

BOREHOLE LOG

BOREHOLE No.
BH101L&C

Client:
BRETT AGGREGATES LTD



Project No:
402.01009.00064




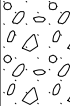



















Date:
12/08/13

Ground Level:
75.75maOD

Co-ordinates:
E520040.513 N207950.805

Project:
HATFIELD AERODROME

Sheet:
1 of 2

SAMPLES & TESTS						Water	STRATA				Instrument/ Backfill
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N		Reduced Level	Legend (Thick-ness)	Depth	DESCRIPTION	
1 0.60-0.90	B1						75.35		0.40	Grass onto: Firm orange-brown sandy CLAY.	 
									(0.90)	Orange brown sandy fine to coarse GRAVEL. Gravel is fine to coarse rounded to subangular flint.	
							74.45		1.30	Stiff black grey orange mottled gravelly CLAY. Gravel is fine to medium angular flint.	
2 1.90-2.20	B2						73.95		1.80	Orange brown sandy fine to coarse sandy GRAVEL. Gravel is fine to coarse rounded to subangular flint.	 
									(2.70)		
										3.90 ...becoming very sandy...	
4 3.90-4.20	B3						71.25		4.50	Yellow brown slightly gravelly fine to coarse SAND. Gravel is medium to coarse subrounded flint.	 
							71.05		4.70	Yellow brown silty medium to coarse SAND.	
									(1.90)		
6 5.90-6.20	B4						69.15		6.60	Stiff grey slightly gravelly CLAY. Gravel is fine to medium subangular flint and rare chalk.	 
									(2.70)		
							66.45		9.30	Orange brown slightly sandy GRAVEL. Gravel is fine to coarse rounded to subrounded flint.	
9 9.50-10.00	B5								(1.00)		 
											

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
											1) Hand dug inspection pit to 1.2m. 2) Bored 250mm casing to 8.9m, 200mm casing to 19m, bentonite seal from 7.9-8.9m. 3) Two 50mm wells installed, screen from 10.0-14.3m and 16.0-19.0m.

All dimensions in metres
Scale 1:62.5



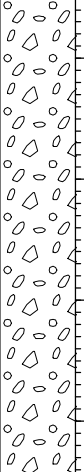
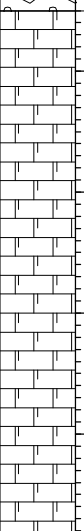




Contractor: Endeavour Ltd
Plant: Dando 3000

Method: Cable Percussion
Hole Size: 250/200

Logged By:
DH

Approved By:
PW

BOREHOLE LOG				BOREHOLE No. BH101L&C	
Client: BRETT AGGREGATES LTD					
Project No: 402.01009.00064		Date: 12/08/13	Ground Level: 75.75maOD		
Project: HATFIELD AERODROME				Sheet: 2 of 2	

SAMPLES & TESTS						Water	STRATA				Instrument/ Backfill
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N		Reduced Level	Legend (Thick-ness)	Depth	DESCRIPTION	
							65.45		10.30		
							65.25		10.50	Firm brown sandy CLAY.	
11	B6							(4.00)	Orange brown slightly sandy GRAVEL. Gravel is fine to coarse angular to rounded flint.		
11.90-12.40									11.90 ...very sandy..		
13	B7							(4.50)	White grey CHALK. (recovered as very soft gravelly chalk silt. Gravel is angular flint, chert and chalk)		
13.90-14.40											
15							61.25		14.50		
16											
17											
18											
19											
							56.75		19.00		
									Borehole complete at 19.00m		

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
											1) Hand dug inspection pit to 1.2m. 2) Bored 250mm casing to 8.9m, 200mm casing to 19m, bentonite seal from 7.9-8.9m. 3) Two 50mm wells installed, screen from 10.0-14.3m and 16.0-19.0m.

All dimensions in metres Scale 1:62.5	Contractor: Endeavour Ltd Plant: Dando 3000	Method: Cable Percussion Hole Size: 250/200	Logged By: DH	Approved By: PW
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BOREHOLE LOG

BOREHOLE No.
BH101U

Client:
BRETT AGGREGATES LTD



Project No:
402.01009.00064


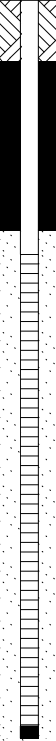
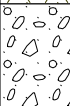





Date:
13/08/13

Ground Level:
75.74maOD

Co-ordinates:
E520037.814 N207951.650

Project:
HATFIELD AERODROME

Sheet:
1 of 1

SAMPLES & TESTS						STRATA					Instrument/ Backfill	
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N	Water	Reduced Level	Legend (Thick-ness)	Depth	DESCRIPTION		
1 1.10-1.50	B1						75.34		0.40	Grass onto: Firm orange-brown sandy CLAY.		
									(0.90) 1.30	Orange brown silty very sandy GRAVEL. Gravel is medium to coarse rounded to subangular flint.		
							74.44		(0.50) 1.80	Stiff black grey orange mottled gravelly CLAY. Gravel is fine to medium angular flint.		
2 3.10-3.50	B2						73.94		(2.50) 4.30	Orange brown slightly silty very sandy GRAVEL. Gravel is medium to coarse rounded to subangular flint.		
3									(2.00) 6.30	Yellow brown slightly gravelly fine to coarse SAND. Gravel is medium to coarse subrounded flint.		
4								71.44		6.70		Stiff grey slightly gravelly CLAY. Gravel is fine to medium subangular flint and rare chalk.
5								69.44		6.70		Stiff grey slightly gravelly CLAY. Gravel is fine to medium subangular flint and rare chalk.
6 6.70-7.00												
7 7.00-7.50												
8 7.50-8.00												
9 8.00-8.50												

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
											1) Hand dug inspection pit to 1.2m. 2) Bored 200mm to 6.7m. 3) 50mm well installed, screened from 2.1-6.1m.

