



Trial Pit Log

Trialpit No

TP107

Sheet 1 of 1

Project Name: Monckton Production Facility

Project No.
G151311Co-ords: 437419.94 - 412327.16
Level: 63.80

Date

Location: Lund Hill Lane, Royston, Barnsley, S71 4BD

Dimensions
(m):Depth
2.00Scale
1:25

Logged

Client: Hargreaves Ltd c/o Patrick Parsons Ltd

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.10 0.10 0.10 0.30	B D ES D		0.20	63.60		MADE GROUND - Coke, ash, coal and gravel fill. Gravel is fine to coarse, sub-rounded to sub-angular of sandstone and mudstone.
	0.50 0.50 0.50	B D ES					MADE GROUND - Mixed rubble fill of whole and half bricks, crushed brick fragments, broken concrete, coke, coal, ash and occasional buried metal, timber, steel rope, and rags. <i>Large buried steel lifting cable/rope.</i> <i>Buried railway sleeper encountered.</i>
				1.30	62.50		CONCRETE - Large buried concrete structure encountered.
	2.00 2.00	D ES		2.00 2.00	61.80 61.80		Trial pit abandoned after 30 mins attempting to break through concrete obstruction. <i>End of pit at 2.00 m</i>

Remarks: No groundwater encountered. Stability: Good. Backfilled with arisings. Log issue: Draft.

Stability:





Trial Pit Log

Trialpit No

TP108

Sheet 1 of 1

Project Name: Monckton Production Facility

Project No.
G151311Co-ords: 437495.18 - 412301.86
Level: 65.45

Date

Location: Lund Hill Lane, Royston, Barnsley, S71 4BD

Dimensions
(m):Depth
1.10Scale
1:25

Logged

Client: Hargreaves Ltd c/o Patrick Parsons Ltd

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.30 0.30 0.30 0.50 0.50 0.50	B D ES B D ES		0.50	64.95		MADE GROUND - Mixed rubble fill with crushed brick, coal, coke, ash, sand, clay and gravel. Gravel is fine to coarse, sub-rounded to sub-angular of sandstone and mudstone.
	1.00 1.00 1.00	B D ES		1.10	64.35		Orangish grey, weak brittle MUDSTONE. Frequent ironstone nodules and iron ore colouring within the mudstone.
							End of pit at 1.10 m

Remarks: No groundwater encountered. Stability: Good. Backfilled with arisings. Log issue: Draft.

Stability:





Trial Pit Log

Trialpit No

TP109

Sheet 1 of 1

Project Name: Monckton Production Facility

Project No.
G151311Co-ords: 437363.45 - 412266.30
Level: 63.07Date
06/05/2015

Location: Lund Hill Lane, Royston, Barnsley, S71 4BD

Dimensions
(m):Depth
3.50Scale
1:25

Logged

Client: Hargreaves Ltd c/o Patrick Parsons Ltd

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.30 0.30	D ES		0.20	62.87		MADE GROUND - Fine to coarse, dark greyish black coke fill ('carpet').
	0.50 0.50	D ES		0.60	62.47		MADE GROUND - Mixed brick and coke rubble fill with frequent half bricks, lumps of concrete and small to large cobbles of mudstone.
	1.20 1.20	D ES					MADE GROUND - Reworked grey mudstone. Recovered as a fine to coarse sub-angular to angular cobbly gravel of mudstone. Cobbles are small to large, sub-angular to angular of mudstone with frequent visible fossilized plant matter.
	2.50 2.50	D ES					
				3.00	60.07		Orangish brown very sandy, slightly gravelly CLAY. Gravel is fine to medium, sub-angular to angular of sandstone. Sand is fine to coarse.
	3.50 3.50	D ES		3.50	59.57		End of pit at 3.50 m

Remarks: No groundwater encountered. Stability: Good. Backfilled with arisings. Log issue: Draft.

Stability:





Trial Pit Log

Trialpit No

TP110

Sheet 1 of 1

Project Name: Monckton Production Facility

Project No.
G151311Co-ords: 437395.76 - 412261.89
Level: 63.65

Date

Location: Lund Hill Lane, Royston, Barnsley, S71 4BD

Dimensions
(m):Depth
3.80Scale
1:25

Logged

Client: Hargreaves Ltd c/o Patrick Parsons Ltd

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.50 0.50	D ES					MADE GROUND - Fine to coarse, greyish black coke fill.
	1.20 1.20	D ES		1.00 1.30	62.65 62.35		MADE GROUND - Fill comprising a coarse sub-angular gravel of granite. (Possible old railway ballast.)
	2.30 2.30	D ES		1.85	61.80		MADE GROUND - Dark greyish black, slightly clayey sandy gravelly mixed rubble fill with brick fragments, coke, coal and ash.
	3.80 3.80	D ES		3.80 3.80	59.85 59.85		Weak, brittle, orangish brown MUDSTONE.
							Trial pit terminated in mudstone. End of pit at 3.80 m

Remarks: No groundwater encountered. Stability: Good. Backfilled with arisings. Log issue: Draft.

Stability:



Trial Pit Log

Trial Pit No
TP1005
Sheet 1 of 1

Project Name: Monckton Coke Works

Project No.
G15009

Co-ords: -
Level:

Date
15/03/2016

Location: Lund Hill Lane, Barnsley

Dimensions (m):

2.00

Depth
1.00

0.60

Scale
1:25

Logged
TD

Client: Hargreaves (UK) Services Ltd

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.80	ES		0.40			Grass over black gravelly organic CLAY. Gravel is angular fine to medium of coke coal and brick. (TOPSOIL)
				1.00			Light brown clayey sandy angular fine to coarse ashy GRAVEL of mudstone and sandstone. Sand is fine to medium. (MADE GROUND)
							End of Pit at 1.00m

Remarks: Trial pit complete at 1.00m bgl. No groundwater encountered. Backfilled with arisings upon completion.

Stability: Trial pit remained stable during excavation.

Trial Pit Log

Trial Pit No

TP1006

Sheet 1 of 1

Project Name: Monckton Coke Works

Project No.
G15009

Co-ords: -
Level:

Date
15/03/2016

Location: Lund Hill Lane, Barnsley

Dimensions (m):

2.00

Depth
3.00

0.60

Scale
1:25

Logged
TD

Client: Hargreaves (UK) Services Ltd

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	1.10	ES		0.90			Black angular fine to coarse ashy GRAVEL of coke. (MADE GROUND)	
	2.80	ES		2.90 3.00			Greyish brown sandy sub-angular fine to coarse GRAVEL of mudstone and brick with fine coal fragments. Sand is fine to medium. (MADE GROUND)	1
							Medium strong greyish brown laminated MUDSTONE recovered as silty angular fine to coarse GRAVEL. (PENNINE MIDDLE COAL MEASURES) End of Pit at 3.00m	3
								4
								5

Remarks: Trial pit complete at 3.00m bgl. No groundwater encountered. Backfilled with arisings upon completion.

Stability: Trial pit remained stable during excavation.



