

Contract:		Client:		Borehole:	
HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Homes England		BH103	
Contract Ref:	Start: 15.04.19	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:	
562943	End: 17.04.19	26.33	E:531153.7 N:120700.4	2 of 6	

Mechanical Log				Flush Returns & Details	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	TCR (%)	SCR (%)	RQD (%)		No	Type	Results					
9.00-9.15	100	97	93		208	C				Extremely weak to very weak thinly laminated mainly grey with brown MUDSTONE with rare very thin beds of very weak siltstone up to 15mm. Discontinuities are 5 to 45 degree closely to medium spaced undulating rough partially open infilled with smears of light grey or brown clay (up to 2mm). (Weathering Class B WEALD CLAY FORMATION)	9.90	
9.20-10.70	↑	↑	↑	180	13	SPT(c)	20,5/40,10 for 14mm					
9.20-9.38	↑	↑	↑	270								
9.63-9.88	↑	↑	↑	400	209	C				(Partially weathered WEALD CLAY FORMATION) ... between 5.77m and 5.79m, very thin bed of siltstone. ... between 7.67 and 7.70m, extremely weak to very weak mudstone with occasional thin laminae of fine sandstone. ... between 8.62m and 8.65m, light brown thin bed of siltstone.	(2.10)	
	100	97	93	60% return Water								
	↑	↑	↑									
10.70-12.20	↑	↑	↑							Extremely weak to very weak thinly laminated grey MUDSTONE with rare very thin beds of very weak siltstone up to 60mm. Discontinuities are subhorizontal closely to medium spaced undulating rough partly open to open infilled with grey clay or clean.	12.00	
11.00-11.27	↑	↑	↑	300 NI 430	210	C						
	100	95	89	60% return Water								
12.20-13.70	↑	↑	↑							(Unweathered WEALD CLAY FORMATION) (stratum copied from 7.50m from previous sheet) ... between 9.15 and 9.20m, very thin bed of fine grained sandstone.	(1.10)	
12.20-12.36	↑	↑	↑		14	SPT(c)	23,2/48,2 for 2mm					
12.58-12.92	↑	↑	↑		211	C						
	100	75	59	60% return Water						Very weak thinly laminated grey MUDSTONE interlaminated with thin laminae of fine grained SANDSTONE. Discontinuities are subhorizontal extremeley closely spaced to medium spaced undulating rough partially open with grey smears of clay or clean. (Unweathered WEALD CLAY FORMATION) ... Thinly bedded fine to medium grained sandstone.	13.10	
	↑	↑	↑	60 NI 130								
13.60-13.70	↑	↑	↑		212	C						
13.70-15.20	↑	↑	↑							(1.05)	13.80	
13.95-14.12	↑	↑	↑	140 330 410	213	C						
	94	83	72	60% return Water								
14.85-14.97	↑	↑	↑	100 150 200	214	C					14.85	
	↑	↑	↑									
	↑	↑	↑									

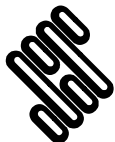
Drilling Progress and Water Observations						General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth		
						5. 50mm diameter HDPE groundwater monitoring pipe installed to 12.0m depth (reponse zone 3.0m-12.0m) and 19mm HDPE gas monitoirng pipe installed to 2.50m depth (response zone 1.0m-2.50m) on completion with concreted flush cover. 6. SPT hammer AR1551-2019 ($E_r = 62.00\%$) used.	
All dimensions in metres						Scale:	1:50
Method Used:	Inspection pit + Rotary coring		Plant Used:	Comacchio GEO 205		Drilled By:	G Haddock
						Logged By:	BSaimen
						Checked By:	
							AGS



Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Borehole: BH103	
Contract Ref: 562943		Start: 15.04.19	Ground Level (m AOD): 26.33	National Grid Co-ordinate: E:531153.7 N:120700.4	Sheet: 3 of 6
End: 17.04.19					

Mechanical Log					Flush Returns & Details	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	TCR (%)	SCR (%)	RQD (%)	If (mm)		No	Type	Results					
											... between 11.43 and 11.53m, very thin bed of grey fine sandstone with occasional mudstone. ... between 11.68 and 11.71m, very thin bed of sandstone up to 30mm. Extremely weak to very weak thinly laminated grey MUDSTONE with frequent thin laminae of fine grained sandstone. Bedding is subhorizontal. (Unweathered WEALD CLAY FORMATION) Very weak thinly laminated grey fine to medium grained SANDSTONE with frequent thin laminae of lignite. Discontinuities are subhorizontal very closely to closely spaced undulating rough partially open to open clean or infilled with fine to medium sand. (Unweathered WEALD CLAY FORMATION) Extremely weak to very weak thinly laminated grey MUDSTONE with frequent thin laminae of fine grained sandstone. Discontinuities are subhorizontal closely to medium spaced undulating rough clean or smears of clay (up to 1mm). (Unweathered WEALD CLAY FORMATION) Very weak thinly laminated grey fine to medium grained SANDSTONE with frequent thin laminae of lignite / grey mudstone. Bedding is subhorizontal. (Unweathered WEALD CLAY FORMATION) Borehole terminated at 15.20m depth.		

Drilling Progress and Water Observations						General Remarks							
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth								
						All dimensions in metres		Scale:	1:50				
Method Used:	Inspection pit + Rotary coring		Plant Used:	Comacchio GEO 205		Drilled By:	G Haddock		Logged By:	BSaimen	Checked By:		AGS



Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Borehole: BH103
Contract Ref: 562943	Start: 15.04.19 End: 17.04.19	Ground Level (m AOD): 26.33	National Grid Co-ordinate: E:531153.7 N:120700.4	Sheet: 4 of 6

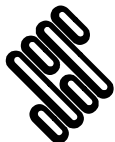
Additional Remarks

BH103 1.80m-3.00m



BH103 3.00m-5.00m

Method Used: Inspection pit + Rotary coring	Plant Used: Comacchio GEO 205	Drilled By: G Haddock	Logged By: BSaimen	Checked By:	
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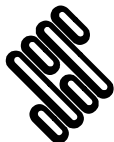
Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Borehole: BH103
Contract Ref: 562943	Start: 15.04.19 End: 17.04.19	Ground Level (m AOD): 26.33	National Grid Co-ordinate: E:531153.7 N:120700.4	Sheet: 5 of 6

BH103 5.00m-7.70m



BH103 7.70m-10.70m

Method Used: Inspection pit + Rotary coring	Plant Used: Comacchio GEO 205	Drilled By: G Haddock	Logged By: BSaimen	Checked By:	
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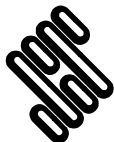
Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Borehole: BH103
Contract Ref: 562943	Start: 15.04.19 End: 17.04.19	Ground Level (m AOD): 26.33	National Grid Co-ordinate: E:531153.7 N:120700.4	Sheet: 6 of 6

BH103 10.70m-13.70m



BH103 13.70m-15.20m

Method Used:	Inspection pit + Rotary coring	Plant Used:	Comacchio GEO 205	Drilled By:	G Haddock	Logged By:	BSaimen	Checked By:	AGS
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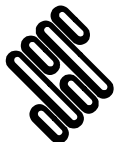


STRUCTURAL SOILS

BOREHOLE LOG

Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Borehole: BH105	
Contract Ref: 562943	Start: 10.04.19	Ground Level (m AOD): 32.28	National Grid Co-ordinate: E:531478.3 N:120716.2	Sheet: 1 of 5	
End: 12.04.19					