All dimensions in metres
Scale 1:62.5

Contractor: Endeavour Ltd
Plant: Dando 3000

Method: Cable Percussion
Hole Size: 200

Logged By:
DH

Approved By:
PW


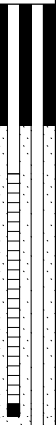



BOREHOLE LOG				BOREHOLE No. BH102L&C	
Client: BRETT AGGREGATES LTD					
Project No: 402.01009.00064		Date: 22/08/13	Ground Level: 77.99maOD	Co-ordinates: E519623.953 N207952.320	
Project: HATFIELD AERODROME					
					Sheet: 1 of 2

SAMPLES & TESTS						Water	STRATA				Instrument/ Backfill						
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N		Reduced Level	Legend (Thick-ness)	Depth	DESCRIPTION							
1	B1						77.69		0.30	Grass onto: Firm orange-brown sandy CLAY.							
									(1.40)	Firm orange brown sandy CLAY.							
							76.29		1.70								
2							75.99		2.00	Soft orange brown gravelly CLAY. Gravel is fine to coarse rounded flint and quartz.							
3							3.00-3.40									(3.20)	Soft orange brown very sandy gravelly CLAY. Gravel is fine to medium with occasional coarse rounded to subrounded flint and quartz.
4																	
5	5.00-5.40	B2					72.79		5.20	Orange brown silty very sandy GRAVEL. Gravel is medium to coarse rounded to subangular flint / chert and quartz.							
6									(1.50)								
7							71.29		6.70	Stiff grey slightly gravelly CLAY. Gravel is fine to medium subangular flint and rare chalk.							
8									(3.90)								
9																	

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
											1) Hand dug inspection pit to 1.2m. 2) Bored 250mm casing to 7.5m, 200mm casing to 18m, bentonite seal from 6.5-7.5m. 3) Two 50mm wells installed, screened from 11.4-13.4m & 15.0-18.0m.

All dimensions in metres Scale 1:62.5	Contractor: Endeavour Ltd Plant: Dando 3000	Method: Cable Percussion Hole Size: 250/200	Logged By: DH	Approved By: PW
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BOREHOLE LOG				BOREHOLE No. BH102L&C	
Client: BRETT AGGREGATES LTD					
Project No: 402.01009.00064		Date: 22/08/13	Ground Level: 77.99maOD		
Project: HATFIELD AERODROME				Sheet: 2 of 2	

SAMPLES & TESTS						Water	STRATA				Instrument/ Backfill
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N		Reduced Level	Legend (Thick-ness)	Depth	DESCRIPTION	
11	B3								Stiff grey slightly gravelly CLAY. Gravel is fine to medium subangular flint and rare chalk. <i>(continued)</i>		
							67.39	10.60	Stiff Orange brown slightly sandy CLAY.		
							66.99	11.00	Orange brown very sandy GRAVEL. Gravel is medium to coarse rounded to subangular flint / chert and quartz.		
								(3.10)			
12								63.89	14.10		
13											
14											
15											
16											
17											
18											
19											

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
											1) Hand dug inspection pit to 1.2m. 2) Bored 250mm casing to 7.5m, 200mm casing to 18m, bentonite seal from 6.5-7.5m. 3) Two 50mm wells installed, screened from 11.4-13.4m & 15.0-18.0m.

All dimensions in metres Scale 1:62.5	Contractor: Endeavour Ltd Plant: Dando 3000	Method: Cable Percussion Hole Size: 250/200	Logged By: DH	Approved By: PW
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BOREHOLE LOG				BOREHOLE No. BH102U	
Client: BRETT AGGREGATES LTD					
Project No: 402.01009.00064		Date: 23/08/13	Ground Level: 77.94maOD	Co-ordinates: E519624.815 N207951.093	
Project: HATFIELD AERODROME					
Sheet: 1 of 1					

SAMPLES & TESTS						Water	STRATA				Instrument/ Backfill
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N		Reduced Level	Legend (Thickness)	Depth	DESCRIPTION	
1							77.64		0.30	Grass onto: Firm orange brown sandy CLAY.	
									(1.40)	Firm orange brown sandy CLAY.	
							76.24		1.70		
2							75.94		2.00	Soft orange brown gravelly CLAY. Gravel is rounded fine to coarse flint and quartz.	
									(3.20)	Soft orange brown very sandy gravelly CLAY. Gravel is fine to medium with occasional coarse, rounded to subrounded flint and quartz.	
3											
4	4.00-4.40	B1									
5							72.74		5.20	Orange brown very sandy GRAVEL. Gravel is medium to coarse rounded to subangular flint, chert and quartz.	
6	6.00-6.40	B2							(1.50)		
							71.24		6.70		
7							70.94		7.00	Stiff grey slightly gravelly CLAY. Gravel is fine to medium subangular flint and rare chalk.	
8										Borehole complete at 7.00m	
9											

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
											1) Hand dug inspection pit to 1.2m. 2) Bored 200mm casing to 7M. 3) 50mm well installed, screened from 2.5-6.5m.

All dimensions in metres Scale 1:62.5	Contractor: Endeavour Ltd Plant: Dando 3000	Method: Cable Percussion Hole Size: 200	Logged By: DH	Approved By: PW
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









BOREHOLE LOG				BOREHOLE No. BH103L&C	
Client: BRETT AGGREGATES LTD					
Project No: 402.01009.00064		Date: 09/08/13	Ground Level: 77.27maOD	Co-ordinates: E519565.451 N208525.664	
Project: HATFIELD AERODROME					
					Sheet: 1 of 2