Trial Pit Log

Trial Pit No
TP1008
Sheet 1 of 1

Project Name: Monckton Coke Works

Project No.
G15009

Co-ords: -
Level:

Date
15/03/2016

Location: Lund Hill Lane, Barnsley

Dimensions (m):

2.00

Scale
1:25

Client: Hargreaves (UK) Services Ltd

Depth
1.50

0.60

Logged
TD

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.10 0.20			Tarmac. (MADE GROUND)
							Tarmac. (MADE GROUND)
							Reddish brown sandy angular fine to coarse COBBLES and BOULDERS of brick and concrete. (MADE GROUND)
	1.00	ES		1.50 1.50			Reddish brown sandy angular fine to coarse COBBLES and BOULDERS of brick and concrete. (MADE GROUND)
							End of Pit at 1.50m

Remarks: Trial pit complete at 1.50m bgl. No groundwater encountered. Backfilled with arisings upon completion.

Stability: Trial pit remained stable during excavation.

Trial Pit Log

Trial Pit No
TP1009
Sheet 1 of 1

Project Name: Monckton Coke Works

Project No.
G15009

Co-ords: -
Level:

Date
16/03/2016

Location: Lund Hill Lane, Barnsley

Dimensions (m):

2.00

Depth
2.00

0.60

Scale
1:25

Logged
TD

Client: Hargreaves (UK) Services Ltd

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.20			Black angular fine to coarse ashy GRAVEL of coke. (MADE GROUND)	
	0.70	ES					Light brown sandy angular fine to coarse GRAVEL of sandstone. (MADE GROUND)	1
				1.75			Strong light brown finely grained SANDSTONE recovered as sandy angular fine to coarse GRAVEL. (MEXBOROUGH ROCK)	2
	1.90	ES		2.00			End of Pit at 2.00m	5

Remarks: Trial pit complete at 2.00m bgl. No groundwater encountered. Backfilled with arisings upon completion.



Stability: Trial pit remained stable during excavation.

Trial Pit Log

Trial Pit No
TP1010
Sheet 1 of 1

Project Name: Monckton Coke Works

Project No.
G15009

Co-ords: -
Level:

Date
15/03/2016

Location: Lund Hill Lane, Barnsley

Dimensions (m):

2.00

Depth
1.50

0.60

Scale
1:25

Logged
TD

Client: Hargreaves (UK) Services Ltd

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	1.00	ES		0.40			Dark grey sandy sub-angular fine to coarse GRAVEL of brick concrete and sandstone. (MADE GROUND)	
				1.50			Grey damp clayey fine to medium SAND. (MADE GROUND)	1
							End of Pit at 1.50m	2
								3
								4
								5

Remarks: Trial pit complete at 1.50m bgl. No groundwater encountered. Backfilled with arisings upon completion.

Stability: Trial pit remained stable during excavation.



Trial Pit Log

Trial Pit No
TP1011
Sheet 1 of 1

Project Name: Monckton Coke Works

Project No.
G15009

Co-ords: -
Level:

Date
16/03/2016

Location: Lund Hill Lane, Barnsley

Dimensions (m):

2.00

Depth
2.00

0.60

Scale
1:25

Logged
TD

Client: Hargreaves (UK) Services Ltd

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.20			Concrete. (MADE GROUND)	
							Dark brown sub-angular fine to coarse GRAVEL of brick concrete and sandstone. (MADE GROUND) <i>Seepage of oily hydrocarbon liquid within made ground between 0.40m and 0.50m bgl. Sewer drain at 0.50m bgl running S-N.</i>	
				0.80			Light brown clayey sandy sub-angular fine to coarse GRAVEL of sandstone.	1
				1.75			Medium strong light brown finely grained SANDSTONE recovered as sandy angular fine to coarse GRAVEL. (MEXBOROUGH ROCK)	2
	1.90	ES		2.00			End of Pit at 2.00m	5

Remarks: Trial pit complete at 2.00m bgl. No groundwater encountered. Backfilled with arisings upon completion.

Stability: Trial pit remained stable during excavation.

Trial Pit Log

Trial Pit No
TP1012
Sheet 1 of 1

Project Name: Monckton Coke Works

Project No.
G15009

Co-ords: -
Level:

Date
15/03/2016

Location: Lund Hill Lane, Barnsley

Dimensions (m):

2.00

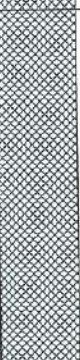
Depth
2.50

0.60

Scale
1:25

Logged
TD

Client: Hargreaves (UK) Services Ltd

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
▼	2.00	ES		0.25			Concrete. (MADE GROUND)
				1.50			Light brown sandy angular fine to coarse GRAVEL of brick mudstone and sandstone. Sand is fine to medium. (MADE GROUND)
				2.50			Pale yellow slightly gravelly fine to medium SAND. Gravel is sub-angular fine to coarse of sandstone.
							End of Pit at 2.50m

Remarks: Trial pit complete at 2.50m bgl. Slightwater seepage encountered at 1.3m. Backfilled with arisings upon completion.

Stability: Trial pit remained stable during excavation.



Trial Pit Log

Trial Pit No
TP1014
Sheet 1 of 1

Project Name: Monckton Coke Works

Project No.
G15009

Co-ords: -
Level:

Date
16/03/2016

Location: Lund Hill Lane, Barnsley

Dimensions (m):

2.00

Depth
2.00

0.60

Scale
1:25

Logged
TD

Client: Hargreaves (UK) Services Ltd

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
							Concrete. (MADE GROUND)
	0.80	ES		0.50			Black sandy angular fine to coarse GRAVEL of brick and concrete with frequent metal fragments. (MADE GROUND)
				1.20			Light brown sandy angular fine to coarse GRAVEL of sandstone. (MADE GROUND)
	1.70	ES		2.00			End of Pit at 2.00m

Remarks: Trial pit complete at 2.00m bgl. No groundwater encountered. Backfilled with arisings upon completion.

Stability: Trial pit remained stable during excavation.

Trial Pit Log

Trial Pit No
TP1017
Sheet 1 of 1

Project Name: Monckton Coke Works

Project No.
G15009

Co-ords: -
Level:

Date
16/03/2016

Location: Lund Hill Lane, Barnsley

Dimensions (m):

2.00

Depth
1.00

0.60

Scale
1:25

Logged
TD

Client: Hargreaves (UK) Services Ltd

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.10	ES		0.05			Tarmac. (MADE GROUND)
				0.30			Black sandy angular fine to medium GRAVEL of coke brick and concrete. Sand is fine. (MADE GROUND)
				0.50			Concrete and brick. (MADE GROUND)
	0.80	ES					Black sandy angular fine to medium GRAVEL of coke brick and concrete. Sand is fine. (MADE GROUND)
	1.00	ES		1.00			End of Pit at 1.00m

Remarks: Trial pit terminated at 1.00m bgl due to encountered electricity cable. No groundwater encountered.
Backfilled with arisings upon completion.

Stability: Trial pit remained stable during excavation.