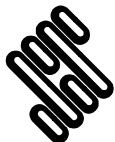
Mechanical Log					Flush Returns & Details	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	TCR (%)	SCR (%)	RQD (%)	If (mm)		No	Type	Results					
0.10-0.30					1	B					Grass over soft to firm friable thinly laminated orangish brown mottled grey slightly sandy silty CLAY. Sand is fine. (TOPSOIL)	(1.20)	
0.40-0.70					2	B						1.20	
1.20-1.70	↑				3	SPT	2,7/11,14,17,8 for 15mm				Assessed Zone of Core Loss	(1.00)	
1.20-1.59	100												
2.00-3.00	↑				5	SPT	11,14/20,27,3 for 3mm				Very stiff friable thinly laminated orangish brown mottled grey slightly sandy silty CLAY. Sand is fine. Laminations are stained dark orangish brown. (Destructured Mudstone) (Residual soil WEALD CLAY FORMATION)	2.20	
2.00-2.30												100% return Water	
2.20-2.50	40					B						(0.50)	
3.00-4.00	↓				6	SPT	5,7/8,18,24 for 41mm				Assessed Zone of Core Loss	3.00	
3.00-3.34													
3.70-4.00	110					C						(2.20)	
4.00-5.00	↑				7	SPT	5,5/12,38 for 60mm				Stiff to very stiff thinly laminated grey mottled orangish brown silty CLAY with occasional bands of angular to subangular fine to medium gravel of SILTSTONE. Gravel surfaces are stained dark orangish brown. (Destructured Mudstone) (Destructured WEALD CLAY FORMATION)	(2.20)	
4.00-4.29													
5.00-6.30	↓				8	SPT	3,20/50 for 62mm				. . . Between 4.60 and 5.00 m zone of core loss.	5.20	
5.00-5.21													
5.20-5.50	96	92	62			D							
5.80-6.10						C							
6.30-7.60	↓	↓	↓		9	SPT(c)	17,8/39,11 for 12mm				(Unweathered WEALD CLAY FORMATION)	(3.10)	
6.30-6.49													
7.00-7.30	91	91	72			C							
7.60-8.90	↓	↓	↓		10	SPT(c)	2,3/9,41 for 47mm					8.30	
7.60-7.87													
8.50-8.90	77	62	36			D					Description on next sheet	(1.00)	
	↓	↓	↓										



Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI			Client: Homes England		Borehole: BH105
Contract Ref: 562943	Start: 10.04.19 End: 12.04.19	Ground Level (m AOD): 32.28	National Grid Co-ordinate: E:531478.3 N:120716.2		Sheet: 2 of 5

Mechanical Log				Flush Returns & Details	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	TCR (%)	SCR (%)	RQD (%)		No	Type	Results					
8.90-10.40 8.90-9.02 9.35-9.70	91 91 91	84 84 84	79 79 79		11	SPT(c) C	23,2/50 for 39mm 			Weak grey mottled light grey fine grained SANDSTONE. Discontinuities are subhorizontal planar undulating probably open and occasionally infilled with fine subrounded sandy gravel of sandstone. Sand is fine. (Unweathered WEALD CLAY FORMATION) (stratum copied from 8.30m from previous sheet)	9.30 (1.90)	
10.40-11.90 10.40-10.50 10.55-10.85				100% return Water	12	SPT(c) C	25/50 for 41mm 			Very weak thinly laminated grey MUDSTONE. Discontinuities are subhorizontal medium spaced planar smooth probably tight and clean. (Unweathered WEALD CLAY FORMATION)	11.20	
11.55-11.85 11.90-13.40 11.90-12.03					13	SPT(c) D	25/46,4 for 5mm 			Weak grey thinly laminated fine grained SANDSTONE with frequent black laminations of possible lignite. Discontinuities are subhorizontal closely to medium spaced planar undulating probably partly open and occasionally infilled with coarse sand and fine gravel of sandstone. Discontinuities are occasionally stained orangish brown. (Unweathered WEALD CLAY FORMATION)	12.00 (0.50)	
12.10-12.40 12.60-12.85 13.40-14.90 13.40-13.53				100% return Water	14	SPT(c) D	25/48,2 for 2mm 			Very weak thinly laminated grey MUDSTONE. Discontinuities are subhorizontal medium spaced planar smooth probably tight and clean. (Unweathered WEALD CLAY FORMATION)	12.50 (1.75)	
13.50-13.80 14.50-14.80	100 100	96 96	48 48	100% return Water		D D				Weak grey thinly laminated fine grained SANDSTONE with frequent black laminations of possible lignite. Discontinuities are subhorizontal closely spaced planar undulating probably partly open and occasionally infilled with coarse sand and fine gravel of sandstone. Discontinuities are occasionally stained orangish brown. (Unweathered WEALD CLAY FORMATION)	14.25 (0.65)	
										Very weak thinly laminated grey MUDSTONE. Discontinuities are subhorizontal medium spaced planar smooth probably tight and clean. (Unweathered WEALD CLAY FORMATION)	14.90	
										Borehole terminated at 14.90m depth.		

Drilling Progress and Water Observations						General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth		
						5. 50mm diameter HDPE groundwater monitoring pipe installed to 9.0m depth (reponse zone 3.0m-9.0m) and 19mm HDPE gas monitoirng pipe installed to 2.50m depth (response zone 1.0m-2.50m) on completion with concreted flush cover. 6. SPT hammer AR1551-2019 ($E_r = 62.00\%$) used.	
All dimensions in metres						Scale:	1:50
Method Used:	Inspection pit + Rotary coring		Plant Used:	Comacchio MC300		Drilled By:	G Haddock
						Logged By:	DPellatt
						Checked By:	AGS



Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Borehole: BH105
Contract Ref: 562943	Start: 10.04.19 End: 12.04.19	Ground Level (m AOD): 32.28	National Grid Co-ordinate: E:531478.3 N:120716.2	Sheet: 3 of 5

Additional Remarks

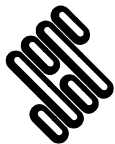
BH105 1.20m-4.00m

10/04/2019:



BH105 4.00m-6.30m

Method Used:	Inspection pit + Rotary coring	Plant Used:	Comacchio MC300	Drilled By:	G Haddock	Logged By:	DPellatt	Checked By:	AGS
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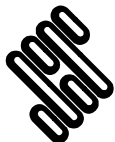
Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Borehole: BH105
Contract Ref: 562943	Start: 10.04.19 End: 12.04.19	Ground Level (m AOD): 32.28	National Grid Co-ordinate: E:531478.3 N:120716.2	Sheet: 4 of 5

BH105 6.30m-8.90m



BH105 8.90m-11.90m

Method Used:	Inspection pit + Rotary coring	Plant Used:	Comacchio MC300	Drilled By:	G Haddock	Logged By:	DPellatt	Checked By:	AGS
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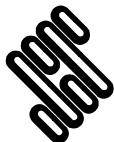


Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Borehole: BH105
Contract Ref: 562943	Start: 10.04.19 End: 12.04.19	Ground Level (m AOD): 32.28	National Grid Co-ordinate: E:531478.3 N:120716.2	Sheet: 5 of 5

BH105 11.90m-14.90m



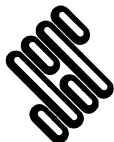
Method Used: Inspection pit + Rotary coring	Plant Used: Comacchio MC300	Drilled By: G Haddock	Logged By: DPellatt	Checked By:	
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Contract:		Client:		Borehole:
HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Homes England		BH106
Contract Ref:	Start: 10.04.19	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
562943	End: 16.04.19	30.88	E:531493.4 N:120897.2	1 of 5

