

		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-TP2105
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284602.94	Equipment	JCB 220X 1c	Sheet 3 of 4
Client	Walters UK Ltd	Northing	210453.76	Method	TP	
Project No	G23012	Level	238.43 mAOD	Termination Reason	Water ingress	



S2-TP2105 Post



S2-TP2105 Face B

EXPLORATORY HOLE PHOTOGRAPHS

Exploratory Hole

S2-TP2105

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284602.94	Equipment	JCB 220X 1c	Sheet 4 of 4
Client	Walters UK Ltd	Northing	210453.76	Method	TP	
Project No	G23012	Level	238.43 mAOD	Termination Reason	Water ingress	



S2-TP2105 Pre Excavation

		TRIAL PIT EXPLORATORY HOLE LOG					Exploratory Hole Progress by Time			Exploratory Hole				
							Date and Time		Depth	Water Depth	S2-TP2106			
Project		Global Centre of Rail Excellence (GCRE) Stage 2		Equipment		JCB 220X Ic		13/04/2023 12:15 13/04/2023 12:50		0.00 4.00	Dry	Sheet 1 of 1		
Client		Walters UK Ltd		Method		TP						Scale	1:20	
Project No		G23012		Level		237.99 mAOD		Orientation		55 degrees		Logged		AE
Easting		284582.21		Northing		210446.36		Length		3.60		Checked		AP
Termination Reason		Scheduled depth		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 sandy angular fine to coarse GRAVEL siltstone and sandstone with low cobble content. Cobbles are angular of moderately weak to medium strong siltstone and weak mudstone(120×65x40mm). Sand is fine to coarse. Rare fragments of brick (up to 100mm). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR							
2 B	0.30 - 0.50			(0.80)										
3 ES	0.50 - 0.60											0.50		
4 ES	0.90 - 1.00			0.80	237.19		Greyish brown and brown sandy clayey angular and subangular fine to coarse GRAVEL with occasional fragments of black organic matter (up to 10mm.) Sand is fine to coarse. (Possible GLACIAL TILL) Geology Code: GT 2nd Geology Code: GR							
5 B	1.00 - 1.20			(0.70)			1.30m - 1.50m Large pocket of black and grey plastic amorphous PEAT.					1.00		
6 D	1.50 - 1.60			1.50	236.49		Very soft and soft greyish yellow and grey slightly sandy slightly gravelly silty CLAY with rare pockets of pinkish brown fine sand (up to 120mm) and low cobble content. Gravel is subangular to rounded fine to coarse of sandstone and limestone. Cobbles are subrounded and rounded of moderately weak sandstone and medium strong limestone. Sand is fine. (GLACIAL TILL) Geology Code: GT 2nd Geology Code: CL					1.50		
7 ES	1.90 - 2.00													
8 D	2.00 - 2.10 2.00 2.00 2.00	HV: P: 15kPa R: 9kPa HV: P: 24kPa R: 12kPa HV: P: 29kPa R: 9kPa		(1.00)								2.00		
9 D	2.50 - 2.60			2.50	235.49		Soft locally firm yellowish brown and grey mottled brown slightly sandy gravelly locally very gravelly silty CLAY with low cobble and boulder content. Gravel is angular to rounded fine to coarse of sandstone, mudstone and limestone. Cobbles and boulders are subrounded and rounded of moderately weak sandstone and medium strong limestone. Sand is fine. Occasional pockets of yellowish brown angular fine to coarse gravel of mudstone (up to 100mm). Rare lenses of black organic matter (up to 300mm) (GLACIAL TILL) Geology Code: GT 2nd Geology Code: CL					2.50		
10 D	3.00 - 3.10 3.00 3.00 3.00	HV: P: 39kPa R: 22kPa HV: P: 41kPa R: 17kPa HV: P: 46kPa R: 26kPa		(1.00)								3.00		
11 D	3.50 - 3.60 3.50 - 4.00	Unable to conduct hand vane tests due to high granular component of material		3.50	234.49		Stiff brownish grey slightly sandy very gravelly silty CLAY with low cobble and boulder content. Gravel is angular to subrounded fine to coarse of siltstone, mudstone, sandstone and limestone. Cobbles and boulders are subangular of medium strong limestone. Sand is fine. rare fragments of black organic matter (up to 10mm). (GLACIAL TILL) Geology Code: GT 2nd Geology Code: CL					3.50		
				(0.50)										
					233.99		End of Exploratory Hole at 4.00m					4.00		
Weather		Dry					Water Strikes							
Shoring		None					Date and Time		Strike	Rising to	Time	Remarks		
Stability		Fissures opening behind Face A and C												
Log presents Face A unless otherwise noted.														
Remarks														
Machine excavated trial pit from GL to 4.00m														

