

DAILY REPORT

Key: W = Water Sample. SPT CPT = Insitu Penetration Test. S = Spoon. C = Cone.
U100 = Undisturbed. J = Small Disturbed (jar) Sample. B = Bulk Disturbed Sample.

DP DRILLING.

DAILY REPORT

LOCATION <u>Roumdine Plot 5</u>					CLIENT <u>BWB</u>				
Water Levels	Start of Day	Mid-day	End of Day	On Pulling Casing	24 Hrs After Pulling Casing	Casing Diameter	Depth Start of Day	Depth End of Day	Contract No. <u>MCS2379</u>
Depth to Water						250 mm			Rig No. <u>Dansolao</u>
Depth of Borehole						200 mm			Date <u>10 / 18</u>
Depth Cased						150 mm	<u>91</u>	<u>13.50</u>	BH No. <u>2</u>
Water Strike	<u>4.80</u>					BH Dia			Sheet No. of <u>1 of 1</u>
Depth Cased	<u>4.50</u>					250 mm			Weather Conditions <u>Cloudy</u>
Depth Sealed	<u>11.00</u>					200 mm			
Depth Water Added						150 mm			
					Movement in the water level after strike. Level in Metres BGL		Crew		
					5 MIN.	<u>4.60</u>			
					10 MIN.	<u>4.50</u>			
					15 MIN.	<u>4.50</u>			
					20 MIN.	<u>4.50</u>			
							Hrs.		

Thickness of Strata Change		DESCRIPTION OF STRATA Consistency - Colour - Soil Type	DEPTH TAKEN/DRIVEN		SAMPLES			U100	SPT/CPT BLOWS					
From	To		From	To	No	Type	Jar Tube No	Length Re-covered	Blows	150 mm	75 mm	75 mm	75 mm	S/C
<u>91</u>	<u>0.50</u>	<u>Soil</u>	<u>0.40</u>		<u>1</u>	<u>D</u>								
<u>0.50</u>	<u>1.00</u>	<u>MEDIUM DENSE BEAN SAND</u>	<u>1.00</u>		<u>2</u>	<u>D</u>								
<u>1.00</u>	<u>2.50</u>	<u>MEDIUM DENSE SAND & GRAVEL</u>	<u>1.00</u>	<u>1.45</u>	<u>3</u>	<u>Sed</u>				<u>2</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>4</u>
<u>2.50</u>	<u>3.70</u>	<u>Loose to Medium Bean Sand</u>	<u>2.00</u>	<u>2.45</u>	<u>4</u>	<u>Sed</u>				<u>1</u>	<u>3</u>	<u>4</u>	<u>3</u>	<u>4</u>
		<u>With Clayey Bands</u>	<u>3.00</u>	<u>3.45</u>	<u>5</u>	<u>Sed</u>				<u>1</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>3</u>
<u>3.70</u>	<u>4.80</u>	<u>Dense Bean fine Silty Sand</u>	<u>4.00</u>	<u>4.45</u>	<u>6</u>	<u>Sed</u>				<u>2</u>	<u>3</u>	<u>4</u>	<u>4</u>	<u>5</u>
<u>4.80</u>	<u>7.80</u>	<u>Loose Bean Silty Sand</u>	<u>5.00</u>	<u>5.45</u>	<u>7</u>	<u>Sed</u>				<u>1</u>	<u>2</u>	<u>1</u>	<u>2</u>	<u>1</u>
		<u>With Dense Bands</u>	<u>6.50</u>	<u>6.95</u>	<u>8</u>	<u>Sed</u>				<u>2</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>4</u>
<u>7.80</u>	<u>8.50</u>	<u>Soft Bean Silty with Sand</u>	<u>8.00</u>	<u>8.45</u>	<u>9</u>	<u>Sed</u>				<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>2</u>
<u>8.50</u>	<u>10.50</u>	<u>Medium Dense Bean Silty Sand</u>	<u>9.50</u>	<u>9.95</u>	<u>10</u>	<u>Sed</u>				<u>2</u>	<u>2</u>	<u>3</u>	<u>3</u>	<u>4</u>
<u>10.50</u>	<u>11.00</u>	<u>Stiff Bean Sandy Clay</u>	<u>10.50</u>		<u>11</u>	<u>D</u>								
<u>11.00</u>	<u>11.50</u>	<u>Very Stiff Bean Sandy</u>	<u>11.00</u>	<u>11.20</u>	<u>12</u>	<u>UB</u>		<u>0%</u>	<u>100</u>	<u>No Records Refused</u>				
		<u>Boulder Clay</u>	<u>11.50</u>	<u>11.95</u>	<u>13</u>	<u>Sed</u>				<u>12</u>	<u>7</u>	<u>8</u>	<u>11</u>	<u>13</u>
			<u>13.00</u>	<u>13.35</u>	<u>14</u>	<u>U</u>		<u>65%</u>	<u>110</u>					
		<u>San</u>	<u>13.40</u>		<u>15</u>	<u>D</u>								
		<u>200</u>	<u>14.50</u>	<u>14.95</u>	<u>16</u>	<u>Sed</u>				<u>7</u>	<u>8</u>	<u>11</u>	<u>12</u>	<u>13</u>
		<u>100</u>												
		<u>100</u>												
		<u>100</u>												
		<u>100</u>												