Mechanical Log				Flush Returns & Details	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	TCR (%)	SCR (%)	RQD (%)		No	Type	Results					
0.30-0.40					1	D				Grass over firm becoming stiff pale bluish grey silty CLAY. (TOPSOIL) . . . between 0.40m and 0.80m weathered ironstone.	(1.20)	
0.30-0.40					1	ES	Jx3, Bx2					
0.30-0.80					1	B						
0.50						V	c _r =100/50/100			Very stiff grey mottled orangish brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine of SILTSTONE. (Residual soil WEALD CLAY FORMATION) . . . At 1.45 m upto 20mm band of fine to medium gravel of ironstone. . . . At 1.55 m upto 15mm band of fine to medium gravel of ironstone. . . . At 1.80m horizontal tight orangish brown stained discontinuity filled with fine gravel of ironstone.	1.20	
0.80-0.90					2	D						
1.10-1.20					2	ES	Jx3, Bx2					
1.10-1.20					3	D						
1.20-2.20					1	SPT	N=15					
1.20-1.65						V	c _r =130/130/120					
1.20	100					HP	c _u >200/>200/>20					
1.40						C						
1.90-2.15						D						
2.20-3.50					2	SPT	11,14/22,28 for 40mm					
2.20-2.40						C						
2.50-2.76						C						
2.90-3.10	97				3	SPT	5,20/50 for 15mm					
3.50-5.00						C						
3.50-3.62						C						
3.60-3.90						C						
3.90-4.15	85					C						
						C						
4.70-4.97						D						
5.00-6.50					4	SPT	5,10/20,30 for 15mm					
5.00-5.24						C						
5.70-5.97	98	83	0			C						
6.00-6.25					5	SPT	7,18/24,26 for 40mm					
						C						
6.50-8.00						D						
6.50-6.80						C						
						C						
7.20-7.55	100	97	80			C						
						C						
						C						
8.00-9.50					6	SPT	9,16/31,19 for 20mm					
8.00-8.21						C						
						C						
8.70-9.00						C						

Drilling Progress and Water Observations						General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth		
10/04/19	18:45	5.00	2.50	121	-	1. Service clearance undertaken by DDS Ltd 2. Inspection pit hand dug to 1.20m depth. 3. No noticeable groundwater strike due to using water flush. Standing water noted at 3.80m on 12.04.19 (borehole depth 15.0m). 4. Weathering classifications applied using BS EN ISO 14689:2018 (approach 4). 5. 50mm diameter HDPE groundwater monitoring pipe installed to 9.0m depth	
11/04/19	18:05	14.00	2.50	121	-		
12/04/19	16:00	15.00	2.50	121	3.80		
All dimensions in metres						Scale:	1:50
Method Used: Inspection pit + Rotary coring	Plant Used: Comacchio MC300		Drilled By: Rhymal Ricketts		Logged By: DPellatt	Checked By:	



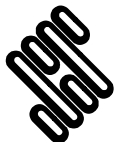
Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Borehole: BH106
Contract Ref: 562943	Start: 10.04.19 End: 16.04.19	Ground Level (m AOD): 30.88	National Grid Co-ordinate: E:531493.4 N:120897.2	Sheet: 2 of 5

Mechanical Log					Flush Returns & Details	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	TCR (%)	SCR (%)	RQD (%)	If (mm)		No	Type	Results					
9.50-11.00 9.50-9.81	83	83	67		100% return	7	SPT	10,14/21,20,9 for 10mm			Very weak to weak thinly laminated grey MUDSTONE. 3 discontinuity sets. 1 (Bedding) very closely to widely spaced horizontal to subhorizontal planar smooth clean and probably tight. 2 & 3 approx. 45° closely to widely spaced planar smooth clean and tight. Sets 2 and 3 are opposed in dip orientation. (Unweathered WEALD CLAY FORMATION) <i>(stratum copied from 6.30m from previous sheet)</i>		
10.00-10.30	98	98	98		100% return		C						
11.00-12.50 11.00-11.21				NI 240 800		8	SPT	17,8/23,27 for 50mm			Between 11.30 and 11.65 recovered as gravelly CLAY.	11.45	
11.60-11.90	100	98	88		100% return		D					(0.50)	
12.15-12.40							C				Weak to medium strong thinly laminated brownish grey MUDSTONE. Discontinuities are subhorizontal very closely to closely spaced horizontal to subhorizontal planar smooth clean and probably tight. (Unweathered WEALD CLAY FORMATION)	11.95	
12.50-14.00													
13.05-13.35	100	93	93		100% return		D				Very weak to weak thinly laminated grey MUDSTONE. 3 discontinuity sets. 1 (Bedding) horizontal to subhorizontal very closely to widely spaced planar smooth clean and probably tight. 2 & 3 approx. 45° closely to widely spaced planar smooth clean and tight. Sets 2 and 3 are opposed in dip orientation. (Unweathered WEALD CLAY FORMATION)	(2.70)	
14.00-15.00 14.00-14.21	122	122	22	NI 254	100% return	9	SPT	21,4/27,23 for 60mm				14.65	
14.80-15.00							D				Between 14.50 and 14.90 recovered as clayey GRAVEL.	(0.55)	
												15.20	
											Weak to medium strong thinly laminated brownish grey MUDSTONE. (Unweathered WEALD CLAY FORMATION) Borehole terminated at 15.20m.		

Drilling Progress and Water Observations						General Remarks						
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth							
						(reponse zone 3.0m-9.0m) and 19mm HDPE gas monitoirng pipe installed to 1.50m depth (response zone 0.50m-1.50m) on completion with concreted flush cover. 6. SPT hammer CJA.8-2018 (E_r = 65.00%) used.						
						All dimensions in metres		Scale: 1:50				
Method Used:	Inspection pit + Rotary coring			Plant Used:	Comacchio MC300		Drilled By:	Rhymal Ricketts	Logged By:	DPellatt	Checked By:	



GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 ProjVersion: v8_07 | Log ROTARY CORED LOG - A4P | 562943_HE_NORTH_ARC_BURGESS_HILL_FREES_FARM&LINK_ROAD_GI.GPJ - v8_07.
| 11/06/19 - 10:47 | SG8 |



Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Borehole: BH106
Contract Ref: 562943	Start: 10.04.19 End: 16.04.19	Ground Level (m AOD): 30.88	National Grid Co-ordinate: E:531493.4 N:120897.2	Sheet: 3 of 5

Additional Remarks

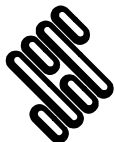
BH106 1.20m-3.50m

16/04/2019:



BH106 3.50m-6.50m

Method Used:	Inspection pit + Rotary coring	Plant Used:	Comacchio MC300	Drilled By:	Rhymal Ricketts	Logged By:	DPellatt	Checked By:	AGS
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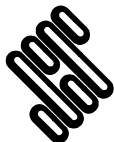
Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Borehole: BH106
Contract Ref: 562943	Start: 10.04.19 End: 16.04.19	Ground Level (m AOD): 30.88	National Grid Co-ordinate: E:531493.4 N:120897.2	Sheet: 4 of 5

BH106 6.50m-9.50m



BH106 9.50m-12.50m

Method Used:	Inspection pit + Rotary coring	Plant Used:	Comacchio MC300	Drilled By:	Rhymal Ricketts	Logged By:	DPellatt	Checked By:	AGS
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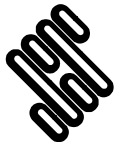


Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Borehole: BH106
Contract Ref: 562943	Start: 10.04.19 End: 16.04.19	Ground Level (m AOD): 30.88	National Grid Co-ordinate: E:531493.4 N:120897.2	Sheet: 5 of 5

BH106 12.50m-15.00m

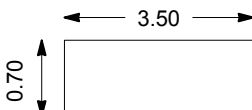


Method Used: Inspection pit + Rotary coring	Plant Used: Comacchio MC300	Drilled By: Rhymal Ricketts	Logged By: DPellatt	Checked By:	
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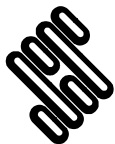


Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP101	
Contract Ref: 562943	Start: 11.04.19 End: 11.04.19	Ground Level (m AOD): 29.89	National Grid Co-ordinate: E:531353.4 N:120290.5	Sheet: 1 of 4	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend				
Depth	No	Type	Results									
0.00-0.30	1	B	0.2ppm			Grass over soft to firm light brown slightly sandy clayey SILT with frequent rootlets. Sand is fine to coarse. (TOPSOIL)	(0.30)					
0.20	2	D				Firm yellowish grey mottled orange and brown slightly sandy silty CLAY. With occasional pockets of silt (up to 30mm). Sand is fine to coarse. (WEALD CLAY FORMATION)	0.30					
0.20-0.30	3	ES					(0.70)					
0.20		PID	0.4ppm c _u =98/100/98									
0.30-0.80	4	B										
0.30	5	D										
0.30-0.40	6	ES										
0.30		PID	1.00									
0.40		V										
0.80	7	D										
1.00	10	D	0.2ppm			Firm orangish brown and grey locally stained reddish brown extremely weak thinly laminated (<3mm) sandy silty MUDSTONE. Sand is fine to coarse. (WEALD CLAY FORMATION)	1.00					
1.00-1.20	9	B					1.20					
1.10-1.20	20	ES										
1.10		PID	0.0ppm				(0.75)					
1.20	11	B										
1.20	12	D										
1.30-1.40	24	ES	0.0ppm			Reddish brown stained black highly oxidised slightly gravelly sandy clayey SILT. With occasional pockets of bluish grey (up to 40mm) silt. Sand is fine to coarse. Gravel is angular to subangular fine to coarse extremely weak mudstone. (WEALD CLAY FORMATION)	1.95					
1.30		PID										
1.70	13	D										
1.95-2.10	14	B	0.1ppm 0.1ppm			Firm to stiff orangish brown mottled grey and orange locally stained reddish brown partially oxidised slightly gravelly sandy clayey SILT. Sand is fine to coarse. Gravel is subangular to angular fine to coarse mudstone. With occasional partings of bluish grey silt. (WEALD CLAY FORMATION)	2.10					
1.95	15	D					2.30					
2.00-2.10	21	ES										
2.00-2.30	22	ES	0.1ppm 0.1ppm			Extremely weak reddish brown and grey distinctly weathered oxidised sandy silty clayey MUDSTONE. Sand is fine to coarse. (WEALD CLAY FORMATION)	2.40					
2.00		PID										
2.00		PID										
2.10-2.30	16	B				Extremely weak to weak partially weathered grey locally stained reddish brown SILTSTONE / MUDSTONE. Sand is fine to coarse. Some subangular cobbles (85 x 70 x 10mm) excavated. (WEALD CLAY FORMATION)						
2.10	17	D										
2.30-2.40	18	B										
2.30	19	D				Trial pit terminated at 2.40m depth for soakaway test and due to hard ground conditions.						
2.30-2.40	23	ES										

Plan (Not to Scale) 		General Remarks 1. Service clearance undertaken by DDS Ltd. 2. No groundwater encountered during investigation. 3. Pit stable during excavation. 4. Weathering classifications applied using BS EN ISO 14689:2018 (approach 4). 5. Backfilled with arisings upon completion.			
		All dimensions in metres		Scale: 1:25	
		Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By: AGS

G:\LIBRARY_v8_07\GLB LibVersion: v8_07 | Log TRIAL PIT LOG - A4P | 562943_HE_NORTH_ARC_BURGESS_HILL_FREES_FARM&LINK_ROAD_GI.GPJ - v8_07.
| 11/06/19 - 09:56 | SG8 |

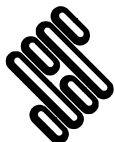


Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP101
Contract Ref: 562943	Start: 11.04.19 End: 11.04.19	Ground Level (m AOD): 29.89	National Grid Co-ordinate: E:531353.4 N:120290.5	Sheet: 2 of 4

TP101



Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:	
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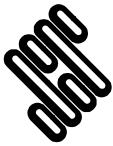
Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP101
Contract Ref: 562943	Start: 11.04.19 End: 11.04.19	Ground Level (m AOD): 29.89	National Grid Co-ordinate: E:531353.4 N:120290.5	Sheet: 3 of 4

TP101: Spoil



GINT_LIBRARY_v8_07.GLB LibVersion: v8_07_001 ProjVersion: v8_07 | Log TRIAL PIT LOG - A4P | 562943_HE_NORTH_ARC_BURGESS_HILL_FREEKS_FARM&LINK_ROAD_GI.GPJ - v8_07.
| 11/06/19 - 09:56 | SG8 |

Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:	
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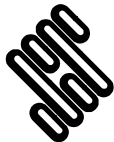


Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP101
Contract Ref: 562943	Start: 11.04.19 End: 11.04.19	Ground Level (m AOD): 29.89	National Grid Co-ordinate: E:531353.4 N:120290.5	Sheet: 4 of 4

TP101: Reinstatement



Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:	
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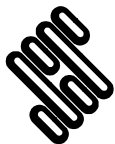


Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP102	
Contract Ref: 562943	Start: 11.04.19 End: 11.04.19	Ground Level (m AOD): 30.72	National Grid Co-ordinate: E:531367.6 N:120315.5	Sheet: 1 of 4	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend	
Depth	No	Type	Results						
0.00-0.25	1	B	0.1ppm 0.2ppm			Grass over soft to firm light brown slightly sandy clayey SILT with frequent rootlets. Sand is fine to coarse. (TOPSOIL)	0.25		
0.10	2	D				Firm yellowish grey and brown locally mottled orange and brown slightly sandy silty CLAY with occasional rootlets. Sand is fine to coarse. (WEALD CLAY FORMATION)	(0.65)		
0.10-0.20	3	ES							
0.10	4	PID							
0.20		PID							
0.30-0.80		B							
0.30	5	D	0.1ppm c _u =82/80/82			0.90			
0.40-0.50	6	ES							
0.40	PID								
0.50		V							
0.80	7	D	Greyish brown locally stained orange and brown slightly gravelly sandy clayey SILT. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of extremely weak mudstone. (WEALD CLAY FORMATION)			0.90			
0.90-1.40	8	B						(0.55)	
0.90	9	D							
1.00-1.10	10	ES							
1.00		PID							
1.45-1.95	11	B	1.2ppm			Extremely weak thinly laminated distinctly partially weathered grey and brown MUDSTONE with partings (<3mm) of silt. (WEALD CLAY FORMATION)	(0.65)		
1.45	12	D							
1.50-1.60	13	ES							
1.50		PID							
1.95	14	D	2.10						
2.10	15	B	0.2ppm			Extremely weak to weak thinly laminated weathered (oxidised) grey and brown stained reddish brown MUDSTONE with rare siltstone lithorelicts. Sand is fine to medium. (WEALD CLAY FORMATION)	(0.30)		
2.10	16	D							
2.20-2.30	17	ES							
2.20		PID							
						Trial pit terminated at 2.40m depth.			