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Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284582.21	Equipment	JCB 220X lc	Sheet 1 of 4
Client	Walters UK Ltd	Northing	210446.36	Method	TP	
Project No	G23012	Level	237.99 mAOD	Termination Reason	Scheduled depth	



S2-TP2106 Spoil



S2-TP2106 Face A

		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-TP2106
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284582.21	Equipment	JCB 220X 1c	Sheet 2 of 4
Client	Walters UK Ltd	Northing	210446.36	Method	TP	
Project No	G23012	Level	237.99 mAOD	Termination Reason	Scheduled depth	



S2-TP2106 Face D



S2-TP2106 Post Excavation

		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-TP2106
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284582.21	Equipment	JCB 220X 1c	Sheet 3 of 4
Client	Walters UK Ltd	Northing	210446.36	Method	TP	
Project No	G23012	Level	237.99 mAOD	Termination Reason	Scheduled depth	



S2-TP2106 Face C



S2-TP2106 Face B



EXPLORATORY HOLE PHOTOGRAPHS

Exploratory Hole

S2-TP2106

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284582.21	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210446.36	Method	TP
Project No	G23012	Level	237.99 mAOD	Termination Reason	Scheduled depth

Sheet 4 of 4



S2-TP2106 Pre Excavation

		TRIAL PIT EXPLORATORY HOLE LOG				Exploratory Hole Progress by Time			Exploratory Hole						
						Date and Time		Depth	Water Depth	S2-TP2107					
Project		Global Centre of Rail Excellence (GCRE) Stage 2		Equipment		JCB 220X Ic		15/05/2023 11:05		0.00	1.05	Sheet 1 of 1			
Client		Walters UK Ltd		Method		TP		15/05/2023 11:30		1.10		Scale	1:20		
Project No		G23012	Level		238.53 mAOD	Orientation		270 degrees				Logged		AE	
Easting		284596.27	Northing		210449.32	Length		4.00				Checked		AP	
Termination Reason		Plate (possible duct cover)			Width		0.60								
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Depth (Thickness)	Level (mAOD)	Legend	Description					Scale	Backfill		
1 B	0.10 - 0.40	PID: 0.0ppmv		0.00 (0.20)	238.33		Strong light grey CONCRETE. (MADE GROUND) Geology Code: MGR 2nd Geology Code: Conc					0.50			
2 ES	0.20 - 0.30 0.20			(0.40)			Strong light grey CONCRETE. (Uneven boundary with made ground below between 0.2-0.6m). (MADE GROUND) Geology Code: MGR 2nd Geology Code: Conc								
3 ES	0.60 - 0.70 0.60	PID: 0.1ppmv		0.60	237.93		Dark grey slightly clayey sandy subangular to subrounded fine to coarse GRAVEL of siltstone and mudstone with frequent brick fragments (up to 140mm). Sand is fine to coarse. (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR					1.00			
4 B	0.70 - 0.90			(0.50)			0.90m - 1.10m Plate (possible duct cover) over strong power signal striking 180° striking towards and in line with the garage maintenance pit.								
5 ES	0.90 - 1.00 0.90	PID: 0.0ppmv			237.43		End of Exploratory Hole at 1.10m								
														1.50	
														2.00	
														2.50	
														3.00	
														3.50	
														4.00	
Weather		Sunny						Water Strikes							
Shoring		None						Date and Time		Strike	Rising to	Time	Remarks		
Stability		Stable						15/05/2023 11:20		0.90	1.05	20mins			
Remarks															
Machine excavated trial pit from GL to 1.10m.															

