

Percussion Drilling Log

Project Name: TATA 200T Bunker			Client: TATA Steel			Date: 29/06/2020 - 03/07/2020		
Location: TATA Steel Port Talbot			Contractor: Scotts					
Project No. : 2025			Crew Name: NL			Drilling Equipment: Dando 2000		
Borehole Number BH01		Hole Type BH		Level		Logged By RHG		Page Number Sheet 1 of 3
						Scale 1:50		

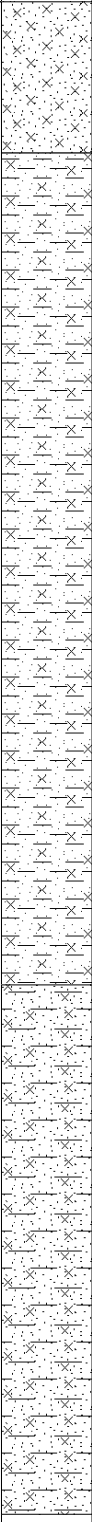
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.00 - 1.00	B					MADE GROUND. Brown grey silty sandy gravelly CLAY with brick fragments.	
		1.00 - 2.00	B		2.00				1
		3.00 - 3.45 3.00	B SPT	N=13 (3,3/4,3,3,3)	3.00			Grey brown silty sandy GRAVEL. Gravel is sub-angular to sub-rounded of sandstone.	2
		4.00 - 4.45 4.00 - 4.45 4.00	B D SPT	N=7 (1,2/2,1,2,2)				Medium dense becoming loose yellow grey brown silty SAND.	3
		5.00 - 5.45 5.00 - 5.45 5.00	B D SPT	N=7 (2,2/1,2,2,2)					4
		6.50 - 6.95 6.50 - 6.95 6.50 7.00	B D SPT B	N=8 (1,2/2,2,2,2)	7.00			Firm grey blue sandy CLAY.	7
		8.00 - 8.45 8.00 - 8.45 8.00	B D SPT	N=8 (1,1/2,2,2,2)					8
		9.50 - 9.95 9.50 - 9.95 9.50	B D SPT	N=6 (2,2/2,2,1,1)	9.00			Loose grey silty SAND.	9
									10

Hole Diameter		Casing Diameter		Chiselling			Inclination and Orientation				
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
13.00 30.00	250 200	13.00 30.00	250 200	20.40 25.50 29.50	20.60 25.80 29.80	01:00 01:00 01:00					

Remarks
Standing water at 2.00m On 30/06/20.

Percussion Drilling Log

Project Name: TATA 200T Bunker		Client: TATA Steel		Date: 29/06/2020 - 03/07/2020	
Location: TATA Steel Port Talbot		Contractor: Scotts			
Project No. : 2025		Crew Name: NL		Drilling Equipment: Dando 2000	
Borehole Number BH01	Hole Type BH	Level	Logged By RHG	Scale 1:50	Page Number Sheet 2 of 3

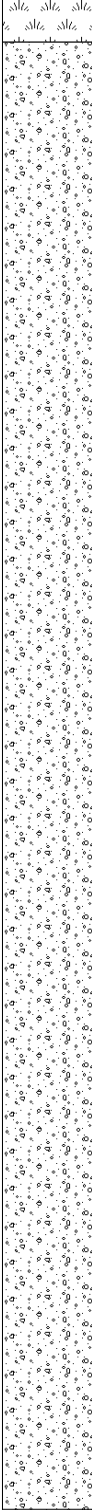
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		11.00 - 11.45 11.00 - 11.45 11.00	B D SPT	N=10 (2,3/3,2,3,2)	11.00			Loose grey silty SAND.	11
		12.50 - 12.95 12.50 - 12.95 12.50	B D SPT	N=10 (2,3/3,2,2,3)				Soft to firm grey silty sandy CLAY.	12
		14.00 - 14.45 14.00 - 14.45 14.00	B D SPT	N=8 (2,2/2,2,2,2)					13
		15.50 - 15.95 15.50 - 15.95 15.50	B D SPT	N=8 (1,1/2,2,2,2)					14
		16.50 - 16.95 16.50 - 16.95 16.50	B D SPT	N=8 (1,2/2,2,2,2)	16.50			Loose grey slightly clayey silty SAND, with black organic laminae.	15
		18.00 - 18.45 18.00 - 18.45 18.00	B D SPT	N=9 (1,1/2,2,3,2)					16
		19.50 - 19.95 19.50 - 19.95 19.50	B D SPT	N=9 (2,2/3,2,2,2)					17
		20.00	B		20.00				18
									19
									20

Hole Diameter		Casing Diameter		Chiselling			Inclination and Orientation				
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
13.00 30.00	250 200	13.00 30.00	250 200	20.40 25.50 29.50	20.60 25.80 29.80	01:00 01:00 01:00					

Remarks
Standing water at 2.00m On 30/06/20.