Trial Pit Log

Trial Pit No
TP1018
Sheet 1 of 1

Project Name: Monckton Coke Works

Project No.
G15009

Co-ords: -
Level:

Date
16/03/2016

Location: Lund Hill Lane, Barnsley

Dimensions
(m):

2.00

Scale
1:25

Client: Hargreaves (UK) Services Ltd

Depth
0.50

0.60

Logged
TD

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.45	ES		0.10			Tarmac. (MADE GROUND)
				0.30			Dark grey angular fine to coarse GRAVEL of mixed lithologies including sandstone. (MADE GROUND)
				0.50			Dark grey sandy angular fine to coarse ashy GRAVEL of coke brick and concrete. Sand is fine. (MADE GROUND)
							End of Pit at 0.50m

Remarks: Trial pit complete at 0.50m bgl. No groundwater encountered. Backfilled with arisings upon completion.

Stability: Trial pit remained stable during excavation.



Trial Pit Log

Trial Pit No
TP1020
Sheet 1 of 1

Project Name: Monckton Coke Works

Project No.
G15009

Co-ords: -
Level:

Date
16/03/2016

Location: Lund Hill Lane, Barnsley

Dimensions (m):

2.00

Depth
1.50

0.60

Scale
1:25

Logged
TD

Client: Hargreaves (UK) Services Ltd

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.60	ES					Dark grey and black angular fine to coarse GRAVEL and COBBLES of brick and concrete. (MADE GROUND)
	1.20	ES		1.20			Dark grey and black angular fine to coarse GRAVEL and COBBLES of brick and concrete. (MADE GROUND)
				1.50 1.50			Light brown sandy angular fine to coarse GRAVEL and COBBLES of mudstone and sandstone. (MADE GROUND) End of Pit at 1.50m

Remarks: Trial pit complete at 1.50m bgl. No groundwater encountered. Backfilled with arisings upon completion.

Stability: Trial pit remained stable during excavation.



				<h1 style="text-align: center;">Trial Pit Log</h1>			Trial Pit No TP1021 Sheet 1 of 1	
Project Name: Monckton Coke Works				Project No. G15009		Co-ords: - Level:		Date 16/03/2016
Location: Lund Hill Lane, Barnsley						Dimensions (m): <div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">0.60</div> <div style="border: 1px solid black; width: 100px; height: 30px; position: relative;"> <div style="position: absolute; top: -10px; left: 50%; transform: translateX(-50%);">2.00</div> </div> </div>		Scale 1:25
Client: Hargreaves (UK) Services Ltd						Depth 1.50		Logged TD
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.60	ES		0.40		[Pattern]	Dark grey sub-angular fine to coarse GRAVEL of concrete and brick. (MADE GROUND)	1
	1.40	ES		1.50			Light brown clayey sandy angular fine to coarse GRAVEL of sandstone. (MADE GROUND)	
	End of Pit at 1.50m							2
								3
								4
								5
Remarks: Trial pit complete at 1.50m bgl. No groundwater encountered. Backfilled with arisings upon completion.								
Stability: Trial pit remained stable during excavation.								



Trial Pit Log

Trial Pit No
TP1023
Sheet 1 of 1

Project Name: Monckton Coke Works

Project No.
G15009

Co-ords: -
Level:

Date
16/03/2016

Location: Lund Hill Lane, Barnsley

Dimensions (m):

2.00

Depth
1.75

0.60

Scale
1:25

Logged
TD

Client: Hargreaves (UK) Services Ltd

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.25	ES		0.40			Greyish brown sandy angular fine to coarse GRAVEL of sandstone brick and concrete. Sand is fine to coarse. (MADE GROUND)	
	1.50	ES		1.75			Light brown reworked sandy angular fine to coarse GRAVEL of sandstone. Sand is fine to medium. (MADE GROUND)	
							End of Pit at 1.75m	

Remarks: Trial pit complete at 1.75m bgl. No groundwater encountered. Backfilled with arisings upon completion.

Stability: Trial pit remained stable during excavation.



Project Name: Monckton Coke Works

Project No.
G15009

Co-ords: -
Level:

Date
16/03/2016

Location: Lund Hill Lane, Barnsley

Dimensions (m):

Scale
1:25

Client: Hargreaves (UK) Services Ltd

Depth
0.75

Logged
TD

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.40	ES		0.20 0.30		<div>Light brown silty sandy sub-angular fine to coarse GRAVEL of sandstone. Sand is fine to medium. (MADE GROUND)</div> <div>Light brown silty sandy sub-angular fine to coarse GRAVEL of sandstone. Sand is fine to medium. (MADE GROUND)</div> <div>Black sandy angular fine to medium GRAVEL of coke brick and concrete. Sand is fine. (MADE GROUND)</div>	
				0.75 0.75		<div>Black sandy angular fine to medium GRAVEL of coke brick and concrete. Sand is fine. (MADE GROUND)</div>	End of Pit at 0.75m

[illegible]

Stability: Trial pit remained stable during excavation.

Project Name: Monckton Coke Works

Project No.
G15009

Co-ords: -
Level:

Date
16/03/2016

Location: Lund Hill Lane, Barnsley

Dimensions
(m):

2.00

Scale
1:25

Client: Hargreaves (UK) Services Ltd

Depth
2.20

0.60

 Logged TD |[illegible]

Remarks:	Trial pit complete at 2.20m bgl. No groundwater encountered. Backfilled with arisings upon completion.
----------	--



Stability: Trial pit remained stable during excavation.

PATRICK PARSONS				Trial Pit Log			Trial Pit No TP1026 Sheet 1 of 1	
Project Name: Monckton Coke Works				Project No. G15009		Co-ords: - Level:		Date 16/03/2016
Location: Lund Hill Lane, Barnsley				Dimensions (m):		2.00		Scale 1:25
Client: Hargreaves (UK) Services Ltd				Depth 1.00		0.60		Logged TD
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.70	ES		0.30			Greyish brown sandy angular fine to coarse GRAVEL of sandstone brick and concrete. Sand is fine to coarse. (MADE GROUND)	
				0.50			Reddish brown reworked sandy angular fine to coarse GRAVEL of sandstone. Sand is fine to medium. (MADE GROUND)	
							Medium strong reddish brown medium grained SANDSTONE recovered as sandy angular fine to coarse GRAVEL. (MEXBOROUGH ROCK)	
				1.00			End of Pit at 1.00m	1
								2
								3
								4
								5

Remarks: Trial pit complete at 1.00m bgl. No groundwater encountered. Backfilled with arisings upon completion.

Stability: Trial pit remained stable during excavation.



PATRICK PARSONS						<h1>Trial Pit Log</h1>						TrialPit No TP1027 Sheet 1 of 1	
Project Name: Monckton Coke Works						Project No. G15009		Co-ords: - Level:				Date 16/03/2016	
Location: Lund Hill Lane, Barnsley								Dimensions (m): Depth 1.50				Scale 1:25 Logged TD	
Client: Hargreaves (UK) Services Ltd													
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description						
	Depth	Type	Results										
	1.00	ES		0.30		[Pattern]	Dark grey sub-angular fine to coarse GRAVEL of concrete and brick. (MADE GROUND)						
				0.60		[Pattern]	Light brown clayey sandy angular fine to coarse GRAVEL of mudstone and sandstone. (MADE GROUND)						
				1.50		[Pattern]	Black angular fine to coarse GRAVEL and COBBLES of brick concrete and coal. (MADE GROUND)						
							End of Pit at 1.50m						
Remarks: Trial pit complete at 1.50m bgl. No groundwater encountered. Backfilled with arisings upon completion.													
Stability: Trial pit remained stable during excavation.													