QUANTITIES: Boring 1.540... m Bulks 3... Jars 14... U100 2... CPT/SPT 10...

Hours on Site	Boring and Sampling from	to	Hrs	Standing Time of Day Works	Reason	Hrs.	Drillers Signature <u>[Signature]</u>	
	Moves Between		Hrs					
	Delays		Hrs					
	Total		Hrs					
Remarks <u>1 1/2 hr Get all gear of BH1 with HYDRA TO BH2</u> <u>1 1/2 hr Get Rig and all gear back out of field</u>				Chiselling	From	To	Hrs.	Clients Representatives Signature
	<u>11.20</u>	<u>11.50</u>	<u>45 min</u>					

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DP DRILLING.

DAILY REPORT

LOCATION <u>Rochdale</u>					CLIENT <u>BWB.</u>				
Water Levels	Start of Day	Mid-day	End of Day	On Pulling Casing	24 Hrs After Pulling Casing	Casing Diameter	Depth Start of Day	Depth End of Day	Contract No.
Depth to Water			<u>DR1</u>			250 mm			Rig No. <u>Dando 2000</u>
Depth of Borehole			<u>3.50</u>			200 mm			Date <u>10.1.18</u>
Depth Cased			<u>3.00</u>			150 mm	<u>GL</u>	<u>3.00</u>	BH No. <u>03</u>
Water Strike				Movement in the water level after strike. Level in Metres BGL		250 mm			Sheet No. of
Depth Cased				5 MIN.		200 mm			Weather Conditions
Depth Sealed				10 MIN.		150 mm			<u>overcast.</u>
Depth Water Added				15 MIN.		Crew <u>D. Pennington</u> Hrs.			
				20 MIN.		<u>D. Cahill.</u>			

Thickness of Strata Change		DESCRIPTION OF STRATA Consistency - Colour - Soil Type	DEPTH TAKEN/DRIVEN		SAMPLES			U100		SPT/CPT BLOWS				
From	To		From	To	No.	Type	Jar Tube No	Length Re-covered	Blows	150 mm	75 mm	75 mm	75 mm	S/C
GL	0.50	Top Soil.	0.20			D								
0.50	2.80	Soft brown Sandy clay.	0.50			D								
		with Sand bench.	1.00	1.45		SA				1	-	1	2	2
2.80	3.50	Soft brown Sandy boulder clay.	2.00	2.45		SA				1	1	2	2	3
			3.00	3.45		SA				1	-	1	2	2

QUANTITIES: Boring 3.50 ... m Bults ... Jars 5 ... U100 ... CPT/SPT 3 ...

Hours on Site	Boring and Sampling from	to	Hrs	Standing Time of Day Works	Reason	Hrs.	Drillers Signature <u>D. Cahill</u>	
	Moves Between		Hrs					
	Delays		Hrs					
	Total		Hrs					
Remarks <u>1 1/2 hr waiting for machine and move rig and bults.</u>				Chiselling	From	To	Hrs.	Clients Representatives Signature

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U100 = Undisturbed. J = Small Disturbed (jar) Sample. B = Bulk Disturbed Sample.

DP DRILLING.