Percussion Drilling Log

Project Name: TATA 200T Bunker			Client: TATA Steel			Date: 29/06/2020 - 03/07/2020		
Location: TATA Steel Port Talbot			Contractor: Scotts					
Project No. : 2025			Crew Name: NL			Drilling Equipment: Dando 2000		
Borehole Number BH01		Hole Type BH		Level		Logged By RHG		Page Number Sheet 3 of 3
						Scale 1:50		

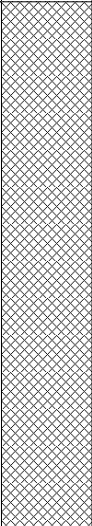
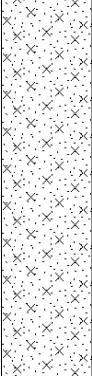
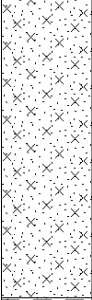
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		20.30	B	N=26 (4,6/6,7,6,7)	20.30		PEAT	Medium dense becoming very dense grey sandy fine to coarse sub-angular to sub-rounded GRAVEL of sandstone.	21
		21.00 - 21.45 21.00	B SPT						
		22.00 - 22.45	B						
		22.50	SPT				N=35 (5,8/8,8,10,9)		
		24.00 - 24.45 24.00	B SPT				N=50 (8,15/50 for 165mm)		
		25.00 - 25.45 25.00	B SPT				N=50 (28 for 30mm/50 for 50mm)		
		27.00 - 27.45 27.00	B SPT				N=50 (7,14/50 for 235mm)		
		28.50 - 28.95 28.50	B SPT				N=50 (8,12/50 for 235mm)		
		29.00	EW						
		29.50 29.50 - 29.95 29.50	EW B SPT				N=50 (50 for 9mm/50 for 16mm)		
							End of Borehole at 29.950m		

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
13.00 30.00	250 200	13.00 30.00	250 200	20.40 25.50 29.50	20.60 25.80 29.80	01:00 01:00 01:00					

Remarks
Standing water at 2.00m On 30/06/20.

Percussion Drilling Log

Project Name: TATA 200T Bunker		Client: TATA Steel		Date: 16/07/2020 - 21/07/2020	
Location: TATA Steel Port Talbot		Contractor: Scotts			
Project No. : 2025		Crew Name: NL		Drilling Equipment: Dando 2000	
Borehole Number BH03	Hole Type BH	Level	Logged By RHG	Scale 1:50	Page Number Sheet 1 of 3

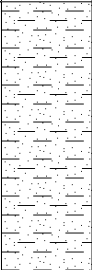
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.00 - 1.00	B		3.50			MADE GROUND. Brown grey silty sandy coarse angular gravel of slag.	1
		1.00 - 2.00	B						
		2.00 - 3.00	B						
		3.00 - 3.40 3.00	B SPT	N=16 (2,3/4,4,4,4)	6.00			Medium dense becoming very dense red silty SAND.	4
		4.00 - 4.45 4.00 - 4.45 4.00	B D SPT	N=50 (5,6/50 for 150mm)					
		5.00 - 5.45 5.00 - 5.45 5.00	B D SPT	N=51 (6,6/51 for 170mm)					
		6.50 - 6.95 6.50 - 6.95 6.50	B D SPT	N=8 (2,2/2,2,2,2)	8.00			Loose yellow silty SAND.	7
		8.00 - 8.45 8.00 - 8.45 8.00	B D SPT	N=8 (1,1/2,2,2,2)					
		9.50 - 9.95 9.50 - 9.95 9.50	B D SPT	N=11 (1,2/3,2,3,3)					
								Firm green grey sandy CLAY.	8
									9
									10

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
10.00 30.00	250 200	10.00 30.00	250 200	2.00 23.80 24.40 27.50	2.40 24.30 24.80 27.90	01:00 01:00 01:00 01:30					

Remarks
Standing water at 3.20m on 17/07/20.