PATRICK PARSONS				<h1 style="margin: 0;">Trial Pit Log</h1>				Trial Pit No TP1028 Sheet 1 of 1	
Project Name: Monckton Coke Works				Project No. G15009		Co-ords: - Level:		Date 16/03/2016	
Location: Lund Hill Lane, Barnsley						Dimensions (m): <div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">Depth</div> <div style="border: 1px solid black; width: 100px; height: 40px; display: flex; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">0.60</div> </div> </div>		Scale 1:25	
Client: Hargreaves (UK) Services Ltd								Depth 0.50	
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
	0.45	ES		0.20 0.50 0.50		<div style="background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px); width: 40px; height: 40px; margin-bottom: 5px;"></div> <div style="background: repeating-linear-gradient(-45deg, transparent, transparent 2px, black 2px, black 4px); width: 40px; height: 40px; margin-bottom: 5px;"></div>	<div style="border: 1px solid black; padding: 5px;"> Concrete. (MADE GROUND) </div> <div style="border: 1px solid black; padding: 5px;"> Light brown reworked sandy angular fine to coarse GRAVEL of sandstone brick and concrete. Sand is fine to medium. (MADE GROUND) </div> <div style="border: 1px solid black; padding: 5px;"> Light brown reworked sandy angular fine to coarse GRAVEL of sandstone brick and concrete. Sand is fine to medium. (MADE GROUND) </div>		
							End of Pit at 0.50m		
Remarks: Trial pit complete at 0.50m bgl. No groundwater encountered. Backfilled with arisings upon completion.									
Stability: Trial pit remained stable during excavation.									



Trial Pit Log

Trial Pit No
TP1030

Sheet 1 of 1

Project Name: Monckton Coke Works

Project No.
G15009

Co-ords: -
Level:
Date
17/03/2016

Location: Lund Hill Lane, Barnsley

Dimensions (m):

2.00

Depth
2.00

0.60

Scale
1:25

Logged
TD

Client: Hargreaves (UK) Services Ltd

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.40			Greyish brown angular fine to coarse GRAVEL of brick and concrete. (MADE GROUND)	
				1.30			Light brown and black reworked sandy gravelly CLAY. Gravel is sub-angular fine to coarse of sandstone. (MADE GROUND)	1
	1.50	ES		2.00			Firm brown sandy CLAY with occasional fine coal fragments. Sand is fine.	2
							End of Pit at 2.00m	3
								4
								5

Remarks: Trial pit complete at 2.00m bgl. No groundwater encountered. Backfilled with arisings upon completion.

Stability: Trial pit remained stable during excavation.

Trial Pit Log

Trial Pit No
TP1031
Sheet 1 of 1

Project Name: Monckton Coke Works

Project No.
G15009

Co-ords: -
Level:

Date
15/03/2016

Location: Lund Hill Lane, Barnsley

Dimensions (m):

2.00

Depth
2.00

0.60

Scale
1:25

Logged
TD

Client: Hargreaves (UK) Services Ltd

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30			Black angular fine to coarse ashy GRAVEL of coke. (MADE GROUND)	
							Reddish and light brown clayey angular fine to coarse GRAVEL of sandstone mudstone and brick. (MADE GROUND)	
	1.60	ES						1
				2.00			End of Pit at 2.00m	2
								3
								4
								5

Remarks: Trial pit complete at 2.00m bgl. No groundwater encountered. Backfilled with arisings upon completion.

Stability: Trial pit remained stable during excavation.

Trial Pit Log

Trial Pit No
TP1032
Sheet 1 of 1

Project Name: Monckton Coke Works

Project No.
G15009

Co-ords: -
Level:

Date
15/03/2016

Location: Lund Hill Lane, Barnsley

Dimensions (m):

2.00

Depth
1.00

0.60

Scale
1:25

Logged
TD

Client: Hargreaves (UK) Services Ltd

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.50	ES		0.30			Black angular fine to coarse ashy GRAVEL of coke. (MADE GROUND)	
				1.00			Greyish brown angular fine to coarse GRAVEL of mudstone sandstone and brick with occasional coal fragments. (MADE GROUND)	
							End of Pit at 1.00m	1
								2
								3
								4
								5

Remarks: Trial pit complete at 1.00m bgl. No groundwater encountered. Backfilled with arisings upon completion.

Stability: Trial pit remained stable during excavation.

PATRICK PARSONS				Trial Pit Log			Trial Pit No TP1033 Sheet 1 of 1	
Project Name: Monckton Coke Works				Project No. G15009		Co-ords: - Level:		Date 16/03/2016
Location: Lund Hill Lane, Barnsley				Dimensions (m):		2.00		Scale 1:25
Client: Hargreaves (UK) Services Ltd				Depth 0.75		0.60		Logged TD
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.50	ES		0.30			Greyish brown sandy angular fine to coarse GRAVEL of sandstone brick and concrete. Sand is fine to coarse. (MADE GROUND)	
				0.75			Light brown reworked sandy angular fine to coarse GRAVEL of sandstone. Sand is fine to medium. (MADE GROUND)	
							End of Pit at 0.75m	
Remarks: Trial pit complete at 0.75m bgl. No groundwater encountered. Backfilled with arisings upon completion.								
Stability: Trial pit remained stable during excavation.								

Trial Pit Log

Trial Pit No
TP1101
Sheet 1 of 1

Project Name: Monckton Coke Works

Project No.
G15009

Co-ords: -
Level:

Date
15/03/2016

Location: Lund Hill Lane, Barnsley

Dimensions (m):

Depth
3.00

0.60 2.00

Scale
1:25

Logged
TD

Client: Hargreaves (UK) Services Ltd

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.60			Black angular fine to coarse ashy GRAVEL of coke. (MADE GROUND)
	1.00	ES					Light brown silty sandy GRAVEL of mudstone and sandstone with occasional brick coal and metal. Sand is fine to coarse. (MADE GROUND)
				1.80			Pale yellow slightly gravelly fine to medium SAND.
	2.50	ES					
				3.00			End of Pit at 3.00m

Remarks: Trial pit complete at 3.00m bgl. No groundwater encountered. Backfilled with arisings upon completion.

Stability: Trial pit remained stable during excavation.