SAMPLES & TESTS						Water	STRATA				Instrument/ Backfill		
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N		Reduced Level	Legend (Thick-ness)	Depth	DESCRIPTION			
1	B1						77.17		0.10	Grass onto: Brown gravelly medium to coarse SAND. Gravels are fine to medium, rarely coarse, rounded to very rounded chert.			
									(0.70)	Soft brown gravelly CLAY. Gravel is fine to medium angular flint and rare chalk.			
							76.47		0.80				
									(0.60)	Soft to firm brown gravelly slightly sandy CLAY. Gravel is fine to medium angular slightly tabular flint and subangular chert and chalk.			
2	2.00-2.00	B1					75.87		1.40				
									(1.50)	Brown silty very gravelly fine to coarse SAND with rare clay. Gravel is fine to coarse angular to rounded flint and chert. 1.80 ...becoming increasingly gravelly...			
3							74.37		2.90				
									(0.50)	Soft brown slightly gravelly CLAY. Gravel is fine subrounded to subangular chert.			
4							73.87		3.40				
									(1.30)	Firm becoming soft grey slightly gravelly CLAY. Gravel is fine to medium subangular to subrounded chert and rare chalk.			
5	5.00-5.00	B2					72.57		4.70				
									(1.30)	Brown slightly gravelly fine to coarse SAND. Gravel is fine, occasionally medium, angular to subrounded chert.			
6							71.27		6.00				
									(0.50)	Soft grey slightly gravelly CLAY. Gravel is fine, occasionally medium, subrounded to subangular chert.			
7							70.77		6.50				
									(4.20)	Stiff locally very stiff grey slightly gravelly CLAY. Gravel is fine to medium subangular to subrounded chert and chalk.			
8	8.00-8.45	U100											
9													

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
											1) Hand dug inspection pit to 1.2m. 2) Bored 250mm casing to 7.0, 200mm casing to 19.5m, bentonite seal from 6.0-7.0m. 3) Two 50mm wells installed. screened from 16.3-19.5m and 11.0-14.7m.

All dimensions in metres Scale 1:62.5	Contractor: Endeavour Ltd Plant: Dando 3000	Method: Cable Percussion Hole Size: 250/200	Logged By: CS	Approved By: PW
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BOREHOLE LOG				BOREHOLE No. BH103L&C	
Client: BRETT AGGREGATES LTD					
Project No: 402.01009.00064		Date: 09/08/13	Ground Level: 77.27maOD		
Project: HATFIELD AERODROME				Sheet: 2 of 2	

SAMPLES & TESTS						Water	STRATA				Instrument/ Backfill
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N		Reduced Level	Legend (Thick-ness)	Depth	DESCRIPTION	
11									Stiff locally very stiff grey slightly gravelly CLAY. Gravel is fine to medium subangular to subrounded chert and chalk. <i>(continued)</i>		
							66.57	10.70			
12	B3								Stiff locally very stiff brown slightly gravelly CLAY. Gravel is fine to medium subangular to subrounded chert and chalk		
							66.27	11.00			
12.00-12.00								(2.00)	Brown and grey slightly sandy GRAVEL. Gravel is fine to coarse angular to rounded mixed lithologies.		
13											
							64.27	13.00			
14	B4								Brown occasionally grey gravelly coarse SAND. Gravel is fine to medium angular to subrounded quartz and chalk.		
							63.47	13.80			
14.00-14.00								(1.60)	Brown and grey very sandy GRAVEL. Gravel is fine to coarse angular to rounded chalk and mixed lithologies.		
15											
							61.87	15.40			
16	B5								White CHALK (recovered as slightly cobbly gravel. Gravel is medium to coarse, occasionally fine, angular to subrounded chalk with occasional black, very angular to angular, medium to coarse flint clasts).		
							60.47	16.80			
16.00-16.00								(1.40)			
17									White grey CHALK (recovered as slightly silty gravel. Gravel is medium to coarse, occasionally fine, angular to subrounded chalk with rare black angular medium to coarse flint).		
18								(2.70)			
19											
							57.77	19.50			
Borehole complete at 19.50m											

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
											1) Hand dug inspection pit to 1.2m. 2) Bored 250mm casing to 7.0, 200mm casing to 19.5m, bentonite seal from 6.0-7.0m. 3) Two 50mm wells installed. screened from 16.3-19.5m and 11.0-14.7m.

All dimensions in metres Scale 1:62.5	Contractor: Endeavour Ltd Plant: Dando 3000	Method: Cable Percussion Hole Size: 250/200	Logged By: CS	Approved By: PW
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BOREHOLE LOG

BOREHOLE No.
BH103U

Client:
BRETT AGGREGATES LTD



Project No:
402.01009.00064













Date:
06/08/13

Ground Level:
77.23maOD

Co-ordinates:
E519564.713 N208526.769

Project:
HATFIELD AERODROME

Sheet:
1 of 1

SAMPLES & TESTS						Water	STRATA				Instrument/ Backfill
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N		Reduced Level	Legend (Thick-ness)	Depth	DESCRIPTION	
1							77.13		0.10	Grass onto: Brown gravelly medium to coarse SAND. Gravel is fine to medium, rarely coarse, rounded to very rounded flint. Soft brown gravelly CLAY. Gravel is fine to medium angular slightly tabular flint.	
								(0.70)			
							76.43		0.80	Soft brown gravelly slightly sandy CLAY. Gravel is fine to medium angular slightly tabular flint and subangular chert and chalk.	
							75.83		1.40		
2	B1							(1.50)	Brown gravelly coarse SAND with rare clay. Gravel is fine to coarse angular to rounded flint and chert		
3							74.33		2.90	Soft brown slightly gravelly CLAY. Gravel is fine to medium subrounded to subangular chert.	
							73.83		3.40		
4	U100							(1.30)	Firm grey slightly gravelly CLAY. Gravel is fine to medium subangular to subrounded chert and rare chalk.		
							72.53			4.70	
5								(1.30)	No recovery.		
6							71.23		6.00	Stiff to very stiff grey slightly gravelly CLAY. Gravel is fine to medium subangular to subrounded chert and rare chalk.	
7								(1.50)			
							69.73		7.50		
8									Borehole complete at 7.50m		
9											

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
											1) Hand dug inspection pit to 1.2m. 2) Bored 200mm casing to 7.5m. 3) 50mm well installed. screened from 3.0-6.0m.