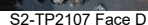
		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-TP2107
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284596.27	Equipment	JCB 220X 1c	Sheet 1 of 4
Client	Walters UK Ltd	Northing	210449.32	Method	TP	
Project No	G23012	Level	238.53 mAOD	Termination Reason	Plate (possible duct cover)	



S2-TP2107 Face A



S2-TP2107 Face B

Sheet 2 of 4

		EXPLORATORY HOLE PHOTOGRAPHS		Exploratory Hole	
				S2-TP2107	
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284596.27	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210449.32	Method	TP
Project No	G23012	Level	238.53 mAOD	Termination Reason	Plate (possible duct cover)

Sheet 3 of 4



S2-TP2107 Pre Excavation



S2-TP2107 Face C



EXPLORATORY HOLE PHOTOGRAPHS

Exploratory Hole

S2-TP2107

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284596.27	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210449.32	Method	TP
Project No	G23012	Level	238.53 mAOD	Termination Reason	Plate (possible duct cover)

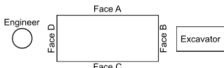
Sheet 4 of 4



S2-TP2107 Spoil

				TRIAL PIT EXPLORATORY HOLE LOG				Exploratory Hole Progress by Time				Exploratory Hole																																																																																																																																																																													
				Date and Time		Depth		Water Depth		S2-TP2108																																																																																																																																																																															
				11/05/2023 11:15		0.00		3.95		Sheet 1 of 2																																																																																																																																																																															
				11/05/2023 12:00						Scale 1:20																																																																																																																																																																															
Project		Global Centre of Rail Excellence (GCRE) Stage 2		Equipment		JCB 220X Ic				Logged AE																																																																																																																																																																															
Client		Walters UK Ltd		Method		TP				Checked AP																																																																																																																																																																															
Project No		G23012		Level		237.54 mAOD		Orientation		60 degrees																																																																																																																																																																															
Easting		284791.97		Northing		210448.27		Length		5.00																																																																																																																																																																															
Termination Reason		Scheduled depth.		Width		1.20																																																																																																																																																																																			
<table><tr><td>Samples</td><td>Sampling and Testing Depths</td><td>Insitu Testing and Depth Related Remarks</td><td>Depth (Thickness)</td><td>Level (mAOD)</td><td>Legend</td><td>Description</td><td>Scale</td><td>Backfill</td></tr><tr><td>1 B</td><td>0.10 - 0.20</td><td></td><td>0.00 (0.20)</td><td></td><td></td><td>Strong light grey CONCRETE. (MADE GROUND) Geology Code: MGR 2nd Geology Code: Conc</td><td></td><td></td></tr><tr><td>2 ES</td><td>0.20 - 0.30</td><td>PID: 0.0ppmv</td><td>0.20 (0.10)</td><td>237.34</td><td></td><td></td><td></td><td></td></tr><tr><td>3 B</td><td>0.20 - 0.30 0.20</td><td></td><td>0.30 (0.30)</td><td>237.24</td><td></td><td>Dark grey sandy subangular to rounded medium to coarse GRAVEL of siltstone. Sand is fine to coarse. (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR</td><td></td><td></td></tr><tr><td>4 ES</td><td>0.50 - 0.60 0.50</td><td>PID: 0.1ppmv</td><td></td><td></td><td></td><td>Dark grey with occasional orangish brown staining SAND and GRAVEL with low cobble content and low boulder content. Gravel is angular to subangular fine to coarse of mudstone occasional siltstone and occasional coal. Cobbles are subangular of medium strong siltstone and moderately weak coal (150×130×80mm). Boulders are subangular of medium strong to strong siltstone and moderately weak to medium strong coal (260×190×170mm). Sand is fine to coarse. (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR</td><td>0.50</td><td></td></tr><tr><td>5 B</td><td>0.80 - 1.00</td><td></td><td></td><td></td><td></td><td>0.30m - 0.30m Polythene membrane. 0.30m - 0.50m Blue plastic 200mm diameter pipe (blocked with sediment) striking 085°.