Trial Pit Log

Trial Pit No
TP1102
Sheet 1 of 1

Project Name: Monckton Coke Works

Project No.
G15009

Co-ords: -
Level:

Date
15/03/2016

Location: Lund Hill Lane, Barnsley

Dimensions (m):

Depth
1.00

0.60

2.00

Scale
1:25

Logged
TD

Client: Hargreaves (UK) Services Ltd

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.75	ES		0.30			Black angular fine to coarse ashy GRAVEL of coke. (MADE GROUND)
				0.60			Reddish brown sandy angular fine to coarse GRAVEL of brick with occasional wire. (MADE GROUND)
				1.00			Black angular fine to coarse GRAVEL of coal and brick. (MADE GROUND)
							End of Pit at 1.00m

Remarks: Trial pit complete at 1.00m bgl. No groundwater encountered. Backfilled with arisings upon completion.

Stability: Trial pit remained stable during excavation.

PATRICK PARSONS				<h1 style="margin: 0;">Trial Pit Log</h1>			Trial Pit No TP1103 Sheet 1 of 1		
Project Name: Monckton Coke Works				Project No. G15009		Co-ords: - Level:		Date 15/03/2016	
Location: Lund Hill Lane, Barnsley				Dimensions (m):		2.00 <div style="border: 1px solid black; width: 100px; height: 30px; margin: 5px auto;"></div>		Scale 1:25	
Client: Hargreaves (UK) Services Ltd				Depth 1.50		0.60 <div style="border: 1px solid black; width: 100px; height: 30px; margin: 5px auto;"></div>		Logged TD	

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	1.30	ES					Black angular fine to coarse ashy GRAVEL of coke with rare wood and metal fragments. (MADE GROUND)	1
			0.50			Light brown sandy angular fine to coarse GRAVEL of brick with occasional wire. (MADE GROUND)		
			1.00			Dark grey slightly sandy angular fine to coarse GRAVEL of mudstone brick and coal. Sand is fine to medium. (MADE GROUND)		
			1.50			End of Pit at 1.50m		
								2
								3
								4
								5

Remarks: Trial pit complete at 1.50m bgl. No groundwater encountered. Backfilled with arisings upon completion.

Stability: Trial pit remained stable during excavation.

Trial Pit Log

Trial Pit No
TP1104
Sheet 1 of 1

Project Name: Monckton Coke Works

Project No.
G15009

Co-ords: -
Level:

Date
15/03/2016

Location: Lund Hill Lane, Barnsley

Dimensions (m):

2.00

Depth
1.50

0.60

Scale
1:25
Logged
TD

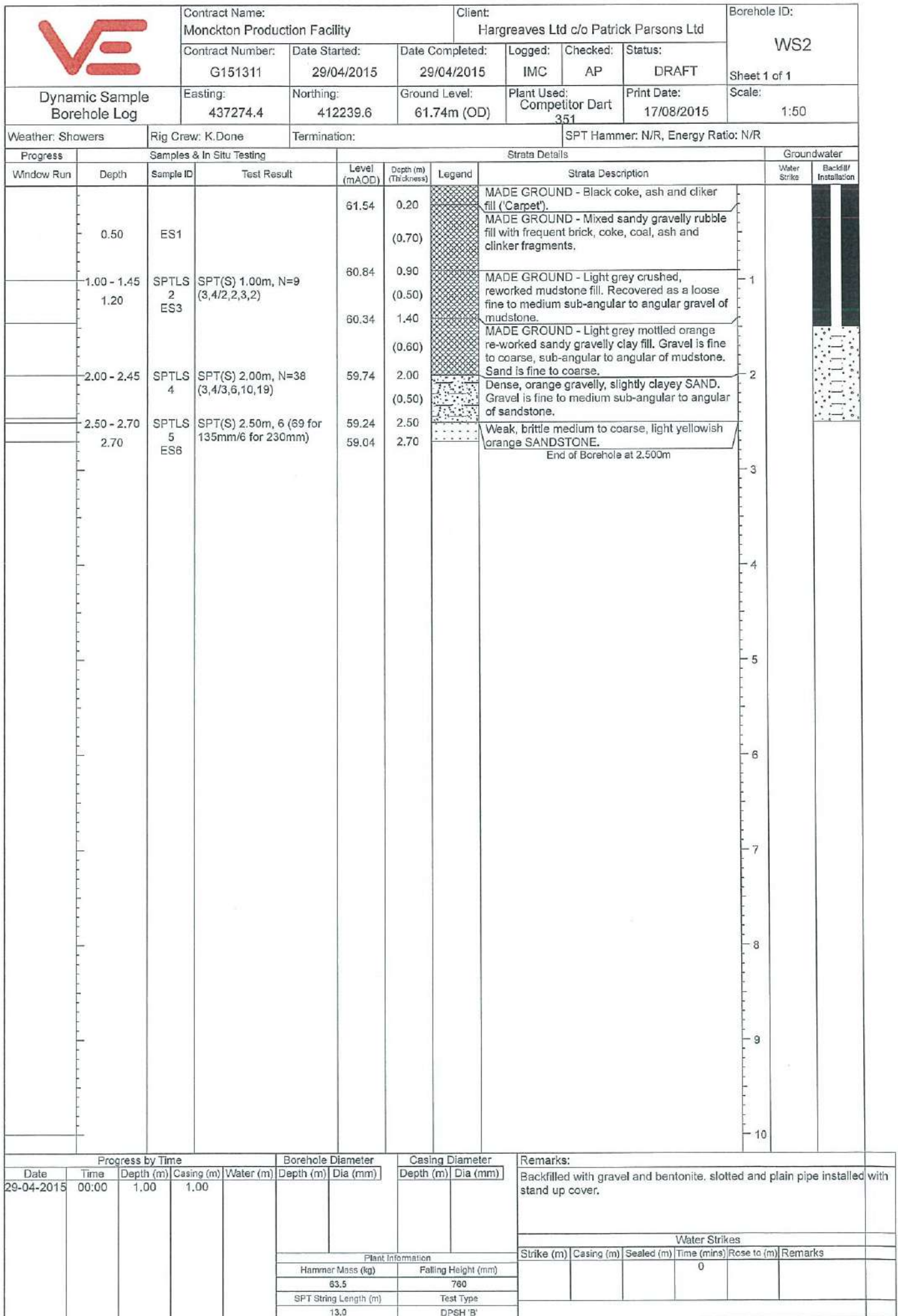
Client: Hargreaves (UK) Services Ltd

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	1.00	ES		1.50			Black angular fine to coarse ashy GRAVEL of coke with rare wood and metal fragments. (MADE GROUND) <i>Abandoned electricity cable at 0.50m bgl.</i> <i>Becomes slightly sandy from 0.50m bgl. Sand is fine to medium.</i> End of Pit at 1.50m	1 2 3 4 5

Remarks: Trial pit complete at 1.50m bgl. No groundwater encountered. Backfilled with arisings upon completion.

Stability: Trial pit remained stable during excavation.