All dimensions in metres
Scale 1:62.5

Contractor: Endeavour Ltd
Plant: Dando 3000

Method: Cable Percussion
Hole Size: 250/200

Logged By:
CS

Approved By:
PW

BOREHOLE LOG

BOREHOLE No.
BH104L&C

Client:
BRETT AGGREGATES LTD



Project No:
402.01009.00064













Date:
14/08/13

Ground Level:
75.06maOD

Co-ordinates:
E519902.757 N208776.232

Project:
HATFIELD AERODROME

Sheet:
1 of 2

SAMPLES & TESTS						Water	STRATA				Instrument/ Backfill	
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N		Reduced Level	Legend (Thick-ness)	Depth	DESCRIPTION		
1 2.00-2.00	B1						74.76		0.30	Grass onto: Very stiff slightly sandy CLAY.		
									(0.70)	Firm to stiff grey and grey brown gravelly CLAY. Gravel is angular to subangular, medium to coarse flint and rare chert.		
							74.06		1.00	Brown and grey sandy GRAVEL with rare cobbles. Gravel is fine, occasionally medium, rarely coarse, angular to rounded flint and mixed lithologies. Cobbles are subangular to rounded mixed lithologies.		
							72.76		2.30	Brown occasionally orange-brown gravelly coarse SAND. Gravel are fine to medium angular to rounded mixed lithologies.		
3 4 5 6									(1.60)			
							71.16		3.90	Stiff to very stiff grey slightly gravelly CLAY. Gravel is fine to medium, rarely coarse, subangular to rounded chert and chalk.		
									(2.70)			
							68.46		6.60	Stiff to very stiff brown slightly gravelly CLAY. Gravel is fine to medium, rarely coarse, subangular to rounded chert and chalk.		
7 8 9	U100								(0.80)			
							67.66		7.40	Brown and grey slightly to very sandy GRAVEL. Gravel is fine to coarse angular to rounded mixed lithologies.		
	B2											
												

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
											1) Hand dug inspection pit to 1.2m. 2) Bored 250mm casing to 7.0, 200mm casing to 18.5m, bentonite seal from 6.0-7.0m. 3) Two 50mm wells installed. screened from 14.5-18.5m and 8.5-13.5m.












All dimensions in metres
Scale 1:62.5

Contractor: Endeavour Ltd
Plant: Dando 3000

Method: Cable Percussion
Hole Size: 250/200

Logged By:
CS


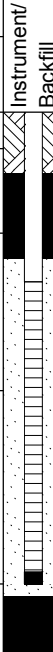




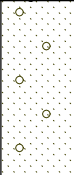



Approved By:
PW

BOREHOLE LOG											BOREHOLE No. BH104L&C	
Client: BRETT AGGREGATES LTD												
Project No: 402.01009.00064			Date: 14/08/13		Ground Level: 75.06maOD		Co-ordinates: E519902.757 N208776.232					
Project: HATFIELD AERODROME											Sheet: 2 of 2	
SAMPLES & TESTS							STRATA					Instrument/ Backfill
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N	Water	Reduced Level	Legend (Thickness)	Depth	DESCRIPTION		
10.00-10.00	B3									Brown and grey slightly to very sandy GRAVEL. Gravel is fine to coarse angular to rounded mixed lithologies. (continued)		
11												
12.00-12.00	B4								(9.00)			
13												
14												
15												
16							58.66		16.40			
17									(2.20)	White CHALK (recovered as cobbly gravels in a chalk silt matrix. Gravel is rounded to subround chalk and angular flint. Cobbles ae rounded to subrounded chalk)		
18							56.46		18.60			
19										Borehole complete at 18.60m		
Boring Progress and Water Observations				Casing		Chiselling			Water Added			General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To		
All dimensions in metres Scale 1:62.5				Contractor: Endeavour Ltd Plant: Dando 3000			Method: Cable Percussion Hole Size: 250/200			Logged By: CS		Approved By: PW

Form SLR AGS3 UK BH File 140707_408.01009.00064_X_COMPLETE_LCP_LOGS_PW.GPJ 07-07-14

SLR Consulting Ltd, 8 Stow Court, Stow-Cum-Quy, Cambridge, CB25 9AS, , Tel: 01223 813805, Fax: 01223 813783
LOGGING HAS BEEN CARRIED OUT IN ACCORDANCE WITH BS5930+A2

BOREHOLE LOG				BOREHOLE No. BH104U	
Client: BRETT AGGREGATES LTD					
Project No: 402.01009.00064		Date: 19/08/13	Ground Level: 75.05maOD	Co-ordinates: E519901.770 N208775.531	
Project: HATFIELD AERODROME					
					Sheet: 1 of 1

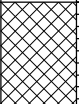



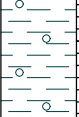


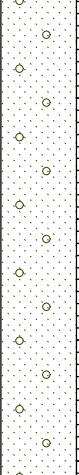
SAMPLES & TESTS						Water	STRATA				Instrument/ Backfill
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N		Reduced Level	Legend (Thick-ness)	Depth	DESCRIPTION	
1	B1						74.75		0.30	Grass onto: Firm orange-brown sandy CLAY.	
									(0.70)	Firm orange brown gravelly CLAY. Gravel is medium to coarse rounded to subrounded flint.	
1.50-1.70						74.05		1.00			
2								(1.30)	Orange brown very sandy GRAVEL. Gravel is medium to coarse rounded to subrounded flint.		
						72.75		2.30			
3								(1.60)	Yellow brown gravelly fine to coarse SAND. Gravel is medium to coarse round to subrounded flint.		
3.50-3.70	B2										
4								(0.60)	Stiff grey slightly gravelly CLAY. Gravel is fine to medium subangular flint and rare chalk.		
						70.55		4.50			
5										Borehole complete at 4.50m	
6											
7											
8											
9											

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
											1) Hand dug inspection pit to 1.2m. 2) Bored 200mm to 4.5m. 3) 50mm well installed, screened from 1.4-3.9m.