DAILY REPORT

LOCATION Rochdale					CLIENT BWB				
Water Levels	Start of Day	Mid-day	End of Day	On Pulling Casing	24 Hrs After Pulling Casing	Casing Diameter	Depth Start of Day	Depth End of Day	Contract No.
Depth to Water	2.80		DRY.			250 mm			Rig No. Dando 2000
Depth of Borehole	3.45		14.95			200 mm			Date 10.1.18
Depth Cased	3.00		9.00			150 mm	GL 9.00		BH No. 04
Water Strike				Movement in the water level after strike. Level in Metres BGL					Sheet No. of
Depth Cased				5 MIN.					
Depth Sealed				10 MIN.					Weather Conditions
Depth Water Added				15 MIN.					overcast.
				20 MIN.					
Crew D. Pennington						Hrs.			
D. Cahill									

Thickiness of Strata Change		DESCRIPTION OF STRATA Consistency - Colour - Soil Type	DEPTH TAKEN/DRIVEN		SAMPLES				U100		SPT/CPT BLOWS					
From	To		From	To	No.	Type	Jar Tube No	Length m	Blows		150 mm	75 mm	75 mm	75 mm	75 mm	S/C
3.45	3.80	Soft clayey Sand and gravel.	4.00	4.45	SD						1	-	1	2	2	2
3.80	4.70	Soft clayey brown Sand	5.00	5.45	SD						1	2	2	3	4	5
4.70	7.20	medium dense brown Sand	6.50	6.95	SD						2	3	3	4	5	6
			8.00	8.45	U			100%	43							
7.20		Stiff brown Sandy boulder clay.	8.50		O											
			9.50	9.95	SD						2	3	5	9	10	8
			11.00	11.45	U			100%	67							
			11.50		D											
			12.50	12.95	U			NL	56							
		Gas Valve Flush Cover.	13.00	13.45	SD						3	4	6	8	9	9
			14.50	14.95	SD						3	5	8	9	11	13
		GL														
		Sam Plain Bentonite.														
		2.00														
		Sam Slotted gravel.														
		7.00														
		Bentonite.														
		8.00														
		Spoil														
		14.95.														

QUANTITIES: Boring **14.95** m Bulks **2** Jars **9** U100 **3** CPT/SPT **6**

Hours on Site	Boring and Sampling from	to	Hrs	Standing Time of Day Works	Reason	Hrs.	Drillers Signature D. Cahill	
	Moves Between		Hrs					
	Delays		Hrs					
	Total		Hrs					
Remarks 1 1/2 hr Collect water. 'Bowsse' 1 1/2 hr waiting for machine and move rig and book.				Chiselling	From 9.70	To 9.90	Hrs. 1/2	Clients Representatives Signature

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DP DRILLING.

DAILY REPORT

LOCATION <u>Rochdale</u>				CLIENT <u>BWB</u>					
Water Levels	Start of Day	Mid-day	End of Day	On Pulling Casing	24 Hrs After Pulling Casing	Casing Diameter	Depth Start of Day	Depth End of Day	Contract No.
Depth to Water			<u>Damp</u>			250 mm			Rig No. <u>Dands 2000</u>
Depth of Borehole			<u>3.45</u>			200 mm			Date <u>9.1.18</u>
Depth Cased			<u>3.00</u>			150 mm	<u>GL</u>	<u>3.00</u>	BH No. <u>04</u>
Water Strike				Movement in the water level after strike. Level in Metres BGL		BH Dia			Sheet No. of
Depth Cased				5 MIN.		250 mm			Weather Conditions
Depth Sealed				10 MIN.		200 mm			<u>overcast.</u>
Depth Water Added				15 MIN.		150 mm			
				20 MIN.		Crew	Hrs.		
						<u>D. Pennington</u>			
						<u>D. Cahill</u>			

Thickness of Strata Change		DESCRIPTION OF STRATA Consistency - Colour - Soil Type	DEPTH TAKEN/DRIVEN		SAMPLES			U100		SPT/CPT BLOWS					
From	To		From	To	No.	Type	Jar Tube No.	Length Re- covered	Blows	150 mm	75 mm	75 mm	75 mm	75 mm	S/C
<u>GL</u>	<u>0.80</u>	<u>Top Soil</u>	<u>0.30</u>			<u>D</u>									
<u>0.80</u>	<u>1.30</u>	<u>Stiff brown very gravelly clay</u>	<u>1.00</u>	<u>1.45</u>		<u>CD</u>				<u>8</u>	<u>12</u>	<u>7</u>	<u>5</u>	<u>4</u>	<u>4</u>
			<u>2.00</u>	<u>2.45</u>		<u>J</u>		<u>100%</u>	<u>26</u>						
<u>1.30</u>		<u>Soft brown sandy boulder clay with sand and gravel bould.</u>	<u>2.50</u>			<u>D</u>									
			<u>3.00</u>	<u>3.45</u>		<u>CD</u>				<u>1</u>	<u>-</u>	<u>-</u>	<u>1</u>	<u>1</u>	<u>2</u>
<u>2.00</u>	<u>3.45</u>	<u>Soft clayey sand and gravel.</u>													