</td><td></td><td></td></tr><tr><td>6 ES</td><td>0.90 - 1.00 0.90</td><td>PID: 0.0ppmv</td><td></td><td></td><td></td><td></td><td>1.00</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1.50</td><td></td></tr><tr><td>7 B</td><td>1.80 - 2.00</td><td></td><td>(2.80)</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>8 ES</td><td>1.90 - 2.00 1.90</td><td>PID: 0.0ppmv</td><td></td><td></td><td></td><td></td><td>2.00</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>2.50</td><td></td></tr><tr><td>9 B</td><td>2.80 - 3.00</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>10 ES</td><td>2.90 - 3.00 2.90</td><td>PID: 0.1ppmv</td><td></td><td></td><td></td><td></td><td>3.00</td><td></td></tr><tr><td></td><td></td><td></td><td>3.10</td><td>234.44</td><td></td><td></td><td></td><td></td></tr><tr><td>11 D</td><td>3.40 - 3.50</td><td></td><td></td><td></td><td></td><td>Soft to firm grey mottled yellowish brown slightly sandy silty CLAY with low cobble content and occasional elongated pockets of pinkish red fine sand (up to 90mm). Cobbles are rounded of medium strong to strong sandstone (160×130×50mm). Sand is fine. (GLACIAL TILL) Geology Code: GT 2nd Geology Code: CL</td><td></td><td></td></tr><tr><td>12 ES</td><td>3.50 3.50 3.60 - 3.70 3.60</td><td>HV: P: 28kPa R: 16kPa HV: P: 37kPa R: 18kPa HV: P: 57kPa R: 29kPa PID: 0.1ppmv</td><td>(0.90)</td><td></td><td></td><td></td><td>3.50</td><td></td></tr><tr><td>13 D</td><td>3.90 - 4.00</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>233.54</td><td></td><td></td><td>4.00</td><td></td></tr><tr><td colspan="12"> Continued on next Sheet </td></tr></table>												Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks	Depth (Thickness)	Level (mAOD)	Legend	Description	Scale	Backfill	1 B	0.10 - 0.20		0.00 (0.20)			Strong light grey CONCRETE. (MADE GROUND) Geology Code: MGR 2nd Geology Code: Conc			2 ES	0.20 - 0.30	PID: 0.0ppmv	0.20 (0.10)	237.34					3 B	0.20 - 0.30 0.20		0.30 (0.30)	237.24		Dark grey sandy subangular to rounded medium to coarse GRAVEL of siltstone. Sand is fine to coarse. (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR			4 ES	0.50 - 0.60 0.50	PID: 0.1ppmv				Dark grey with occasional orangish brown staining SAND and GRAVEL with low cobble content and low boulder content. Gravel is angular to subangular fine to coarse of mudstone occasional siltstone and occasional coal. Cobbles are subangular of medium strong siltstone and moderately weak coal (150×130×80mm). Boulders are subangular of medium strong to strong siltstone and moderately weak to medium strong coal (260×190×170mm). Sand is fine to coarse. (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR	0.50		5 B	0.80 - 1.00					0.30m - 0.30m Polythene membrane. 0.30m - 0.50m Blue plastic 200mm diameter pipe (blocked with sediment) striking 085°.			6 ES	0.90 - 1.00 0.90	PID: 0.0ppmv					1.00									1.50		7 B	1.80 - 2.00		(2.80)						8 ES	1.90 - 2.00 1.90	PID: 0.0ppmv					2.00									2.50		9 B	2.80 - 3.00								10 ES	2.90 - 3.00 2.90	PID: 0.1ppmv					3.00					3.10	234.44					11 D	3.40 - 3.50					Soft to firm grey mottled yellowish brown slightly sandy silty CLAY with low cobble content and occasional elongated pockets of pinkish red fine sand (up to 90mm). Cobbles are rounded of medium strong to strong sandstone (160×130×50mm). Sand is fine. (GLACIAL TILL) Geology Code: GT 2nd Geology Code: CL			12 ES	3.50 3.50 3.60 - 3.70 3.60	HV: P: 28kPa R: 16kPa HV: P: 37kPa R: 18kPa HV: P: 57kPa R: 29kPa PID: 0.1ppmv	(0.90)				3.50		13 D	3.90 - 4.00												233.54			4.00		Continued on next Sheet											
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13 D	3.90 - 4.00																																																																																																																																																																																								
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Continued on next Sheet																																																																																																																																																																																									
Weather		Sunny		Trial Pit Excavation Onsite Layout				Water Strikes																																																																																																																																																																																	
Shoring		None		Engineer Face D Face A Face B Face C Excavator				<table><tr><td>Date and Time</td><td>Strike</td><td>Rising to</td><td>Time</td><td>Remarks</td></tr><tr><td>11/05/2023 11:40</td><td>3.10</td><td>3.10</td><td>20mins</td><td>Seepage</td></tr><tr><td>11/05/2023 11:50</td><td>4.00</td><td>3.95</td><td>20mins</td><td>Seepage</td></tr></table>				Date and Time	Strike	Rising to	Time	Remarks	11/05/2023 11:40	3.10	3.10	20mins	Seepage	11/05/2023 11:50	4.00	3.95	20mins	Seepage																																																																																																																																																															
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Remarks Machine excavated trial pit from GL to 4.0m.																																																																																																																																																																																									