All dimensions in metres Scale 1:62.5	Contractor: Endeavour Ltd Plant: Dando 3000	Method: Cable Percussion Hole Size: 200	Logged By: DH	Approved By: PW
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Form SLR AGS3 UK BH File 140707_408.01009.00064_X_COMPLETE_LCP_LOGS_PW.GPJ 07-07-14










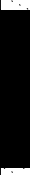

BOREHOLE LOG				BOREHOLE No. BH105L&C					
Client: BRETT AGGREGATES LTD									
Project No: 402.01009.00064		Date: 13/08/13				Ground Level: 79.86maOD		Co-ordinates: E520386.899 N209022.845	
Project: HATFIELD AERODROME									
Sheet: 1 of 3									

SAMPLES & TESTS						Water	STRATA				Instrument/ Backfill				
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N		Reduced Level	Legend (Thick- ness)	Depth	DESCRIPTION					
1	B1								(1.00)	MADE GROUND - Very stiff brown slightly sandy slightly gravelly CLAY. Gravel is medium to coarse angular flint and subangular chert.					
							78.86	1.00							
							78.85	1.01							
															MADE GROUND - Black plastic membrane.
															MADE GROUND - Red COBBLES. Cobbles are angular brick.
														(2.40)	Soft to stiff brown slightly gravelly CLAY. Gravel is medium to coarse angular flint and chert.
2															
3															
							76.26		3.60						
4									(1.10)	Soft to stiff brown slightly gravelly CLAY. Gravel is medium to coarse subangular chert.					
4.70-5.00							75.16		4.70						
5							74.76		5.10	Brown to orange brown slightly clayey slightly gravelly coarse SAND. Gravel is fine occasionally medium, subangular to subrounded flint.					
6									(5.40)	Brown slightly silty to very silty/clayey gravelly fine to coarse SAND. Gravel is fine to medium angular to subrounded flint and chalk.					
6.50-7.00	B2														
7															
8															
8.50-9.00	B3														
9															

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
											1) Hand dug inspection pit to 1.2m. 2) Bored 250mm casing to 11.5, 200mm casing to 21m, bentonite seal from 10.5-11.5m. 3) Two 50mm wells installed. screened from 17.7-21.0m and 13.7-16.3m.

All dimensions in metres Scale 1:62.5	Contractor: Endeavour Ltd Plant: Dando 3000	Method: Cable Percussion Hole Size: 250/200	Logged By: CS Approved By: PW
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BOREHOLE LOG				BOREHOLE No. BH105L&C	
Client: BRETT AGGREGATES LTD					
Project No: 402.01009.00064		Date: 13/08/13	Ground Level: 79.86maOD		
Project: HATFIELD AERODROME				Sheet: 2 of 3	

SAMPLES & TESTS						Water	STRATA				Instrument/ Backfill
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N		Reduced Level	Legend (Thick- ness)	Depth	DESCRIPTION	
11								(1.00)	Brown slightly silty to very silty/clayey gravelly fine to coarse SAND. Gravel is fine to medium angular to subrounded flint and chalk. <i>(continued)</i>		
							69.36		10.50		Stiff grey slightly gravelly CLAY. Gravel is fine to coarse angular to subrounded chalk and rare flint.
							68.36		11.50		Stiff brown sandy slightly gravelly CLAY. Gravel is medium to coarse angular flint.
12-12.45	U100							(2.10)			
13											
							66.26	13.60			
14								(0.90)	Brown and grey slightly sandy GRAVEL. Gravel is fine to coarse angular to rounded mixed lithologies.		
							65.36	14.50	Stiff brown CLAY.		
15							64.86	15.00			
15.50-16.00	B4							(1.40)	Brown and grey slightly sandy GRAVEL. Gravel is fine to coarse angular to rounded mixed lithologies.		
16							63.46	16.40			
17								(1.60)	White CHALK (recovered as slightly cobbly gravel. Gravel is coarse to medium subangular to subrounded chalk with rare black angular medium to coarse flint. Cobbles are subangular to subrounded chalk).		
18							61.86	18.00	White CHALK (recovered as silty gravel. Gravel is medium to coarse subangular to subrounded chalk with rare black angular medium to coarse flint).		
19								(3.00)			

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
											1) Hand dug inspection pit to 1.2m. 2) Bored 250mm casing to 11.5, 200mm casing to 21m, bentonite seal from 10.5-11.5m. 3) Two 50mm wells installed. screened from 17.7-21.0m and 13.7-16.3m.

All dimensions in metres Scale 1:62.5	Contractor: Endeavour Ltd Plant: Dando 3000	Method: Cable Percussion Hole Size: 250/200	Logged By: CS	Approved By: PW
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BOREHOLE LOG				BOREHOLE No. BH105L&C			
Client: BRETT AGGREGATES LTD							
Project No: 402.01009.00064		Date: 13/08/13				Ground Level: 79.86maOD	
Project: HATFIELD AERODROME				Sheet: 3 of 3			

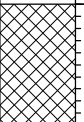
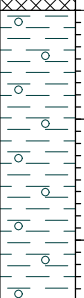
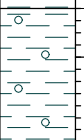
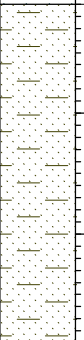
SAMPLES & TESTS						Water	STRATA				Instrument/ Backfill
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N		Reduced Level	Legend (Thick- ness)	Depth	DESCRIPTION	
21						58.86	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></di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Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	

All dimensions in metres Scale 1:62.5	Contractor: Endeavour Ltd Plant: Dando 3000	Method: Cable Percussion Hole Size: 250/200	Logged By: CS	Approved By: PW
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Form SLR AGS3 UK BH File 140707_408.01009.00064_X_COMPLETE_LCP_LOGS_PW.GPJ 07-07-14




BOREHOLE LOG				BOREHOLE No. BH105U	
Client: BRETT AGGREGATES LTD					
Project No: 402.01009.00064		Date: 14/08/13	Ground Level: 79.87maOD		
Project: HATFIELD AERODROME				Sheet: 1 of 2	

SAMPLES & TESTS						Water	STRATA				Instrument/ Backfill
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N		Reduced Level	Legend (Thick- ness)	Depth	DESCRIPTION	
1	B1	0							(1.00)	MADE GROUND - Very stiff brown slightly gravelly CLAY. Gravel is medium to coarse angular flint and chert.	
							78.87	1.00			
78.77							1.10		MADE GROUND - Red COBBLES. Cobbles are angular brick. Soft to stiff brown slightly gravelly CLAY. Gravel is medium to coarse angular flint and chert.		
							(2.50)				
76.27							3.60				
4										(1.10)	Soft to stiff brown slightly gravelly CLAY. Gravel is medium to coarse subangular chert and chalk.
4.70-5.00			75.17	4.70							
5			74.77	5.10		Very soft brown to orange brown mottled grey very sandy CLAY.					
6	B2	0						(5.40)	Brown to orange brown slightly silty/clayey slightly gravelly fine to coarse SAND. Gravel is fine to medium subangular to subrounded flint and chalk.		
7											
8	B3	0									
9											