QUANTITIES: Boring 3.45 m Bulks 1 Jars 4 U100 1 CPT/SPT 2

Hours on Site	Boring and Sampling from	to	Hrs	Standing Time of Day Works	Reason		Hrs.	Drillers Signature <u>D. Cahill</u> Supervisors Signature
	Moves Between		Hrs					
	Delays		Hrs					
	Total		Hrs					
Remarks				Chiselling	From	To	Hrs.	Clients Representatives Signature
					<u>0.90</u>	<u>1.30</u>	<u>45</u>	

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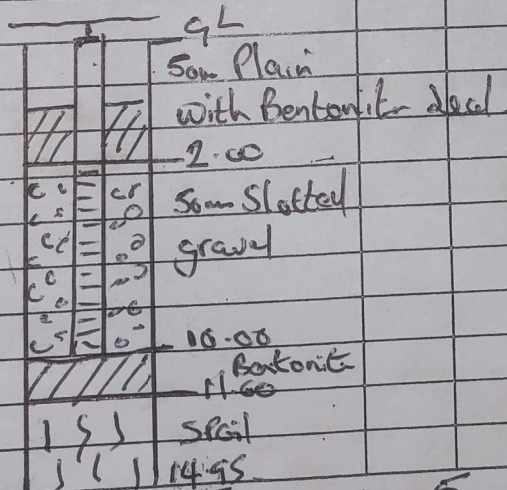
DP DRILLING.

DAILY REPORT

LOCATION <u>Lochdale</u>					CLIENT <u>BWB</u>				
Water Levels	Start of Day	Mid-day	End of Day	On Pulling Casing	24 Hrs After Pulling Casing	Casing Diameter	Depth Start of Day	Depth End of Day	Contract No.
Depth to Water	5.80		DRY			250 mm			Rig No. <u>Dando 2000</u>
Depth of Borehole	7.50		14.95			200 mm			Date <u>9-1-18</u>
Depth Cased	6.00		9.00			150 mm	<u>GL</u>	<u>9.00</u>	BH No. <u>05</u>
Water Strike				Movement in the water level after strike. Level in Metres BGL					Sheet No. of
Depth Cased				5 MIN.					Weather Conditions
Depth Sealed				10 MIN.					<u>overcast</u>
Depth Water Added				15 MIN.					
				20 MIN.					
						Crew <u>D. Pennington</u> <u>D. Cahill</u>		Hrs.	

Thickness of Strata Change		DESCRIPTION OF STRATA Consistency - Colour - Soil Type	DEPTH TAKEN/DRIVEN		SAMPLES			U100	SPT/CPT BLOWS					
From	To		From	To	No.	Type	Jar Tube No	Length Re-covered	BloWS	150 mm	75 mm	75 mm	75 mm	S/C
7.50	14.95	Stiff brown Sandy boulder clay with sand bands	8.00	8.45	SD					2	3	3	4	5
			9.50	9.95	U			100%	65					
			10.00		D									
			11.00	11.45	SD					2	4	4	5	6
			12.50	12.95	U			100%	90					
			13.00		D									
			14.50	14.95	SD					3	5	7	9	10

gas valve and flush cover.



QUANTITIES: Boring 14.95 m Bulks 5 Jars 5 U100 2 CPT/SPT 3

Hours on Site	Boring and Sampling from	to	Hrs	Standing Time of Day Works	Reason	Hrs.	Drillers Signature <u>D. Cahill</u>	
	Moves Between		Hrs					
	Delays		Hrs					
	Total		Hrs					
Remarks	1 hr to move rig and back to BH04 with machine. 1/2 hr collect water.			Chiselling	From	To	Hrs.	Clients Representatives Signature

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U100 = Undisturbed. J = Small Disturbed (jar) Sample. B = Bulk Disturbed Sample.