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		TRIAL PIT EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole			
								Date and Time		Depth	Water Depth	S2-TP2108			
								11/05/2023 11:15 11/05/2023 12:00		0.00 4.00	3.95				
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	JCB 220X Ic			Sheet 2 of 2		Scale 1:20		Logged AE		Checked AP	
Client	Walters UK Ltd			Method	TP										
Project No	G23012	Level	237.54 mAOD	Orientation		60 degrees									
Easting	284791.97	Northing	210448.27	Length		5.00									
Termination Reason		Scheduled depth.		Width		1.20									
Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks		Depth (Thickness)	Level (mAOD)	Legend	Description					Scale	Backfill		
							End of Exploratory Hole at 4.00m								
													4.50		
													5.00		
													5.50		
													6.00		
													6.50		
													7.00		
													7.50		
													8.00		
Weather	Sunny	Trial Pit Excavation Onsite Layout 						Water Strikes							
Shoring	None							Date and Time		Strike	Rising to	Time	Remarks		
Stability	Collapse Faces A and C GL-3.10m.							11/05/2023 11:40 11/05/2023 11:50		3.10 4.00	3.10 3.95	20mins 20mins	Seepage Seepage		
Remarks															
Machine excavated trial pit from GL to 4.0m.															

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284791.97	Equipment	JCB 220X 1c	Sheet 1 of 4
Client	Walters UK Ltd	Northing	210448.27	Method	TP	
Project No	G23012	Level	237.54 mAOD	Termination Reason	Scheduled depth.	



S2-TP2108 Spoil



S2-TP2108 Post Excavation

EXPLORATORY HOLE PHOTOGRAPHS

Exploratory Hole

S2-TP2108

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284791.97	Equipment	JCB 220X 1c	Sheet 2 of 4
Client	Walters UK Ltd	Northing	210448.27	Method	TP	
Project No	G23012	Level	237.54 mAOD	Termination Reason	Scheduled depth.	