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	

All dimensions in metres Scale 1:62.5	Contractor: Endeavour Ltd Plant: Dando 3000	Method: Cable Percussion Hole Size: 250/200	Logged By: CS	Approved By: PW
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BOREHOLE LOG				BOREHOLE No. BH105U	
Client: BRETT AGGREGATES LTD					
Project No: 402.01009.00064		Date: 14/08/13	Ground Level: 79.87maOD	Co-ordinates: E520387.082 N209021.113	
Project: HATFIELD AERODROME					Sheet: 2 of 2






SAMPLES & TESTS						Water	STRATA				Instrument/ Backfill		
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N		Reduced Level	Legend (Thick-ness)	Depth	DESCRIPTION			
11										Brown to orange brown slightly silty/clayey slightly gravelly fine to coarse SAND. Gravel is fine to medium subangular to subrounded flint and chalk. <i>(continued)</i>			
							69.37		10.50				
							68.87		(0.50) 11.00	Firm to stiff grey CLAY.			
12										Borehole complete at 11.00m			
13													
14													
15													
16													
17													
18													
19													

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	

All dimensions in metres Scale 1:62.5	Contractor: Endeavour Ltd Plant: Dando 3000	Method: Cable Percussion Hole Size: 250/200	Logged By: CS	Approved By: PW
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Form SLR AGS3 UK BH File 140707_408.01009.00064_X_COMPLETE_LCP_LOGS_PW.GPJ 07-07-14

BOREHOLE LOG				BOREHOLE No. BH106L&C			
Client: BRETT AGGREGATES LTD							
Project No: 402.01009.00064		Date: 07/08/13				Ground Level: 73.82maOD	
Project: HATFIELD AERODROME				Sheet: 1 of 2			

SAMPLES & TESTS						Water	STRATA				Instrument/ Backfill
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N		Reduced Level	Legend (Thick-ness)	Depth	DESCRIPTION	
1 0.90-1.20	B1						73.52		0.30	Grass onto: Firm orange brown sandy CLAY.	
								(0.60)	Brown slightly sandy CLAY.		
2 2.50-2.70	B2						72.92		0.90	Orange brown very sandy GRAVEL. Gravel is medium to coarse rounded to subangular flint.	
								(1.60)			
3 4.50-4.70	B3						71.32		2.50	Yellow brown gravelly coarse SAND. Gravel is medium to coarse rounded to subround flint.	
								(2.70)			
4 6.00-6.50	U100						68.62		5.20	Stiff grey slightly gravelly CLAY. Gravel is fine to medium subangular flint and rare chalk.	
								(3.30)			
5 8.60-8.90	B4						65.32		8.50	Orange brown sandy GRAVEL. Gravel is medium to coarse rounded to subrounded flint.	
								(2.10)			

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
											1) Hand dug inspection pit to 1.2m. 2) Bored 250mm casing to 7.5m, 200mm casing to 19m, bentonite seal from 6.5-7.5m. 3) Two 50mm wells installed, screened from 9.0-12.0m & 15.0-19.0m.

All dimensions in metres Scale 1:62.5	Contractor: Endeavour Ltd Plant: Dando 3000	Method: Cable Percussion Hole Size: 250/200	Logged By: DH	Approved By: PW
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Form SLR AGS3 UK BH File 140707_408.01009.00064_X_COMPLETE_LCP_LOGS_PW.GPJ 07-07-14

BOREHOLE LOG

BOREHOLE No.
BH106L&C

Client:
BRETT AGGREGATES LTD



Project No:
402.01009.00064

Date:
07/08/13

Ground Level:
73.82maOD

Co-ordinates:
E520409.292 N208178.906

Project:
HATFIELD AERODROME

Sheet:
2 of 2

SAMPLES & TESTS						STRATA					Instrument/ Backfill																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N	Water	Reduced Level	Legend (Thick-ness)	Depth	DESCRIPTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
11 11.10-11.30	B5						63.22		10.60	Orange brown sandy GRAVEL. Gravel is medium to coarse rounded to subrounded flint. <i>(continued)</i>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
							62.72		(0.50) 11.10	Soft yellow brown slightly gravelly CLAY. Gravel is fine rounded to subrounded flint and rare chalk.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
							62.22		(0.50) 11.60	Orange brown sandy GRAVEL. Gravel is fine to coarse rounded to subrounded flint.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
							61.92		11.90	Soft yellow brown sandy CLAY.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
12	B6								(1.60)	Orange brown slightly to very sandy fine to coarse GRAVEL. Gravel is rounded to subrounded flint.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
60.32										13.50		White CHALK. (recovered silty gravel and cobbles. Gravel is angular medium flint and chalk. Cobbles are angular chalk).																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
												58.82	15.00	White CHALK (recovered soft chalk silt)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
														54.82	19.00	Borehole complete at 19.00m																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
											1) Hand dug inspection pit to 1.2m. 2) Bored 250mm casing to 7.5m, 200mm casing to 19m, bentonite seal from 6.5-7.5m. 3) Two 50mm wells installed, screened from 9.0-12.0m & 15.0-19.0m.