DP DRILLING.

DAILY REPORT

LOCATION Rochdale					CLIENT BWB.				
Water Levels	Start of Day	Mid-day	End of Day	On Pulling Casing	24 Hrs After Pulling Casing	Casing Diameter	Depth Start of Day	Depth End of Day	Contract No.
Depth to Water			DAY			250 mm			Rig No. Dando 2000
Depth of Borehole			7.50			200 mm			Date 8.1.18
Depth Cased			6.00			150 mm	GL 6.00		BH No. 05.
Water Strike	3.30			Movement in the water level after strike. Level in Metres BGL		BH Dia			Sheet No. of
Depth Cased	3.00			5 MIN.	2.7	250 mm			Weather Conditions
Depth Sealed	6.00			10 MIN.	2.7	200 mm			
Depth Water Added				15 MIN.	2.7	150 mm			
				20 MIN.	2.7				
						Crew	Hrs.		
						D. Pennington			
						D. Cahill.			

Thickness of Strata Change		DESCRIPTION OF STRATA Consistency - Colour - Soil Type	DEPTH TAKEN/DRIVEN		SAMPLES			U100		SPT/CPT BLOWS					
From	To		From	To	No.	Type	Jar Tube No	Length Re-covered	Blows	150 mm	75 mm	75 mm	75 mm	75 mm	S/C
GL	0.50	Top Soil.	0.20			D									
0.50	3.30	Soft brown Sandy boulder clay.	0.50			D									
			1.00	1.45		SD		NE		1	-	1	1	2	2
3.30	5.40	Soft brown Sandy clay.	2.00	2.45		SD				1	1	2	1	2	2
5.40	6.40	Medium dense brown Sand	3.00	3.45		SD				1	-	2	2	2	2
6.40	7.50	Stiff brown Sandy boulder clay with Sand bands.	4.00	4.45		SD				1	1	2	2	3	3
			5.00	5.45		SD				2	2	3	4	4	4
			5.50	6.00		B									
			6.50	6.95		U		50/40							
			7.00			D									

QUANTITIES: Boring **7.50**...m Bunks **2**... Jars **8**... U100 **1**... CPT/SPT **5**...

Hours on Site	Boring and Sampling from	to	Hrs	Standing Time of Day Works	Reason	Hrs.	Drillers Signature D. Cahill	
	Moves Between		Hrs					
	Delays		Hrs					
	Total		Hrs					
Remarks 5hr Standing waiting for machine and putting last van and 1/2 into field				Chiselling	From	To	Hrs.	Clients Representatives Signature
5hr collect water.								

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U100 = Undisturbed. J = Small Disturbed (jar) Sample. B = Bulk Disturbed Sample.

DP DRILLING.

DAILY REPORT

LOCATION <u>Rochdale</u>				CLIENT <u>BWB</u>					
Water Levels	Start of Day	Mid-day	End of Day	On Pulling Casing	24 Hrs After Pulling Casing	Casing Diameter	Depth Start of Day	Depth End of Day	Contract No.
Depth to Water	4.00		DRY			250 mm			Rig No. <u>Dancla 2000</u>
Depth of Borehole	4.50		14.95			200 mm			Date <u>12-1-18</u>
Depth Cased	4.00		10.50			150 mm	9L	10.50	BH No. <u>06</u>
Water Strike				Movement in the water level after strike. Level in Metres BGL		BH Dia			Sheet No. of
Depth Cased				5 MIN.		250 mm			Weather Conditions
Depth Sealed				10 MIN.		200 mm			<u>overcast</u>
Depth Water Added				15 MIN.		150 mm			
				20 MIN.					
				Crew		Hrs.			
				<u>E. Pennington</u>					
				<u>D. Cathall</u>					

Thickness of Strata Change		DESCRIPTION OF STRATA Consistency - Colour - Soil Type	DEPTH TAKEN/DRIVEN		SAMPLES		U100		SPT/CPT BLOWS					
From	To		From	To	No.	Type	Jar tube No	Length Re- covered	Blows	150 mm	75 mm	75 mm	75 mm	S/C
4.50	5.70	Medium dense brown sand	5.00	5.45	SB			NR		1	2	2	3	4
5.70	6.20	Stiff brown sandy boulder clay.	6.50	6.95	SD					2	3	4	6	7
			8.00	8.45	SD					3	4	5	6	8
6.20	9.30	Dense brown sand.	9.50	9.95	SA					2	3	4	6	7
9.30	14.95	Stiff brown sandy boulder clay.	11.00	11.45	UB			NR 64						
			11.50	11.95	SD					2	3	5	6	7
			12.50	12.95	SD					2	4	6	6	7
			14.50	14.95	SD					3	5	7	9	12

Gravelle Flush Carw.