PATRICK PARSONS				Trial Pit Log				Trial Pit No TP1105 Sheet 1 of 1	
Project Name: Monckton Coke Works				Project No. G15009		Co-ords: - Level:		Date 15/03/2016	
								Scale 1:25	
Location: Lund Hill Lane, Barnsley				Dimensions (m): Depth 3.00		<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 5px;"></div> <div style="text-align: center;">2.00</div> </div>		Logged TD	
								Client: Hargreaves (UK) Services Ltd	
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
				0.30			Dark grey angular fine to coarse ashy GRAVEL of coke. (MADE GROUND) Reddish brown sandy angular fine to coarse GRAVEL of brick with occasional wire. (MADE GROUND) Greyish brown angular fine to coarse GRAVEL of mudstone and brick. (MADE GROUND)		
				0.50					
	1.30	ES							
	2.90	ES			3.00		End of Pit at 3.00m		
Remarks: Trial pit complete at 3.00m bgl. No groundwater encountered. Backfilled with arisings upon completion.									
Stability: Trial pit remained stable during excavation.									





Contract Name:
Monckton Production Facility

Client:
Hargreaves Ltd c/o Patrick Parsons Ltd

Borehole ID:
WS3

Contract Number:
G151311

Date Started:
29/04/2015

Date Completed:
29/04/2015

Logged:
IMC

Checked:
AP

Status:
PRELIM

Sheet 1 of 1

Dynamic Sample
Borehole Log

Easting:
437343.0

Northing:
412314.9

Ground Level:
62.30m (OD)

Plant Used:
Competitor Dart
351

Print Date:
17/08/2015

Scale:
1:50

Weather:

Rig Crew: K.Done

Termination:

SPT Hammer: N/R, Energy Ratio: N/R

Progress		Samples & In Situ Testing			Strata Details				Groundwater	
Window Run	Depth	Sample ID	Test Result	Level (mAOD)	Depth (m) (Thickness)	Legend	Strata Description	Water Strike	Backfill/ Installation	
	0.30	ES1		61.70	(0.60)		MADE GROUND - Crushed coke fill.			
	1.00	ES3	SPT(S) 1.00m, N=8		0.60		MADE GROUND - Greyish black mottled orangish brown reworked sandy gravelly clay fill with frequent coal, coke, ash and brick fragments. Gravel is fine to coarse, sub-angular to very angular of mixed lithologies. Sand is fine to coarse.			
	1.00 - 1.45	SPTLS 2	(1,1/1,2,2,3)					1		
	1.50	ES4								
	2.00 - 2.45	SPTLS 5	SPT(S) 2.00m, N=7		(3.40)			2		
	2.50	ES6								
	3.00 - 3.45	SPTLS 7	SPT(S) 3.00m, N=9					3		
	3.50	ES8								
	3.90 - 4.00	SPTLS 9	SPT(S) 3.90m, 0 (75 for 95mm/...)	58.30	4.00		End of Borehole at 4.000m	4		
								5		
								6		
								7		
								8		
								9		
								10		

Progress by Time

Date	Time	Depth (m)	Casing (m)	Water (m)
29-04-2015	00:00	1.00	1.00	

Borehole Diameter

Depth (m)	Dia (mm)

Casing Diameter

Depth (m)	Dia (mm)

Plant Information

Hammer Mass (kg)	Falling Height (mm)
63.5	760
SPT String Length (m)	Test Type
13.0	DPSH 'B'

Remarks:

Groundwater struck at 3.9m, with no rise recorded after 20 minutes. Backfilled with gravel and bentonite. slotted and plain pipe installed with stand up cover.

Water Strikes

Strike (m)	Casing (m)	Sealed (m)	Time (mins)	Rise to (m)	Remarks
3.90			0 20	3.90	

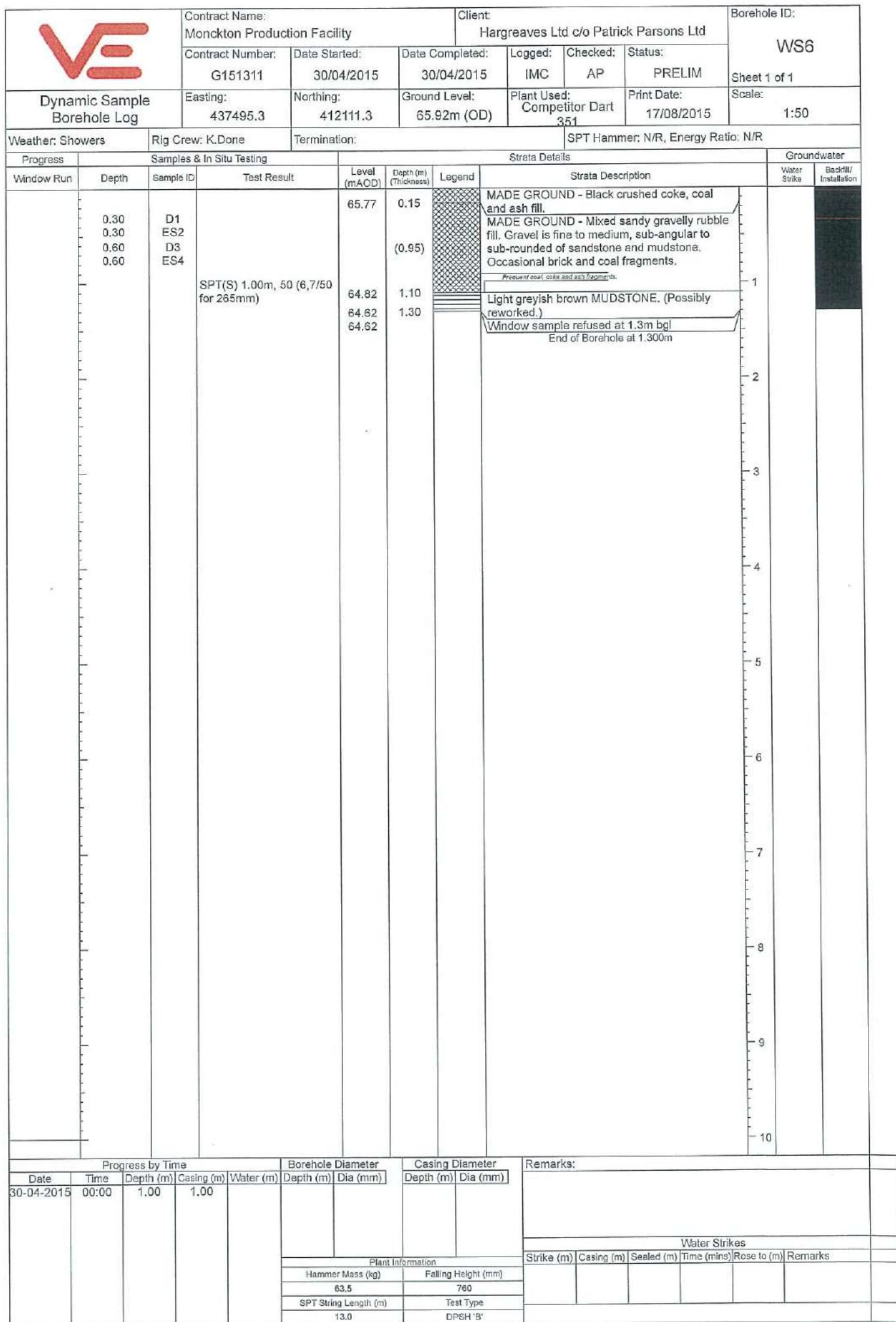
	Contract Name: Monckton Production Facility			Client: Hargreaves Ltd c/o Patrick Parsons Ltd			Borehole ID: WS4
	Contract Number: G151311	Date Started: 28/04/2015	Date Completed: 28/04/2015	Logged: IMC	Checked: AP	Status: PRELIM	Sheet 1 of 1
Dynamic Sample Borehole Log	Easting: 437365.6	Northing: 412171.1	Ground Level: 63.91m (OD)	Plant Used: Competitor Dart 351	Print Date: 17/08/2015	Scale: 1:50	