Plan (Not to Scale)		General Remarks			
		1. Service clearance undertaken by DDS Ltd. 2. No groundwater encountered during investigation. 3. Pit stable during excavation. 4. Weathering classifications applied using BS EN ISO 14689:2018 (approach 4). 5. Backfilled with arisings upon completion.			
		All dimensions in metres		Scale: 1:25	
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:		

G:\LIBRARY_V8_07\GLB LibVersion: v8_07 | Log TRIAL PIT LOG - A4P | 562943_HE_NORTH_ARC_BURGESS_HILL_FREEEKS_FARM&LINK_ROAD_GI.GPJ - v8_07.
| 11/06/19 - 09:56 | SG8 |



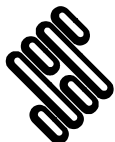
Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP102
Contract Ref: 562943	Start: 11.04.19 End: 11.04.19	Ground Level (m AOD): 30.72	National Grid Co-ordinate: E:531367.6 N:120315.5	Sheet: 2 of 4

TP102: Pit



G:\LIBRARY_V8_07\GLB Lib\Version: v8_07_001 Proj\Version: v8_07 | Log TRIAL PIT LOG - v8_07 | Log TRIAL PIT LOG - A4P | 562943_HE_NORTH_ARC_BURGESS_HILL_FREES_FARM&LINK_ROAD_GI.GPJ - v8_07.
11/06/19 - 09:57 | SG8 |

Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:	
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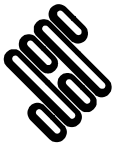


Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP102
Contract Ref: 562943	Start: 11.04.19 End: 11.04.19	Ground Level (m AOD): 30.72	National Grid Co-ordinate: E:531367.6 N:120315.5	Sheet: 3 of 4

TP102: Spoil



Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:	
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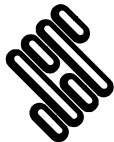


Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP102
Contract Ref: 562943	Start: 11.04.19 End: 11.04.19	Ground Level (m AOD): 30.72	National Grid Co-ordinate: E:531367.6 N:120315.5	Sheet: 4 of 4

TP102: Reinstatement



Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:	
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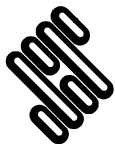


Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP103	
Contract Ref: 562943	Start: 11.04.19 End: 11.04.19	Ground Level (m AOD): 30.31	National Grid Co-ordinate: E:531348.4 N:120391.5	Sheet: 1 of 4	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend
Depth	No	Type	Results					
0.00-0.25	1	B	0.3ppm		Grass over light brown slightly sandy SILT with frequent rootlets (up to 10mm). Sand is fine to medium. (TOPSOIL)	0.25		
0.10-0.20	3	ES						
0.10		PID						
0.25	2	D						
0.30-0.60	4	B	0.1ppm		Firm orangish brown and grey mottled orange and brown sandy slightly gravelly silty CLAY. Sand is fine to coarse. Gravel is angular to subangular fine to medium mudstone. (WEALD CLAY FORMATION)	(0.35)		
0.30	5	D						
0.40-0.50	6	ES						
0.40		PID						
0.60-1.10	7	B	0.1ppm		Soft to firm grey and brown locally stained reddish brown gravelly sandy clayey SILT. Sand is fine to coarse. Gravel is angular to subangular fine to coarse extremely weak mudstone. (WEALD CLAY FORMATION)	(0.50)		
0.60	8	D						
0.70-0.80	9	ES						
0.70		PID						
1.10-1.50	10	B	0.1ppm		Soft to firm thinly laminated brown and grey mottled orange and brown slightly sandy silty CLAY with occasional angular fine to coarse mudstone. Sand is fine to coarse. (WEALD CLAY FORMATION)	(0.40)		
1.10	11	D						
1.20-1.30	12	ES						
1.20		PID						
1.50-2.00	13	B	0.1ppm		Extremely weak thinly laminated partially weathered grey and brown stained reddish brown MUDSTONE. (WEALD CLAY FORMATION)	(1.10)		
1.50	14	D						
1.60-1.70	15	ES						
1.60		PID						
2.00	16	D			. . . from 2.20m to 2.60m becomes extremely weak to weak heavily iron stained with high subangular cobble content (<90mm x 85mm x 110mm).			
2.50	17	D						
					Trial pit terminated at 2.60m depth.			

Plan (Not to Scale)		General Remarks			
		1. Service clearance undertaken by DDS Ltd. 2. No groundwater encountered during investigation. 3. Pit stable during excavation. 4. Weathering classifications applied using BS EN ISO 14689:2018 (approach 4). 5. Backfilled with arisings upon completion.			
		All dimensions in metres		Scale: 1:25	
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:		

G:\NT_LIBRARY_V8_07\GLB Lib\Version: v8_07 | Log TRIAL PIT LOG - A4P | 562943_HE_NORTH_ARC_BURGESS_HILL_FREEEKS_FARM&LINK_ROAD_GI.GPJ - v8_07.
| 11/06/19 - 09:57 | SG8 |

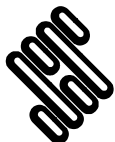


Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP103
Contract Ref: 562943	Start: 11.04.19 End: 11.04.19	Ground Level (m AOD): 30.31	National Grid Co-ordinate: E:531348.4 N:120391.5	Sheet: 2 of 4

TP103: Pit



Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:	
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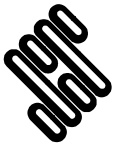
Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP103
Contract Ref: 562943	Start: 11.04.19 End: 11.04.19	Ground Level (m AOD): 30.31	National Grid Co-ordinate: E:531348.4 N:120391.5	Sheet: 3 of 4

TP103: Spoil



GINT_LIBRARY_v8_07.GLB LibVersion: v8_07_001 ProjVersion: v8_07 | Log TRIAL PIT LOG - A4P | 562943_HE_NORTH_ARC_BURGESS_HILL_FREEKS_FARM&LINK_ROAD_GI.GPJ - v8_07.
| 11/06/19 - 09:57 | SG8 |

Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:	
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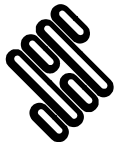


Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP103
Contract Ref: 562943	Start: 11.04.19 End: 11.04.19	Ground Level (m AOD): 30.31	National Grid Co-ordinate: E:531348.4 N:120391.5	Sheet: 4 of 4

TP103: Reinstatement



Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:	
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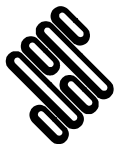


Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP104	
Contract Ref: 562943	Start: 10.04.19 End: 10.04.19	Ground Level (m AOD): 25.83	National Grid Co-ordinate: E:531340.2 N:120576.5	Sheet: 1 of 4	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend				
Depth	No	Type	Results									
0.00-0.30	1	B	0.3ppm			Grass over soft to firm light brown slightly sandy SILT with frequent rootlets (<3mm diameter). Sand is fine to medium. (TOPSOIL)	(0.30)					
0.20	2	D				Firm greyish brown mottled orange and brown slightly sandy silty CLAY. Sand is fine to medium. (WEALD CLAY FORMATION)	0.30					
0.20-0.30	3	ES					(0.90)					
0.20		PID										
0.30-0.80	4	B										
0.30	5	D	0.2ppm c _u =80/88/80									
0.30-0.40	6	ES										
0.30		PID										
0.60		V	0.2ppm			Firm greyish brown mottled orange and brown sandy clayey SILT with rare fragments of sandstone. Sand is fine to coarse. (WEALD CLAY FORMATION)	1.20					
0.80	8	D					(0.50)					
1.20	10	D										
1.20-1.70	9	B										
1.30		PID										
1.70-2.00	11	B				Grey and orange locally stained reddish brown sandy gravelly SILT. Sand is fine to coarse. Gravel is subangular to angular fine to coarse sandstone with rare fragments of mudstone. (WEALD CLAY FORMATION)	1.70					
1.70	12	D					(0.30)					
2.00-2.50	13	B										
2.00	14	D										
2.50	15	D										
						Extremely weak to weak reddish brown and orange and grey partially weathered MUDSTONE recovered as sandy slightly silty subangular fine to coarse gravel of mudstone. (WEALD CLAY FORMATION)	(0.85)					
							2.85					
						Trial pit terminated at 2.85m depth.						