5.1	1.3	5m Plain Bentonite
1.1	2.0	2.0m -
2.0	2.5	5m Slotted with gravel.
2.5	3.0	
3.0	3.5	
3.5	4.0	9.0m Bentonite
4.0	4.5	10.0m
4.5	5.0	Spill
5.0	5.5	
5.5	6.0	
6.0	6.5	
6.5	7.0	
7.0	7.5	
7.5	8.0	
8.0	8.5	
8.5	9.0	
9.0	9.5	
9.5	10.0	
10.0	10.5	
10.5	11.0	
11.0	11.5	
11.5	12.0	
12.0	12.5	
12.5	13.0	
13.0	13.5	
13.5	14.0	
14.0	14.5	
14.5	15.0	

QUANTITIES: Boring 14.95 m Bulks 2 Jars 7 U100 1 CPT/SPT 7

Hours on Site	Boring and Sampling from	to	Hrs	Standing Time of Day Works	Reason		Hrs.	Drillers Signature	
	Moves Between		Hrs						
	Delays		Hrs						
	Total		Hrs						
Remarks	<u>1/2h collect water</u> <u>1/2h to take rig and tools off site with machine</u>				Chiselling	From	To	Hrs.	Supervisors Signature
						11.10	11.40	1	
Clients Representatives Signature									

Key: W = Water Sample. SPT CPT = Insitu Penetration Test. S = Spoon. C = Cone.
 U100 = Undisturbed. J = Small Disturbed (jar) Sample. B = Bulk Disturbed Sample.

DP DRILLING.

DAILY REPORT

LOCATION Rochdale				CLIENT Bwb.					
Water Levels	Start of Day	Mid-day	End of Day	On Pulling Casing	24 Hrs After Pulling Casing	Casing Diameter	Depth Start of Day	Depth End of Day	Contract No.
Depth to Water			Dref.			250 mm			Rig No. Dando 200
Depth of Borehole			4.50			200 mm			Date 11.1.18
Depth Cased			4.00			150 mm	GL 4.00		BH No. 06
						BH Dia			Sheet No. of
Water Strike				Movement in the water level after strike. Level in Metres BGL		250 mm			Weather Conditions
Depth Cased				5 MIN.		200 mm			overcast.
Depth Sealed				10 MIN.		150 mm			
				15 MIN.					
Depth Water Added				20 MIN.					
Crew		Hrs.							
D. Pennington									
D. Cahill									

Thickness of Strata Change		DESCRIPTION OF STRATA Consistency - Colour - Soil Type	DEPTH TAKEN/DRIVEN		SAMPLES				U100		SPT/CPT BLOWS					
From	To		From	To	No.	Type	Jar Tube No	Length of core	Blows		150 mm	75 mm	75 mm	75 mm	75 mm	S/C
GL	0.70	Top Soil.	0.20			D										
0.70	4.10	Soft brown sandy clay.	0.70			D										
4.10	4.50	medium dense brown sand.	1.00	1.45		SD B.					1	-	1	2	2	2.
			2.00	2.45		SD					1	1	1	1	2	2.
			3.00	3.45		SD					1	1	2	2	1	2.
			4.00	4.45		SD B					2	2	3	3	4	4.

QUANTITIES: Boring **4.30** m Bunks **2** Jars **6** U100 **1** CPT/SPT **4**

Hours on Site	Boring and Sampling from	to	Hrs	Standing Time of Day Works	Reason		Hrs.	Drillers Signature D. Cahill
	Moves Between		Hrs					
	Delays		Hrs					
	Total		Hrs					
Remarks 1/2 hr collect water.				Chiselling	From	To	Hrs.	Supervisors Signature
								Clients Representatives Signature

Key: W = Water Sample. SPT CPT = Insitu Penetration Test. S = Spoon. C = Cone.
 U100 = Undisturbed. J = Small Disturbed (jar) Sample. B = Bulk Disturbed Sample.