Weather: Showers Rig Crew: K.Done Termination: SPT Hammer: N/R, Energy Ratio: N/R

Progress		Samples & In Situ Testing			Strata Details			Groundwater	
Window Run	Depth	Sample ID	Test Result	Level (mAOD)	Depth (m) (Thickness)	Legend	Strata Description	Water Strike	Backfill/ Installation
	0.00	D1					MADE GROUND - Black crushed coke fill (stock yard 'carpet')		
	0.30	D2		63.66	0.25		MADE GROUND - Mixed fill of crushed brick, sandstone and mudstone gravels and occasional coal, coke, and clinker.		
	0.50	D3							
	0.50	ES4							
	1.00	ES6	SPT(S) 1.00m, N=7					1	
	1.00 - 1.45	SPTLS 5	(1,0/1,2,2,2)						
	1.50	D7			(2.45)				
	2.00 - 2.45	SPTLS 8	SPT(S) 2.00m, N=8					2	
			(1,1/2,2,2,2)						
	3.00 - 3.45	SPTLS 9	SPT(S) 3.00m, N=18	61.21 61.11 60.91 60.91	2.70 2.80 3.00		Dense, orange gravelly SAND. Gravel is fine to coarse, sub-angular to angular of sandstone. Weak, orange fine to medium SANDSTONE. Window sample refused at 3.0m bgl on sandstone. SPT advanced to 4.0m bgl.	3	
	4.00 - 4.20	SPTLS 10	SPT(S) 4.00m, 4 (71 for 140mm/4,...)					4	
							End of Borehole at 4.200m		
								5	
								6	
								7	
								8	
								9	
								10	

Progress by Time					Borehole Diameter		Casing Diameter		Remarks: Backfilled with gravel and bentonite. slotted and plain pipe installed with stand up cover.					
Date	Time	Depth (m)	Casing (m)	Water (m)	Depth (m)	Dia (mm)	Depth (m)	Dia (mm)						
28-04-2015	00:00	1.00	1.00											
28-04-2015	01:00	2.00	2.00											
28-04-2015	02:00	3.00	2.00											
28-04-2015	03:00	4.00	2.00											
					Plant Information				Water Strikes					
					Hammer Mass (kg)		Falling Height (mm)		Strike (m)	Casing (m)	Sealed (m)	Time (mins)	Rose to (m)	Remarks
					63.5		760					0		
					SPT String Length (m)		Test Type							
					13.0		DPSH 'B'							

