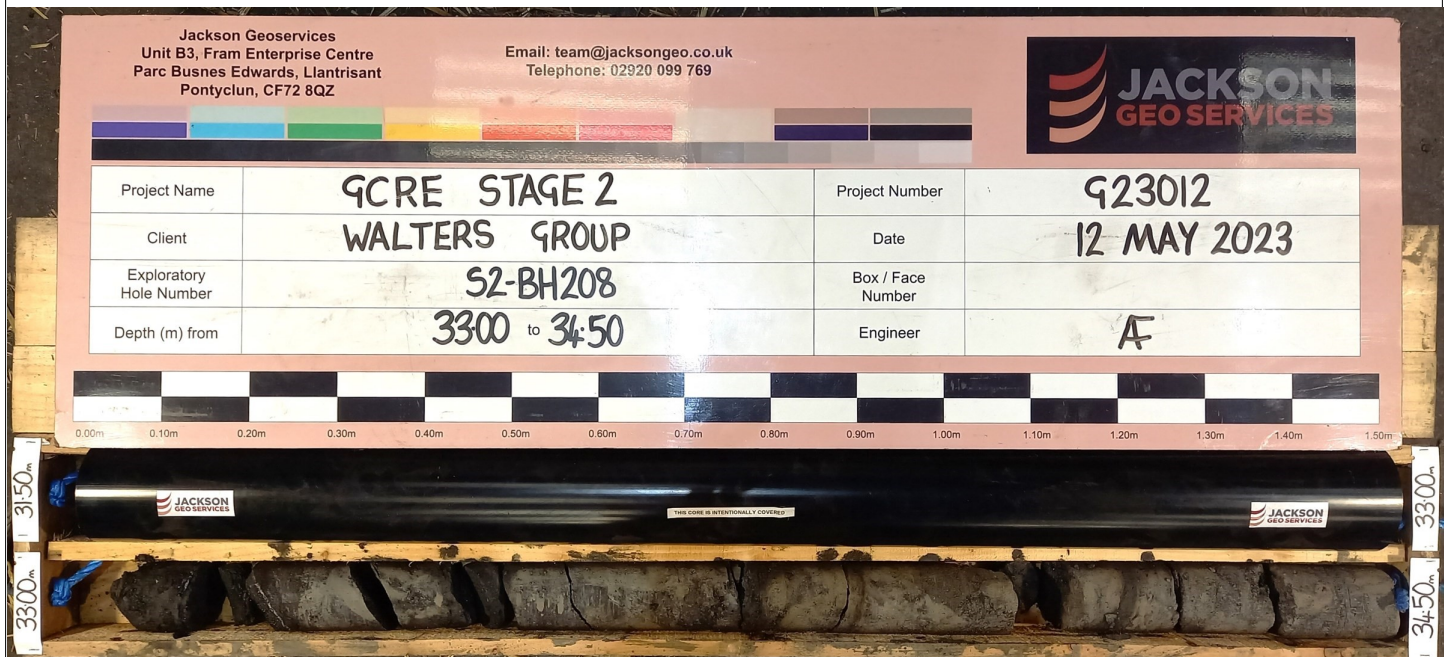
Printed 28/09/2023 08:37

Printed 28/09/2023 08:37

		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-BH208
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	282057.38	Equipment	Insulated hand tools/Cornacchio 305	Sheet 1 of 3
Client	Walters UK Ltd	Northing	211971.49	Method	IP/RO/RC	
Project No	G23012	Level	220.46 mAOD	Termination Reason	Scheduled depth	



S2-BH208 31.50 m to 33.00 m



S2-BH208 33.00 m to 34.50 m