Percussion Drilling Log

Project Name: TATA 200T Bunker		Client: TATA Steel		Date: 16/07/2020 - 21/07/2020	
Location: TATA Steel Port Talbot		Contractor: Scotts			
Project No. : 2025		Crew Name: NL		Drilling Equipment: Dando 2000	
Borehole Number BH03	Hole Type BH	Level	Logged By RHG	Scale 1:50	Page Number Sheet 2 of 3

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		11.00 - 11.45 11.00 - 11.45 11.00	B D SPT	N=7 (1,1/1,2,2,2)	11.80 12.00			Firm green grey sandy CLAY.	11
		11.80	B					(Stiff) dark brown grey CLAY/PEAT.	12
		12.50 - 12.95 12.50 - 12.95 12.50	B D SPT	N=9 (2,2/2,2,3,2)				Soft to firm blue grey silty sandy CLAY.	13
		14.00 - 14.45 14.00 - 14.45 14.00	B D SPT	N=8 (1,2/2,2,3,1)					14
		15.50 - 15.95 15.50 - 15.95 15.50	B D SPT	N=7 (1,1/2,2,2,1)					15
		17.00 - 17.45 17.00 - 17.45 17.00	B D SPT	N=10 (2,2/3,2,3,2)					16
		18.50 - 18.95 18.50 - 18.95 18.50	B D SPT	N=10 (2,1/3,2,2,3)					17
		20.00	EW						18
		20.00			20.00				19
									20

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
10.00	250	10.00	250	2.00	2.40	01:00					
30.00	200	30.00	200	23.80	24.30	01:00					
				24.40	24.80	01:00					
				27.50	27.90	01:30					

Remarks Standing water at 3.20m on 17/07/20.										
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				Percussion Drilling Log									
Project Name: TATA 200T Bunker				Client: TATA Steel				Date: 16/07/2020 - 21/07/2020					
Location: TATA Steel Port Talbot				Contractor: Scotts									
Project No. : 2025				Crew Name: NL				Drilling Equipment: Dando 2000					
Borehole Number BH03		Hole Type BH		Level		Logged By RHG		Scale 1:50		Page Number Sheet 3 of 3			
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description					
		Depth (m)	Type	Results									
		20.00 - 20.45 20.00 - 20.45 20.00	B D SPT	N=4 (1,1/1,1,1,1)				Very loose to loose grey very clayey silty SAND.	21				
		21.50 - 21.95 21.50 - 21.95 21.50	B D SPT	N=4 (1,1/1,1,1,1)					22				
		23.00 - 23.45 23.00 - 23.45 23.00	B D SPT	N=19 (3,4/5,5,4,5)	23.00			(Stiff) grey brown clayey fibrous PEAT.	23				
		23.80	B		23.80			Medium dense becoming very dense brown grey sandy GRAVEL and COBBLES of sandstone. Gravel is medium to coarse sub-angular. Cobbles are sub angular.	24				
		24.50 - 24.95 24.50	B SPT	N=29 (4,6/3,8,9,9)					25				
		26.00 - 26.45 26.00	B SPT	N=50 (6,10/50 for 235mm)					26				
		27.50 - 27.95 27.50	B SPT	N=50 (25 for 19mm/50 for 10mm)					27				
		29.00 - 29.45 29.00	B SPT	N=50 (5,8/50 for 227mm)					29				
				30.00			End of Borehole at 30.000m	30					
Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation					
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation		
10.00	250	10.00	250	2.00	2.40	01:00							
30.00	200	30.00	200	23.80	24.30	01:00							
				24.40	24.80	01:00							
				27.50	27.90	01:30							
Remarks Standing water at 3.20m on 17/07/20.													

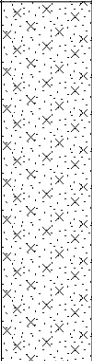
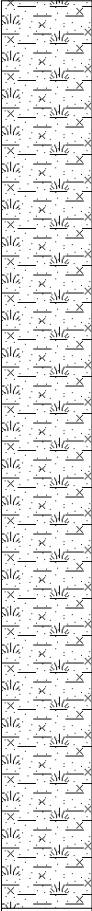
Percussion Drilling Log

Project Name: TATA 200T Bunker		Client: TATA Steel		Date: 08/07/2020 - 14/07/2020	
Location: TATA Steel Port Talbot		Contractor: Scotts			
Project No. : 2025		Crew Name: NL		Drilling Equipment: Dando 2000	
Borehole Number BH2A	Hole Type BH	Level	Logged By RHG	Scale 1:50	Page Number Sheet 1 of 3