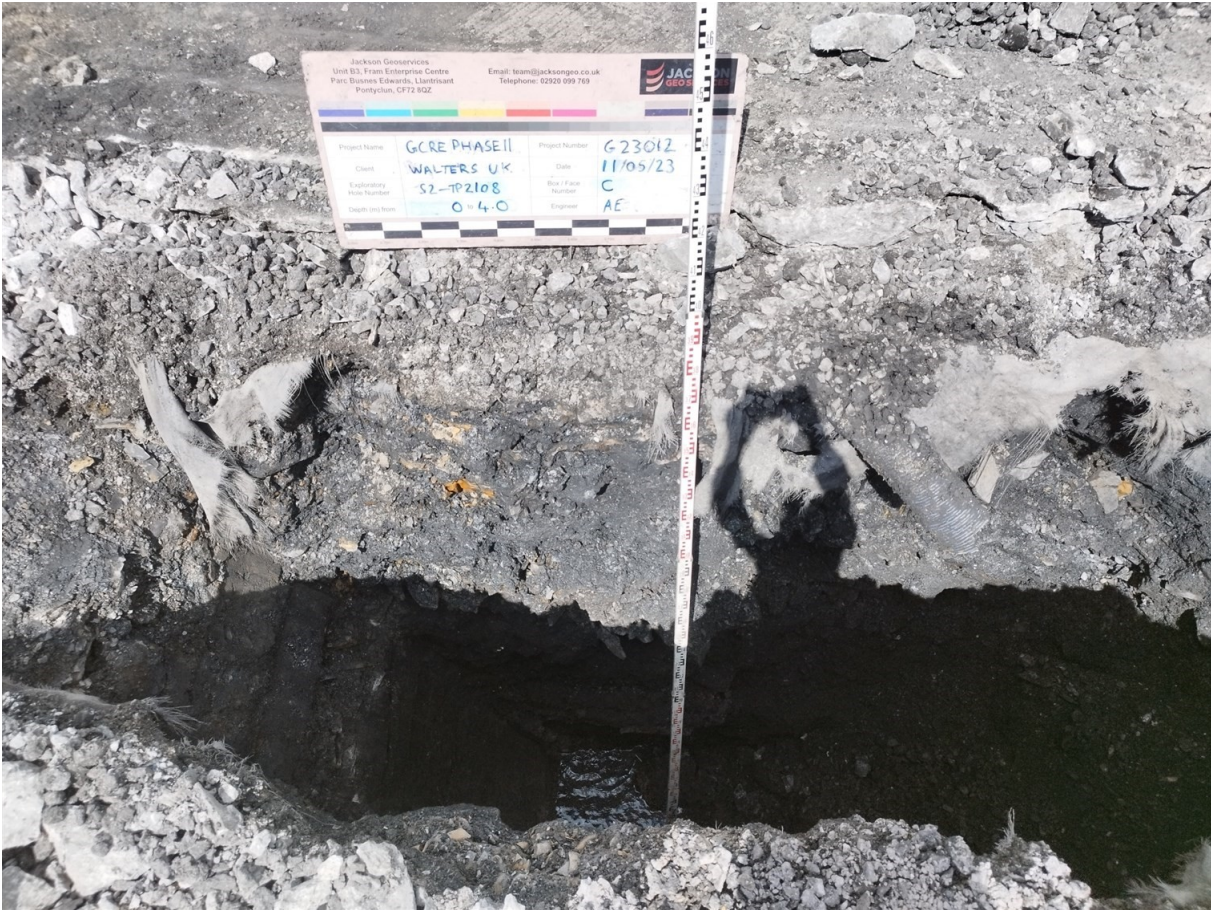


S2-TP2108 Face B



S2-TP2108 Pre Excavation

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284791.97	Equipment	JCB 220X 1c	Sheet 3 of 4
Client	Walters UK Ltd	Northing	210448.27	Method	TP	
Project No	G23012	Level	237.54 mAOD	Termination Reason	Scheduled depth.	



S2-TP2108 Face C



S2-TP2108 Face D

EXPLORATORY HOLE PHOTOGRAPHS

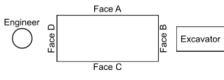
Exploratory Hole
S2-TP2108

Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284791.97	Equipment	JCB 220X 1c
Client	Walters UK Ltd	Northing	210448.27	Method	TP
Project No	G23012	Level	237.54 mAOD	Termination Reason	Scheduled depth.