	Contract Name: Monckton Production Facility				Client: Hargreaves Ltd c/o Patrick Parsons Ltd			Borehole ID: WS5																																																																																																							
	Contract Number: G151311		Date Started: 28/04/2015		Date Completed: 28/04/2015		Logged: IMC	Checked: AP	Status: PRELIM																																																																																																						
	Easting: 437481.8		Northing: 412228.2		Ground Level: 65.19m (OD)		Plant Used: Competitor Dart 351		Print Date: 17/08/2015																																																																																																						
Dynamic Sample Borehole Log								Sheet 1 of 1																																																																																																							
Weather: Showers		Rig Crew: K.Done		Termination:		SPT Hammer: N/R, Energy Ratio: N/R		Scale: 1:50																																																																																																							
Progress		Samples & In Situ Testing			Strata Details				Groundwater																																																																																																						
Window Run	Depth	Sample ID	Test Result	Level (mAOD)	Depth (m) (Thickness)	Legerid	Strata Description	Water Strikes	Backfill/ Installation																																																																																																						
	0.00	D1					MADE GROUND - Black crushed coke fill with coal and ash. (Stockyard 'Carpet').																																																																																																								
	0.30	D2			(0.50)																																																																																																										
	0.50	D3		64.69	0.50																																																																																																										
	0.50	ES4					MADE GROUND - Reworked light grey crushed mudstone fill with fine to coarse sand and fine to to medium sub-angular to angular gravel of mudstone and occasional sandstone.																																																																																																								
	1.00	D6	SPT(S) 1.00m, N=18 (3,5/5,4,4,5)					1																																																																																																							
	1.00	ES7			(1.50)																																																																																																										
	1.00 - 1.45	SPTLS 5																																																																																																													
	1.50	D8																																																																																																													
	2.00	D10	SPT(S) 2.00m, N=17 (3,3/4,4,4,5)	63.19	2.00		MADE GROUND - Reworked reddish brown sandy gravelly clay fill. Sand is fine to coarse, gravel is fine to medium, sub-angular to angular of sandstone and mudstone. Occasional embedded coal, coke and brick fragments.	2																																																																																																							
	2.00	ES11																																																																																																													
	2.00 - 2.45	SPTLS 9																																																																																																													
	2.50	D12			(1.70)																																																																																																										
	3.00	D14	SPT(S) 3.00m, N=26 (5,5/5,6,7,8)					3																																																																																																							
	3.00	ES15																																																																																																													
	3.00 - 3.45	SPTLS 13																																																																																																													
	4.00	D17	SPT(S) 4.00m, 50 (25 for 135mm/50 for 275mm)	61.49	3.70 (0.30)		Light orangish grey weak MUDSTONE.																																																																																																								
	4.00 - 4.20	SPTLS 16		61.19	4.00			4																																																																																																							
							End of Borehole at 4.200m																																																																																																								
								5																																																																																																							
								6																																																																																																							
								7																																																																																																							
								8																																																																																																							
								9																																																																																																							
								10																																																																																																							
<table border="1"> <tr> <th colspan="5">Progress by Time</th> <th colspan="2">Borehole Diameter</th> <th colspan="2">Casing Diameter</th> <th rowspan="5">Remarks:</th> </tr> <tr> <th>Date</th> <th>Time</th> <th>Depth (m)</th> <th>Casing (m)</th> <th>Water (m)</th> <th>Depth (m)</th> <th>Dia (mm)</th> <th>Depth (m)</th> <th>Dia (mm)</th> </tr> <tr> <td>28-04-2015</td> <td>00:00</td> <td>1.00</td> <td>1.00</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>28-04-2015</td> <td>01:00</td> <td>2.00</td> <td>1.00</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>28-04-2015</td> <td>02:00</td> <td>3.00</td> <td>1.00</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>28-04-2015</td> <td>03:00</td> <td>4.00</td> <td>1.00</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="9"> <table border="1"> <tr> <th colspan="2">Plant Information</th> <th colspan="4">Water Strikes</th> </tr> <tr> <th>Hammer Mass (kg)</th> <th>Falling Height (mm)</th> <th>Strike (m)</th> <th>Casing (m)</th> <th>Sealed (m)</th> <th>Time (mins)</th> <th>Rose to (m)</th> <th>Remarks</th> </tr> <tr> <td>63.5</td> <td>760</td> <td>2.90</td> <td></td> <td></td> <td>0 20</td> <td>2.90</td> <td></td> </tr> <tr> <td colspan="2">SPT String Length (m)</td> <td colspan="2">Test Type</td> <td colspan="4"></td> </tr> <tr> <td colspan="2">13.0</td> <td colspan="2">DPSH 'B'</td> <td colspan="4"></td> </tr> </table> </td> </tr> </table>										Progress by Time					Borehole Diameter		Casing Diameter		Remarks:	Date	Time	Depth (m)	Casing (m)	Water (m)	Depth (m)	Dia (mm)	Depth (m)	Dia (mm)	28-04-2015	00:00	1.00	1.00						28-04-2015	01:00	2.00	1.00						28-04-2015	02:00	3.00	1.00						28-04-2015	03:00	4.00	1.00						<table border="1"> <tr> <th colspan="2">Plant Information</th> <th colspan="4">Water Strikes</th> </tr> <tr> <th>Hammer Mass (kg)</th> <th>Falling Height (mm)</th> <th>Strike (m)</th> <th>Casing (m)</th> <th>Sealed (m)</th> <th>Time (mins)</th> <th>Rose to (m)</th> <th>Remarks</th> </tr> <tr> <td>63.5</td> <td>760</td> <td>2.90</td> <td></td> <td></td> <td>0 20</td> <td>2.90</td> <td></td> </tr> <tr> <td colspan="2">SPT String Length (m)</td> <td colspan="2">Test Type</td> <td colspan="4"></td> </tr> <tr> <td colspan="2">13.0</td> <td colspan="2">DPSH 'B'</td> <td colspan="4"></td> </tr> </table>									Plant Information		Water Strikes				Hammer Mass (kg)	Falling Height (mm)	Strike (m)	Casing (m)	Sealed (m)	Time (mins)	Rose to (m)	Remarks	63.5	760	2.90			0 20	2.90		SPT String Length (m)		Test Type						13.0		DPSH 'B'					
Progress by Time					Borehole Diameter		Casing Diameter		Remarks:																																																																																																						
Date	Time	Depth (m)	Casing (m)	Water (m)	Depth (m)	Dia (mm)	Depth (m)	Dia (mm)																																																																																																							
28-04-2015	00:00	1.00	1.00																																																																																																												
28-04-2015	01:00	2.00	1.00																																																																																																												
28-04-2015	02:00	3.00	1.00																																																																																																												
28-04-2015	03:00	4.00	1.00																																																																																																												
<table border="1"> <tr> <th colspan="2">Plant Information</th> <th colspan="4">Water Strikes</th> </tr> <tr> <th>Hammer Mass (kg)</th> <th>Falling Height (mm)</th> <th>Strike (m)</th> <th>Casing (m)</th> <th>Sealed (m)</th> <th>Time (mins)</th> <th>Rose to (m)</th> <th>Remarks</th> </tr> <tr> <td>63.5</td> <td>760</td> <td>2.90</td> <td></td> <td></td> <td>0 20</td> <td>2.90</td> <td></td> </tr> <tr> <td colspan="2">SPT String Length (m)</td> <td colspan="2">Test Type</td> <td colspan="4"></td> </tr> <tr> <td colspan="2">13.0</td> <td colspan="2">DPSH 'B'</td> <td colspan="4"></td> </tr> </table>									Plant Information		Water Strikes				Hammer Mass (kg)	Falling Height (mm)	Strike (m)	Casing (m)	Sealed (m)	Time (mins)	Rose to (m)	Remarks	63.5	760	2.90			0 20	2.90		SPT String Length (m)		Test Type						13.0		DPSH 'B'																																																																						
Plant Information		Water Strikes																																																																																																													
Hammer Mass (kg)	Falling Height (mm)	Strike (m)	Casing (m)	Sealed (m)	Time (mins)	Rose to (m)	Remarks																																																																																																								
63.5	760	2.90			0 20	2.90																																																																																																									
SPT String Length (m)		Test Type																																																																																																													
13.0		DPSH 'B'																																																																																																													





Contract Name:
Monckton Production Facility

Client:
Hargreaves Ltd c/o Patrick Parsons Ltd

Borehole ID:

WS7

Contract Number:
G151311

Date Started:
06/05/2015

Date Completed:
06/05/2015

Logged:
IMC

Checked:
AP

Status:
PRELIM

Sheet 1 of 1

Dynamic Sample
Borehole Log

Easting:
437449.2

Northing:
411838.6

Ground Level:
61.99m (OD)

Plant Used:
Competitor Dart
351

Print Date:
17/08/2015

Scale:
1:50

Weather:

Rig Crew: K.Done,
G.Griffiths

Termination:

SPT Hammer: N/R, Energy Ratio: N/R

Progress

Samples & In Situ Testing

Strata Details

Groundwater

Window Run

Depth

Sample ID

Test Result

Level
(mAOD)

Depth (m)
(Thickness)

Legend

Strata Description

Water
Strike

Backfill/
Installation

0.30

ES1

61.89

0.10
(0.30)

MADE GROUND - Crushed, compacted dark
grey/black coal, ash and coke fill.

0.50

D2

61.59

0.40

MADE GROUND - Reworked sandy gravelly
clay fill with embedded brick, coal, coke and
ash.

0.70

3

Orangish brown firm sandy CLAY.

1.00

D5

SPT(S) 1.00m, N=25
(5,5/5,6,7,7)

1.00 - 1.45

SPTLS
4

1.50

ES6

2.00

D8

SPT(S) 2.00m, N=29
(6,7/7,7,7,8)

2.00 - 2.45

SPTLS
7

2.50

ES9

(3.90)

3.00

D11

SPT(S) 3.00m, N=41
(8,8/9,10,10,12)

3.00 - 3.45

SPTLS
10

3.50

ES12

4.00

D14

SPT(S) 4.00m, 50 (24 for
95mm/50 for 265mm)

4.00 - 4.45

SPTLS
13

4.50

ES15

57.69

4.30

Stiff, orangish brown mottled grey slightly sandy
CLAY.

56.99

5.00

End of Borehole at 5.000m

Progress by Time

Borehole Diameter

Casing Diameter

Remarks:

Date

Time

Depth (m)

Casing (m)

Water (m)

Depth (m)

Dia (mm)

Depth (m)

Dia (mm)

Backfilled with gravel and bentonite, slotted and plain pipe installed with
stand up cover.

06-05-2015

00:00

1.00

1.00

06-05-2015

01:00

2.00

1.00

06-05-2015

02:00

3.00

1.00

11-05-2015

03:00

4.00

1.00

3.80

Plant Information

Water Strikes

Hammer Mass (kg)

Falling Height (mm)

Strike (m) Casing (m) Sealed (m) Time (mins) Rose to (m) Remarks

63.5

760

3.80

0

20

3.80

SPT String Length (m)

Test Type

13.0

DPSH 'B'