APPENDIX 4

TRIP HAMMER CALIBRATION CERTIFICATES

SPT Hammer Energy Test Report

in accordance with BSEN ISO 22476-3:2005

ARCHWAY ENGINEERING
AINLEYS INDUSTRIAL ESTATE
ELLAND
WEST YORKSHIRE
HX5 9JP

SPT Hammer Ref: AR1943
Test Date: 22/09/2017
Report Date: 22/09/2017
File Name: AR1943.spt
Test Operator: SH

Instrumented Rod Data

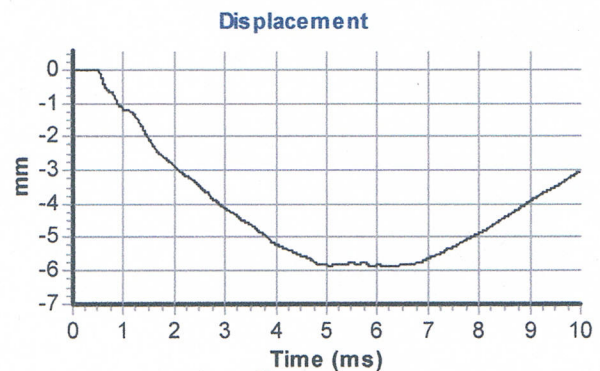
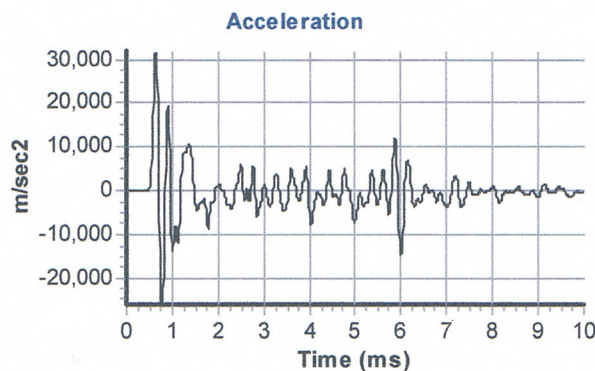
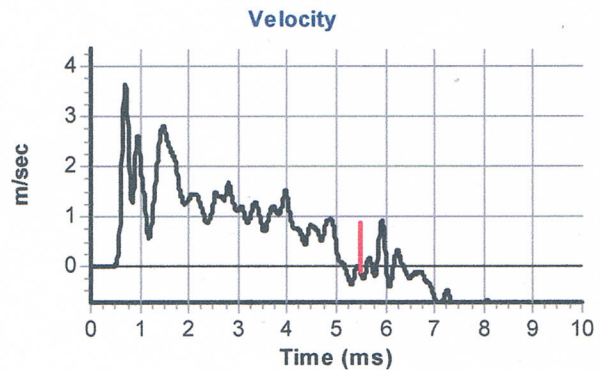
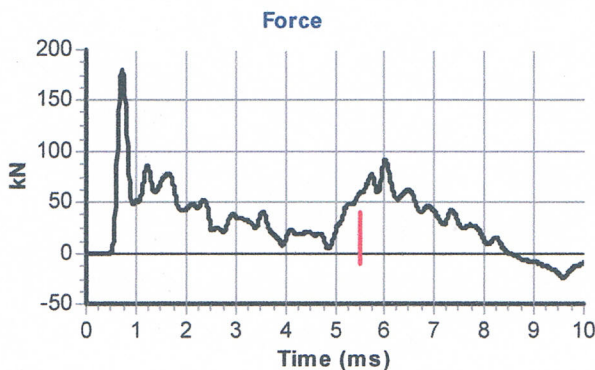
Diameter d_r (mm): 54
Wall Thickness t_r (mm): 6.0
Assumed Modulus E_a (GPa): 200
Accelerometer No.1: 7080
Accelerometer No.2: 11609

SPT Hammer Information

Hammer Mass m (kg): 63.5
Falling Height h (mm): 760
SPT String Length L (m): 10.0

Comments / Location

CALIBRATION



Calculations

Area of Rod A (mm^2): 905
Theoretical Energy E_{theor} (J): 473
Measured Energy E_{meas} (J): 345

Energy Ratio E_r (%): **73**

Signed: S. HOWARTH

Title: FITTER

The recommended calibration interval is 12 months