All dimensions in metres
Scale 1:62.5

Contractor: Endeavour Ltd
Plant: Dando 3000

Method: Cable Percussion
Hole Size: 250/200

Logged By:
DH

Approved By:
PW

BOREHOLE LOG

BOREHOLE No.
BH106U

Client:
BRETT AGGREGATES LTD



Project No:
402.01009.00064







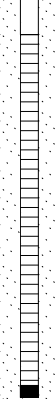

Date:
08/08/13

Ground Level:
73.82maOD

Co-ordinates:
E520409.017 N208180.311

Project:
HATFIELD AERODROME

Sheet:
1 of 1

SAMPLES & TESTS						Water	STRATA				Instrument/ Backfill
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N		Reduced Level	Legend (Thickness)	Depth	DESCRIPTION	
1 1.30-1.50	B1						73.52		0.30	Grass onto: Firm orange brown sandy CLAY.	
									(0.60)	Brown slightly sandy CLAY.	
							72.92		0.90		
2 3.30-3.50	B2							(1.60)	2.50	Orange brown sandy GRAVEL. Gravel is fine to coarse rounded to subangular flint.	
									71.32		
3 3.30-3.50								(2.70)	5.20	Yellow brown gravelly fine to coarse SAND. Gravel is fine to coarse rounded to subrounded flint.	
									68.62		
									68.32		
6										Borehole complete at 5.50m	
7											
8											
9											

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
											1) Hand dug inspection pit to 1.2m. 2) Bored 200mm to 5.5m. 3) 50mm well installed, creened from 2.3-5.3m.

All dimensions in metres
Scale 1:62.5

Contractor: Endeavour Ltd
Plant: Dando 3000

Method: Cable Percussion
Hole Size: 200

Logged By:
DH

Approved By:
PW

BOREHOLE LOG				BOREHOLE No. BH107L&C	
Client: BRETT AGGREGATES LTD					
Project No: 402.01009.00064		Date: 18/02/14	Ground Level: 77.25maOD		
Project: HATFIELD AERODROME				Sheet: 1 of 1	

SAMPLES & TESTS						Water	STRATA				Instrument/ Backfill
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N		Reduced Level	Legend (Thick-ness)	Depth	DESCRIPTION	
1	B1							(0.90)	Grass onto: Soft brown sandy CLAY.		
1.50-2.00							76.35	0.90	Orangebrown very sandy GRAVEL. Gravel is medium to coarse rounded to subangular flint.		
2	B2							(3.30)	Stiff brown orange mottled sandy gravelly CLAY. Gravel is fine to medium angular flint.		
3							73.05	4.20			Yellow brown fine to coarse SAND.
3.00-3.50	B3							4.50	Stiff grey slightly gravelly CLAY. Gravel is fine to medium subangular flint and rare chalk.		
4							72.75	6.50			Borehole complete at 6.90m
4.50-5.00	D4							6.90			
5											
6											
6.50-6.90											
7											
8											
9											

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
											1) Hand dug inspection pit to 0.5m - pit infilled with water. 2) Bored 150mm to 6.9m. 3) 50mm well installed, screened from 0.7-6.7m.

All dimensions in metres Scale 1:62.5	Contractor: Endeavour Ltd Plant: Dando 3000	Method: Cable Percussion Hole Size: 150	Logged By: RM	Approved By: PW
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Form SLR AGS3 UK BH File 140707_408.01009.00064_X_COMPLETE_LCP_LOGS_PW.GPJ 07-07-14

BOREHOLE LOG

BOREHOLE No.
FT101

Client:
BRETT AGGREGATES LTD



Project No:
402.01009.00064

















Date:
16/08/13

Ground Level:
76.46maOD

Co-ordinates:
E519874.462 N208535.875

Project:
HATFIELD AERODROME

Sheet:
1 of 1

SAMPLES & TESTS						Water	STRATA				Instrument/ Backfill
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N		Reduced Level	Legend (Thickness)	Depth	DESCRIPTION	
0.50-0.70	B1						75.96		(0.50) 0.50	Grass onto: Firm orange brown sandy CLAY.	
1										Orange brown clayey sandy GRAVEL. Gravel is medium to coarse rounded to subangular flint and chert.	
2											
2.50-2.70	B2								(3.50)		
3											
4							72.46		4.00	Orange brown slightly gravelly medium SAND. Gravel is angular to rounded fine to coarse flint.	
							71.96		(0.50) 4.50	Stiff orange brown CLAY.	
							71.66		4.80		
5										Borehole complete at 4.80m	
6											
7											
8											
9											

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
											1) Hand dug inspection pit to 1.2m. 2) Bored 200mm to 4.8m. 3) 50mm well installed, screened from 2.0-4.5m.

All dimensions in metres
Scale 1:62.5

Contractor: Endeavour Ltd
Plant: Dando 3000

Method: Cable Percussion
Hole Size: 200

Logged By:
DH

Approved By:
PW

BOREHOLE LOG

BOREHOLE No.
FT102

Client:
BRETT AGGREGATES LTD



Project No:
402.01009.00064








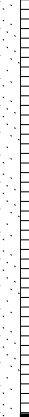








Date:
15/08/13

Ground Level:
77.07maOD

Co-ordinates:
E519801.096 N208548.599

Project:
HATFIELD AERODROME

Sheet:
1 of 1

SAMPLES & TESTS						Water	STRATA				Instrument/ Backfill
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N		Reduced Level	Legend (Thick-ness)	Depth	DESCRIPTION	
0.50-0.70	B1						76.87		0.20	Grass onto: Firm orange brown sandy CLAY.	
							76.57		0.50	Firm dark brown sandy slightly gravelly CLAY. Gravel is angular fine flint.	
1								(2.00)	Orange brown sandy GRAVEL with occasional sandy clay lenses. Gravel is medium to coarse rounded to subangular flint / chert.		
2											
2.50-2.70	B2						74.57		2.50	Light grey clayey very sandy GRAVEL with occasional sandy clay lenses. Gravel is medium to coarse rounded to subangular flint / chert.	
3								(1.90)			
4											
4.50-4.70	B3						72.67		4.40	Orange brown slightly gravelly medium SAND. Gravel is fine angular flint.	
5								(1.80)			
6							70.87		6.20	Stiff orange brown CLAY.	
							70.57		6.50	Stiff grey slightly gravelly CLAY. Gravel is fine to medium subangular flint and rare chalk.	
							70.27		6.80		
7									Borehole complete at 6.80m		
8											
9											

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
											1) Hand dug inspection pit to 1.2m. 2) Bored 200mm to 6.8m. 3) 50mm well installed, screened from 2.0-6.0m.