Plan (Not to Scale)		General Remarks			
		1. Service clearance undertaken by DDS Ltd. 2. No groundwater encountered during investigation. 3. Pit stable during excavation. 4. Weathering classifications applied using BS EN ISO 14689:2018 (approach 4). 5. Backfilled with arisings upon completion.			
		All dimensions in metres		Scale:	1:25
Method Used:	Machine dug	Plant Used:	13 Ton Tracked Excavator	Logged By:	O Jinadu
				Checked By:	

G:\NT_LIBRARY_V8_07\GLB Lib\Version: v8_07 | Log TRIAL PIT LOG - A4P | 562943_HE_NORTH_ARC_BURGESS_HILL_FREES_FARM&LINK_ROAD_GI.GPJ - v8_07.
| 11/06/19 - 09:58 | SG8 |

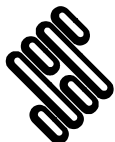


Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP104
Contract Ref: 562943	Start: 10.04.19 End: 10.04.19	Ground Level (m AOD): 25.83	National Grid Co-ordinate: E:531340.2 N:120576.5	Sheet: 2 of 4

TP104: Pit



Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:	AGS
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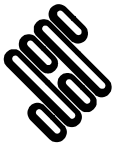


Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP104
Contract Ref: 562943	Start: 10.04.19 End: 10.04.19	Ground Level (m AOD): 25.83	National Grid Co-ordinate: E:531340.2 N:120576.5	Sheet: 3 of 4

TP104: Spoil



Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:	
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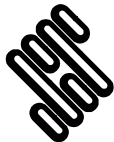


Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP104
Contract Ref: 562943	Start: 10.04.19 End: 10.04.19	Ground Level (m AOD): 25.83	National Grid Co-ordinate: E:531340.2 N:120576.5	Sheet: 4 of 4

TP104: Reinstatement



Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:	
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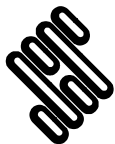


Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP105
Contract Ref: 562943	Start: 10.04.19 End: 10.04.19	Ground Level (m AOD): 27.32	National Grid Co-ordinate: E:531330.5 N:120653.9	Sheet: 1 of 4

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend
Depth	No	Type	Results					
0.00-0.35	1	B				Grass over soft to firm light brown slightly sandy clayey SILT with frequent rootlets (3 x 5mm). Sand is fine to coarse. (TOPSOIL)	(0.35)	
0.20	2	D					0.35	
0.20-0.30	3	ES						
0.20		PID	0.0ppm					
0.35-0.85	4	B				Firm to stiff yellowish brown mottled grey and orange silty CLAY with occasional pockets of (up to 20mm) of fine sand. (WEALD CLAY FORMATION)		
0.35	5	D						
0.35-0.45	6	ES	0.2ppm					
0.35		PID						
0.85	7	D					(1.15)	
0.90		V	c _u =70/72/74					
1.30								
1.35	8	V	c _u =62/60/62				1.50	
1.50		D						
1.50	10	B				Firm greyish brown mottled orange and brown slightly sandy gravelly SILT with frequent pockets of (up to 30mm) of firm clay. Sand is fine to coarse. Gravel is subangular to angular fine to coarse of extremely weak sandstone and mudstone. (WEALD CLAY FORMATION)	(0.60)	
1.60	9	PID	0.1ppm				2.10	
2.00	11	D						
2.10	12	B				Extremely weak thinly laminated partially weathered reddish brown and grey MUDSTONE. (WEALD CLAY FORMATION)	(0.35)	
2.10	13	D					2.45	
						Trial pit terminated at 2.45m depth.		

Plan (Not to Scale)		General Remarks		
		- Service clearance undertaken by DDS Ltd. - No groundwater encountered during investigation. - Pit stable during excavation. - Weathering classifications applied using BS EN ISO 14689:2018 (approach 4). - Backfilled with arisings upon completion.		
All dimensions in metres		Scale: 1:25		
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:	

GINT_LIBRARY_v8_07.GLB LibVersion: v8_07 | Log TRIAL PIT LOG - A4P | 562943_HE_NORTH_ARC_BURGESS_HILL_FREEEKS_FARM&LINK_ROAD_GI.GPJ - v8_07.
| 11/06/19 - 09:59 | SG8 |

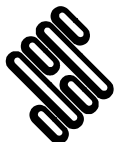


Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP105
Contract Ref: 562943	Start: 10.04.19 End: 10.04.19	Ground Level (m AOD): 27.32	National Grid Co-ordinate: E:531330.5 N:120653.9	Sheet: 2 of 4

TP105: Pit



Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:	
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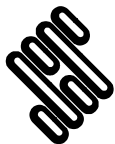
Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP105
Contract Ref: 562943	Start: 10.04.19 End: 10.04.19	Ground Level (m AOD): 27.32	National Grid Co-ordinate: E:531330.5 N:120653.9	Sheet: 3 of 4

TP105: Spoil



G:\NT_LIBRARY_V8_07\GLB Lib\Version: v8_07_001 Proj\Version: v8_07 | Log TRIAL PIT LOG - A4P | 562943_HE_NORTH_ARC_BURGESS_HILL_FREEKS_FARM&LINK_ROAD_GI.GPJ - v8_07_11/06/19 - 09:59 | SG8 |

Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:	
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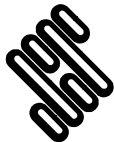


Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP105
Contract Ref: 562943	Start: 10.04.19 End: 10.04.19	Ground Level (m AOD): 27.32	National Grid Co-ordinate: E:531330.5 N:120653.9	Sheet: 4 of 4

TP105: Reinstatement



Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:	
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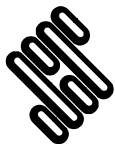


Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP106
Contract Ref: 562943	Start: 12.04.19 End: 12.04.19	Ground Level (m AOD): 30.50	National Grid Co-ordinate: E:531420.0 N:120706.3	Sheet: 1 of 3

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend								
Depth	No	Type	Results													
0.00-0.35	1	D	0.1ppm			Grass over soft to firm greyish brown slightly sandy clayey SILT with frequent roots (<3 x 5mm). Sand is fine. (TOPSOIL)	(0.35)									
0.20	2	D				0.1ppm	0.35									
0.25-0.35	3	ES					0.1ppm		(0.45)							
0.25		PID	0.1ppm								0.80					
0.40	4	B											0.1ppm	(0.30)		
0.40-0.80	5	D														0.1ppm
0.45-0.55	6	ES	0.1ppm			(0.30)										
0.45		PID						0.1ppm	1.40							
0.80-1.10	7	B									0.1ppm	1.70				
0.80	9	D												0.1ppm	(0.85)	
0.85-0.95	10	ES														
0.85		PID	0.1ppm			(0.85)										
1.10-1.40	11	B						0.1ppm	2.55							
1.10	12	D									0.1ppm	2.55				
1.15-1.25	13	ES												0.1ppm	2.55	
1.15		PID														
1.40-1.70	14	B	0.1ppm			(0.85)										
1.40	15	D						0.1ppm	2.55							
1.45-1.55	16	ES									0.1ppm	2.55				
1.45		PID												0.1ppm	2.55	
1.70	17	B														
1.70	18	D	0.1ppm			2.55										
1.75-1.85	19	ES						0.1ppm	2.55							
1.75		PID	0.1ppm			2.55										
2.20	20	D						0.1ppm	2.55							
			0.1ppm			2.55										
				0.1ppm	2.55											
			0.1ppm			2.55										
				0.1ppm	2.55											
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				0.1ppm	2.55											
			0.1ppm			2.55										
				0.1ppm	2.55											
			0.1ppm			2.55										
				0.1ppm	2.5											