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		3.00 - 3.45 3.00 - 3.45 3.00	B D SPT	N=20 (3,3/5,5,5,5)	3.00			MADE GROUND. Previously dug and reinstated by Scotts. Slag and clay fill **	1
		4.00 - 4.45 4.00 - 4.45 4.00	B D SPT	N=22 (3,4/6,5,5,6)					2
		5.00 - 5.45 5.00 - 5.45 5.00	B D SPT	N=22 (2,5/5,6,6,5)					3
		6.50 - 6.95 6.50 - 6.95 6.50	B D SPT	N=13 (4,4/3,3,4,3)					4
		7.00 - 8.00	B		7.00				5
		8.00 - 8.45 8.00 - 8.45 8.00	B D SPT	N=14 (3,3/3,4,3,4)					6
		9.50 - 9.95 9.50 - 9.95 9.50	B D SPT	N=13 (2,3/3,4,3,3)					7
		10.00	B		10.00				8
									9
									10

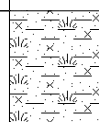
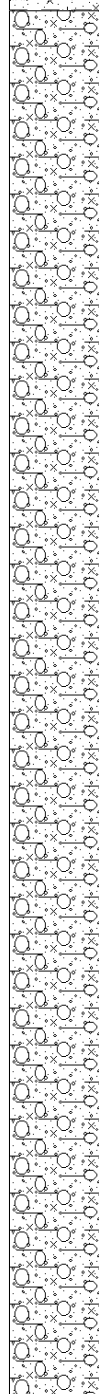
Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
10.00 30.00	250 200	10.00 30.00	250 200	25.00 27.50	25.40 27.80	01:00 01:00					

Remarks
Standing water at 2.00mm on 10/07/20.

		Percussion Drilling Log									
Project Name: TATA 200T Bunker				Client: TATA Steel				Date: 08/07/2020 - 14/07/2020			
Location: TATA Steel Port Talbot				Contractor: Scotts							
Project No. : 2025				Crew Name: NL				Drilling Equipment: Dando 2000			
Borehole Number BH2A		Hole Type BH		Level		Logged By RHG		Scale 1:50		Page Number Sheet 2 of 3	
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
		Depth (m)	Type	Results							
		11.00 - 11.45 11.00 - 11.45 11.00	B D SPT	N=6 (1,1/2,1,2,1)	12.40			Loose to medium dense grey silty SAND.	11		
		12.50 - 12.95 12.50 - 12.95 12.50	B D SPT	N=10 (2,2/3,2,2,3)				Soft grey silty sandy CLAY.	12		
		14.00 - 14.45 14.00 - 14.45 14.00	B D SPT	N=4 (1,1/1,1,1,1)	14.00		Soft grey silty sandy CLAY, with organic matter.	13			
		15.50 - 15.95 15.50 - 15.95 15.50	B D SPT	N=4 (1,1/1,1,1,1)			14				
		17.00 - 17.45 17.00 - 17.45 17.00	B D SPT	N=5 (1,1/1,2,1,1)			15				
		18.50 - 18.95 18.50 - 18.95 18.50	B D SPT	N=6 (2,2/1,2,2,1)			16				
		20.00 - 20.45	B				17				
				18							
								19			
								20			
Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
10.00 30.00	250 200	10.00 30.00	250 200	25.00 27.50	25.40 27.80	01:00 01:00					
Remarks Standing water at 2.00mm on 10/07/20.											

Percussion Drilling Log

Project Name: TATA 200T Bunker		Client: TATA Steel		Date: 08/07/2020 - 14/07/2020	
Location: TATA Steel Port Talbot		Contractor: Scotts			
Project No. : 2025		Crew Name: NL		Drilling Equipment: Dando 2000	
Borehole Number BH2A	Hole Type BH	Level	Logged By RHG	Scale 1:50	Page Number Sheet 3 of 3

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		20.00 - 20.45 20.00	D SPT	N=20 (3,4/5,5,5,5)	20.80			Soft grey silty sandy CLAY, with organic matter.	21
		20.80 - 20.80	B SPT	N=23 (4,5/6,6,5,6)				Medium dense to very dense grey brown silty cobbly very sandy GRAVEL. Gravel is fine to coarse sub-angular of sandstone, with occasional cobbles.	
		21.50 - 21.95 21.50	B SPT	N=23 (4,5/6,6,5,6)				22	
		23.00 - 23.45 23.00	B SPT	N=24 (5,6/6,5,7,6)				23	
		24.50 - 24.95 24.50	B SPT	N=50 (6,10/50 for 290mm)				24	
		26.00 - 26.45 26.00	B SPT	N=50 (7,11/11,13,13,13)				25	
		27.50 - 27.95 27.50	B SPT	N=50 (25 for 15mm/50 for 38mm)				26	
		29.00 - 29.45 29.00	B SPT	N=50 (9,9/50 for 225mm)				27	
		30.00	EW					28	

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
10.00	250	10.00	250	25.00	25.40	01:00					
30.00	200	30.00	200	27.50	27.80	01:00					

Remarks
Standing water at 2.00mm on 10/07/20.