Sheet 4 of 4



S2-TP2108 Face A

				TRIAL PIT EXPLORATORY HOLE LOG				Exploratory Hole Progress by Time			Exploratory Hole	
Date and Time		Depth	Water Depth					S2-TP2109				
13/04/2023 09:20 13/04/2023 10:10		0.00 3.50	Wet									
Sheet 1 of 1												
Project	Global Centre of Rail Excellence (GCRE) Stage 2			Equipment	JCB 220X Ic							
Client	Walters UK Ltd			Method	TP					Scale	1:20	
Project No	G23012	Level	238.06 mAOD	Orientation		5 degrees				Logged	AE	
Easting	284590.72	Northing	210446.99	Length		3.80				Checked	AP	
Termination Reason		Terminated due to 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			Dark grey sandy angular fine to coarse GRAVEL siltstone and sandstone with low cobble content. Cobbles are angular of moderately weak to medium strong siltstone and weak mudstone(120x65x40mm). Sand is fine to coarse. frequent to occasional fragments of brick (up to 200mm). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR			0.50		
2 B	0.40 - 0.60			(0.60)								
3 ES	0.50 - 0.60			0.60	237.46		Soft grey and light yellowish grey sandy very gravelly silty CLAY. Gravel is angular fine and medium of mudstone and siltstone. Sand is medium. Occasional fragments of decaying organic matter (up to 10mm). Slight organic odour. (Possible GLACIAL TILL) Geology Code: GT 2nd Geology Code: CL			1.00		
4 ES	0.90 - 1.00			(0.80)								
5 D	1.00 - 1.10 1.00 1.00 1.00	HV: P: 24kPa R: 16kPa HV: P: 39kPa R: 21kPa HV: P: 45kPa R: 23kPa		1.40	236.66		Very soft and soft greyish yellow and grey slightly sandy slightly gravelly silty CLAY with occasional pockets of pinkish brown fine sand (up to 120mm) and low cobble content. Gravel is subangular to rounded fine to coarse of sandstone and limestone. Cobbles are subrounded and rounded of moderately weak sandstone and medium strong limestone. Sand is fine. (GLACIAL TILL) Geology Code: GT 2nd Geology Code: CL			1.50		
6 D	1.60 - 1.70			(1.10)								
7 ES	1.90 - 2.00 2.00 2.00 2.00	HV: P: 10kPa R: 8kPa HV: P: 15kPa R: 8kPa HV: P: 19kPa R: 11kPa		2.50	235.56		Soft locally firm yellowish brown and grey slightly sandy gravelly locally very gravelly silty CLAY with occasional pockets of yellowish brown fine to coarse sand (up to 100mm) and low cobble content. Gravel is angular to rounded fine to coarse of sandstone, mudstone and limestone. Cobbles are subrounded and rounded of moderately weak sandstone and medium strong limestone. Sand is fine. Rare lenses of black organic matter (up to 300mm). (GLACIAL TILL) Geology Code: GT 2nd Geology Code: CL			2.50		
8 D	2.10 - 2.20			(1.00)								
9 D	2.60 - 2.70			234.56						3.50		
10 D	3.00 3.00 3.00 3.10 - 3.20	HV: P: 32kPa R: 10kPa HV: P: 39kPa R: 25kPa HV: P: 46kPa R: 25kPa										
							End of Exploratory Hole at 3.50m			4.00		
Weather		Dry		Trial Pit Excavation Onsite Layout 			Water Strikes					
Shoring		None					Date and Time		Strike	Rising to	Time	Remarks
Stability		Collapse from GL-2.80m in Faces A and C					13/04/2023 10:00		2.20	2.20	20mins	Slight seepage
Remarks												
Machine excavated trial pit from GL to 3.50m												

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		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S2-TP2109
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	284590.72	Equipment	JCB 220X 1c	Sheet 1 of 4
Client	Walters UK Ltd	Northing	210446.99	Method	TP	
Project No	G23012	Level	238.06 mAOD	Termination Reason	Terminated due to collapse	



S2-TP2109 Post Excavation



S2-TP2109 Pre Excavation