Plan (Not to Scale)		General Remarks		
		- Service clearance undertaken by DDS Ltd. - No groundwater encountered during investigation. - Pit stable during excavation. - No suitable material for hand vanes. - Weathering classifications applied using BS EN ISO 14689:2018 (approach 4). - Backfilled with arisings upon completion.		
All dimensions in metres		Scale: 1:25		
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:	

G:\LIBRARY_v8_07\GLB LibVersion: v8_07 | Log TRIAL PIT LOG - A4P | 562943_HE_NORTH_ARC_BURGESS_HILL_FREEKS_FARM&LINK_ROAD_GI.GPJ - v8_07.
11/06/19 - 09:59 | SG8

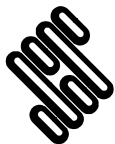


Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP106
Contract Ref: 562943	Start: 12.04.19 End: 12.04.19	Ground Level (m AOD): 30.50	National Grid Co-ordinate: E:531420.0 N:120706.3	Sheet: 2 of 3

TP106: Pit



Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:	
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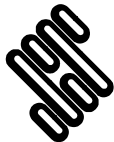
Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP106
Contract Ref: 562943	Start: 12.04.19 End: 12.04.19	Ground Level (m AOD): 30.50	National Grid Co-ordinate: E:531420.0 N:120706.3	Sheet: 3 of 3

TP106: Spoil



GINT_LIBRARY_v8_07.GLB LibVersion: v8_07_001 ProjVersion: v8_07 | Log TRIAL PIT LOG - A4P | 562943_HE_NORTH_ARC_BURGESS_HILL_FREEKS_FARM&LINK_ROAD_GI.GPJ - v8_07_07 | 11/06/19 - 10:00 | SG8 |

Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:	
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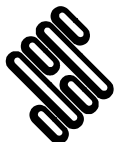


Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI			Client: Homes England		Trial Pit: TP107
Contract Ref: 562943	Start: 12.04.19	End: 12.04.19	Ground Level (m AOD): 33.15	National Grid Co-ordinate: E:531455.1 N:120738.6	Sheet: 1 of 4

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend
Depth	No	Type	Results					
0.00-0.35	1	B	0.1ppm		Grass over soft to firm greyish brown slightly sandy clayey SILT with frequent rootlets (< 5 x 5mm). Sand is fine to coarse. (TOPSOIL)	(0.40)		
0.20	2	D				Soft locally firm orangish grey sandy slightly gravelly silty CLAY. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of weak mudstone. (WEALD CLAY FORMATION)		0.40
0.20-0.30	3	ES			Extremely weak distinctly weathered thinly laminated brown and grey mottled orange and brown weathered MUDSTONE. (WEALD CLAY FORMATION)			(0.50)
0.20	4	PID	0.1ppm			0.90		
0.40-0.90		B						
0.40		D						
0.40-0.50	5	ES	0.2ppm		Extremely weak to weak partially weathered grey and brown heavily stained reddish brown highly oxidised MUDSTONE. (WEALD CLAY FORMATION)	(0.35)		
0.40	6	PID				1.25		
0.90-1.25	7	B	0.1ppm		Extremely weak partially weatheredreddish brown locally stained red highly oxidised MUDSTONE. (WEALD CLAY FORMATION)	(0.55)		
0.90	8	D				1.80		
0.90-1.00	9	ES				0.0ppm		Extremely weak to weak brownish grey and red stained reddish brown SILTSTONE. (WEALD CLAY FORMATION)
0.90	10	PID	2.20					
1.25-1.75	11	B	0.0ppm		Trial pit terminated at 2.40m depth due to hard ground conditions.	2.40		
1.25	12	D						
1.25-1.35	13	ES						
1.25	14	PID						
1.75	15	B						
1.80-2.20	16	D						
1.80	17	ES						
1.80-1.90	18	PID						
1.80	19							
2.20-2.40								
2.20								
2.20-2.30								
2.20								

Plan (Not to Scale)		General Remarks			
		1. Service clearance undertaken by DDS Ltd. 2. No groundwater encountered during investigation. 3. Pit stable during excavation. 4. No suitable material for hand vanes. 5. Weathering classifications applied using BS EN ISO 14689:2018 (approach 4). 6. Backfilled with arisings upon completion.			
		All dimensions in metres		Scale:	1:25
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:		

G:\LIBRARY_V8_07\GLB LibVersion: v8_07 | Log TRIAL PIT LOG - A4P | 562943_HE_NORTH_ARC_BURGESS_HILL_FREEEKS_FARM&LINK_ROAD_GI.GPJ - v8_07. | 11/06/19 - 10:00 | SG8 |

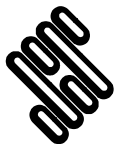


Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP107
Contract Ref: 562943	Start: 12.04.19 End: 12.04.19	Ground Level (m AOD): 33.15	National Grid Co-ordinate: E:531455.1 N:120738.6	Sheet: 2 of 4

TP107: Pit



Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:	
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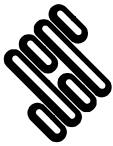
Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP107
Contract Ref: 562943	Start: 12.04.19 End: 12.04.19	Ground Level (m AOD): 33.15	National Grid Co-ordinate: E:531455.1 N:120738.6	Sheet: 3 of 4

TP107: Spoil



GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 ProjVersion: v8_07 | Log TRIAL PIT LOG - v8_07 | Log TRIAL PIT LOG - A4P | 562943_HE_NORTH_ARC_BURGESS_HILL_FREEKS_FARM&LINK_ROAD_GI.GPJ - v8_07.
| 11/06/19 - 10:00 | SG8 |

Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:	
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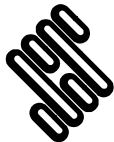


Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP107
Contract Ref: 562943	Start: 12.04.19 End: 12.04.19	Ground Level (m AOD): 33.15	National Grid Co-ordinate: E:531455.1 N:120738.6	Sheet: 4 of 4

TP107: Reinstatement



Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:	
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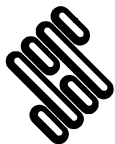


Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI			Client: Homes England		Trial Pit: TP108
Contract Ref: 562943	Start: 12.04.19	End: 12.04.19	Ground Level (m AOD): 35.03	National Grid Co-ordinate: E:531427.7 N:120785.1	Sheet: 1 of 3

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend			
Depth	No	Type	Results								
0.00-0.15	1	B	0.1ppm		Soft to firm light brown slightly sandy clayey SILT with occasional rootlets (<3 x 5mm). Sand is fine to coarse. (TOPSOIL)	0.15					
0.10	2	D									
0.20-0.70	3	B				Soft orangish brown and grey mottled orangish brown sandy silty CLAY with occasional silt partings. Sand is fine. (WEALD CLAY FORMATION)	(0.80)				
0.20	4	D									
0.20-0.30	5	ES									
0.20		PID									
0.70	6	D					0.95				
0.95-1.45	7	B	0.1ppm			Extremely weak thinly laminated distinctly weathered orange and grey mottled orangish brown MUDSTONE. (WEALD CLAY FORMATION)	(0.50)				
0.95	8	D									
1.00-1.10	9	ES									
1.00		PID									
1.45-1.95	10	B	0.1ppm				Extremely weak to weak distinctly weathered thinly laminated grey and brown stained orangish brown locally oxidised MUDSTONE. (WEALD CLAY FORMATION)	(0.95)			
1.45	11	D									
1.50-1.55	12	ES									
1.50		PID									
1.95	13	D							2.40		
2.40-2.60	14	B	0.0ppm					Extremely weak to weak partially weathered grey and brown locally stained orangish brown SILTSTONE. (WEALD CLAY FORMATION)	2.60		
2.40	15	D									
2.50-2.60	16	ES									
2.50		PID									
									Trial pit terminated at 2.60m depth due to hard ground conditions.		

Plan (Not to Scale)		General Remarks			
		- Service clearance undertaken by DDS Ltd. - No groundwater encountered during investigation. - Pit stable during excavation. - No suitable material for hand vanes. - Weathering classifications applied using BS EN ISO 14689:2018 (approach 4). - Backfilled with arisings upon completion.			
		All dimensions in metres		Scale:	1:25
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:		

G:\LIBRARY_V8_07\GLB LibVersion: v8_07_001 ProjVersion: v8_07 | Log TRIAL PIT LOG - A4P | 562943_HE_NORTH_ARC_BURGESS_HILL_FREEEKS_FARM&LINK_ROAD_GI.GPJ - v8_07.
| 11/06/19 - 10:22 | SG8 |

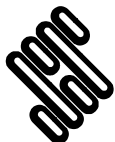


Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP108
Contract Ref: 562943	Start: 12.04.19 End: 12.04.19	Ground Level (m AOD): 35.03	National Grid Co-ordinate: E:531427.7 N:120785.1	Sheet: 2 of 3

TP108: Pit



Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:	
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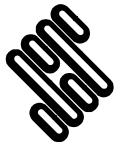


Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP108
Contract Ref: 562943	Start: 12.04.19 End: 12.04.19	Ground Level (m AOD): 35.03	National Grid Co-ordinate: E:531427.7 N:120785.1	Sheet: 3 of 3

TP108: Spoil



Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:	
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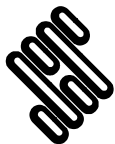


Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP109	
Contract Ref: 562943	Start: 15.04.19 End: 15.04.19	Ground Level (m AOD): 32.64	National Grid Co-ordinate: E:531338.3 N:120757.9	Sheet: 1 of 4	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend
Depth	No	Type	Results					
0.00-0.30	1	B	0.1ppm			Grass over soft to firm light brown slightly sandy clayey SILT with frequent rootlets (<3 x 5mm). Sand is fine to coarse. (TOPSOIL)	(0.30)	
0.20	2	D				0.30		
0.20-0.30	3	ES				(0.60)		
0.20		PID						
0.40-0.90	4	B						
0.40	5	D						
0.50-0.60	6	ES						
0.50		V						
0.50		PID						
0.80		V	c _u =80/80/82 0.1ppm			0.90		
0.90-1.20	7	B	0.1ppm			Extremely weak orangish to greyish mottled orangish brown locally stained reddish brown MUDSTONE locally disinctly weathered to soft friable slightly sandy silty CLAY with rare subangluar mudstone. Sand is fine. (WEALD CLAY FORMATION)	(0.30)	
0.90	8	D						
1.00-1.10	9	ES						
1.00		PID	0.1ppm			Extremely weak partially weathered orangish to greyish mottled orangish brown locally stained reddish brown MUDSTONE. (WEALD CLAY FORMATION)	(0.40)	
1.20-1.60	10	B						
1.20	11	D						
1.30-1.40	12	ES						
1.30		PID						
1.60-1.80	13	B	0.0ppm			Extremely weak greyish brown heavily stained reddish brown oxidised MUDSTONE locally distinctly weathered to very soft friable slightly sandy gravelly silty CLAY. Sand is fine to medium. Gravel is angular to subangular fine to coarse of mudstone. (WEALD CLAY FORMATION)	1.80	
1.60	14	D						
1.70-1.80	15	ES						
1.70		PID						
1.80-2.10	16	B						
2.10	17	D	Extremely weak to weak greyish brown locally stained reddish brown SILTSTONE / MUDSTONE. (WEALD CLAY FORMATION)			2.10		
Trial pit terminated at 2.10m depth due to hard ground conditions.								

Plan (Not to Scale)		General Remarks			
		1. Service clearance undertaken by DDS Ltd. 2. No groundwater encountered during investigation. 3. Pit stable during excavation. 4. No suitable material for hand vanes. 5. Weathering classifications applied using BS EN ISO 14689:2018 (approach 4). 6. Backfilled with arisings upon completion.			
		All dimensions in metres		Scale: 1:25	
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:		

G:\NT_LIBRARY_V8_07\GLB Lib\Version: v8_07 | Log TRIAL PIT LOG - A4P | 562943_HE_NORTH_ARC_BURGESS_HILL_FREEKS_FARM&LINK_ROAD_GI.GPJ - v8_07.
| 11/06/19 - 10:09 | SG8 |

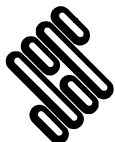


Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP109
Contract Ref: 562943	Start: 15.04.19 End: 15.04.19	Ground Level (m AOD): 32.64	National Grid Co-ordinate: E:531338.3 N:120757.9	Sheet: 2 of 4

TP109: Pit



Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:	AGS
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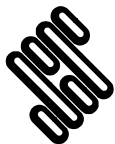


Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP109
Contract Ref: 562943	Start: 15.04.19 End: 15.04.19	Ground Level (m AOD): 32.64	National Grid Co-ordinate: E:531338.3 N:120757.9	Sheet: 3 of 4

TP109: Spoil



Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:	
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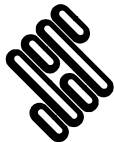


Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI		Client: Homes England		Trial Pit: TP109
Contract Ref: 562943	Start: 15.04.19 End: 15.04.19	Ground Level (m AOD): 32.64	National Grid Co-ordinate: E:531338.3 N:120757.9	Sheet: 4 of 4

TP109: Reinstatement



Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:	
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Contract: HE Northern Arc, Burgess Hill - Freeks Farm & Link Road GI			Client: Homes England		Trial Pit: TP110
Contract Ref: 562943	Start: 15.04.19 End: 15.04.19	Ground Level (m AOD): 29.13	National Grid Co-ordinate: E:531237.8 N:120724.9		Sheet: 1 of 3

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend	
Depth	No	Type	Results						
0.10-0.30	1	B	0.1ppm			Light brown slightly sandy clayey SILT with frequent rootlets (3 x 5mm).	(0.30)		
0.20	2	D				Soft orangish brown slightly gravelly sandy silty CLAY. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of mudstone.	0.30		
0.20-0.30	3	ES					0.1ppm	(0.60)	
0.20		PID							
0.40-0.80	4	B							
0.40	5	D							
0.50	6	ES	0.1ppm				0.90		
0.50		PID							
0.90	7	D	0.1ppm					(1.30)	
1.00-1.50	8	D							
1.00	9	D							
1.10-1.20	10	ES							
1.10		PID							
1.50	11	D	0.0ppm					2.20	
2.00	12	D							
2.20-2.70	13	B							
2.20	14	D							
2.30-2.40	16	ES							
2.30		PID	0.0ppm					(0.60)	
2.70	17	D							
2.80	18	D	Extremely weak to weak greyish brown SILTSTONE.					2.80	

Plan (Not to Scale)		General Remarks			
		- Service clearance undertaken by DDS Ltd. - No groundwater encountered during investigation. - Pit stable during excavation. - No suitable material for hand vanes. - Unable to take samples from 2.80m due to hard ground condntions. - Weathering classifications applied using BS EN ISO 14689:2018 (approach 4). - Backfilled with arisings upon completion.			
		All dimensions in metres		Scale:	1:25
Method Used: Machine dug	Plant Used: 13 Ton Tracked Excavator	Logged By: O Jinadu	Checked By:		

GINT_LIBRARY_v8_07.GLB LibVersion: v8_07 | Log TRIAL PIT LOG - A4P | 562943_HE_NORTH_ARC_BURGESS_HILL_FREEKS_FARM&LINK_ROAD_GI.GPJ - v8_07.
| 11/06/19 - 10:09 | SG8 |