All dimensions in metres
Scale 1:62.5






























































































































































































Contractor: Endeavour Ltd
Plant: Dando 3000

Method: Cable Percussion
Hole Size: 200

Logged By:
DH

Approved By:
PW

BOREHOLE LOG				BOREHOLE No. FT103	
Client: BRETT AGGREGATES LTD					
Project No: 402.01009.00064		Date: 14/08/13	Ground Level: 77.69maOD	Co-ordinates: E519800.953 N208477.891	
Project: HATFIELD AERODROME					
					Sheet: 1 of 1

SAMPLES & TESTS						Water	STRATA				Instrument/ Backfill
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N		Reduced Level	Legend (Thick-ness)	Depth	DESCRIPTION	
1 1.20-1.50	B1						77.49		0.20	Grass onto: Firm orange brown sandy CLAY.	                                                           
2 3.20-3.50	B2						76.49		1.20	Orange brown slightly silty sandy to very sandy GRAVEL. Gravel is medium to coarse rounded to subangular flint / chert.	                                                    
4 4.30-4.50	B3						73.59		4.10	Firm light brown sandy CLAY.	                                    
7 7.00-7.10							70.79		6.90	Firm light brown sandy CLAY.	                  
8							69.99		7.70	Borehole complete at 7.70m	              
9											

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
											1) Hand dug inspection pit to 1.2m. 2) Bored 200mm to 7.7m. 3) 50mm well installed, screened from 1.8-6.8m.

All dimensions in metres Scale 1:62.5	Contractor: Endeavour Ltd Plant: Dando 3000	Method: Cable Percussion Hole Size: 200	Logged By: DH	Approved By: PW
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Form SLR AGS3 UK BH File 140707_408.01009.00064_X_COMPLETE_LCP_LOGS_PW.GPJ 07-07-14

BOREHOLE LOG

BOREHOLE No.
BH105UX

Client:
BRETT AGGREGATES LTD



Project No:
402.01009.00064











































































Date:
20/05/14

Ground Level:
80.04maOD

Co-ordinates:
E520385 N209021

Project:
HATFIELD AERODROME

Sheet:
1 of 2

SAMPLES & TESTS						Water	STRATA				Instrument/ Backfill
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N		Reduced Level	Legend (Thick- ness)	Depth	DESCRIPTION	
1							79.94		0.10	Grass onto TOPSOIL (Brown sandy CLAY containing rootlets occasional coarse flinty gravel).	
									(1.10)	Soft orange brown slightly sandy slightly gravelly CLAY. Gravel is fine with rare coarse chert.	
2							78.84		1.20	Soft to firm orange brown and grey mottled slightly gravelly CLAY. Gravel comprises medium subangular flint.	
									(1.60)		
3							77.24		2.80	Stiff to very stiff light brown sandy gravelly CLAY. Gravel is fine chalk and fine to coarse subangular to subrounded flint, quartz and chert.	
									(1.90)		
4							75.34		4.70	Orange to pale yellow slightly clayey fine SAND. Orange to pale yellow brown gravelly fine to medium becoming coarse SAND. Gravel is fine to coarse subangular to rounded flint.	
							75.24		4.80		
5											
6											
7											
8											
9											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
											1) Hand dug inspection pit to 1.20m. 2) 50mm well installed, screened 4.5-10.5m.

All dimensions in metres
Scale 1:62.5




Contractor: SLR Consulting
Plant: Dando

Method: Cable Percussion
Hole Size: 200mm

Logged By:
DH

Approved By:
PW

BOREHOLE LOG				BOREHOLE No. BH105UX			
Client: BRETT AGGREGATES LTD							
Project No: 402.01009.00064		Date: 20/05/14				Ground Level: 80.04maOD	
Project: HATFIELD AERODROME				Sheet: 2 of 2			

SAMPLES & TESTS						Water	STRATA				Instrument/ Backfill
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N		Reduced Level	Legend (Thickness)	Depth	DESCRIPTION	
11							69.54		10.50	Orange to pale yellow brown gravelly fine to medium becoming coarse SAND. Gravel is fine to coarse subangular to rounded flint. (continued)	
							68.94		(0.60) 11.10	Firm grey brown slightly sandy CLAY with flecks of chalk and fine to medium flint gravel.	
										Borehole complete at 11.10m	
12											
13											
14											
15											
16											
17											
18											
19											

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
											1) Hand dug inspection pit to 1.20m. 2) 50mm well installed, screened 4.5-10.5m.

All dimensions in metres Scale 1:62.5	Contractor: SLR Consulting Plant: Dando	Method: Cable Percussion Hole Size: 200mm	Logged By: DH	Approved By: PW
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Form SLR AGS3 UK BH File 140703_402.01009.00064 BH107TOBH201_2014_LCP_LOGS_PW.GPJ 07-07-14

BOREHOLE LOG

BOREHOLE No.
BH107L&C

Client:
BRETT AGGREGATES LTD



Project No:
402.01009.00064



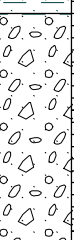


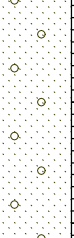


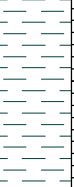



Date:
02/05/14

Ground Level:
77.21maOD

Co-ordinates:
E519795 N208133

Project:
HATFIELD AERODROME

Sheet:
1 of 3

SAMPLES & TESTS						Water	STRATA				Instrument/ Backfill
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N		Reduced Level	Legend (Thick-ness)	Depth	DESCRIPTION	
							76.71		(0.50) 0.50	Grass onto TOPSOIL (Brown sandy CLAY containing rootlets).	
1											
1.20-2.20	B1	<5					76.01		(0.70) 1.20	Firm orange brown slightly gravelly sandy CLAY. Gravel is fine to medium rounded to subangular flint.	
2											
2.20-3.20	B2	<5							(2.10)	Orange brown sandy fine to coarse GRAVEL. Gravel is subangular to rounded flint with occasional subrounded flint cobbles.	
3											
3.20-4.20	B3	<5					73.91		3.30		
							73.71		3.50	Orange brown sandy CLAY with occasional gravel. Gravel is fine to medium subangular chert and flint.	
4											
4.20-5.20	B4	<5							(3.00)	Orange brown slightly gravelly fine to coarse SAND. Gravel is medium to coarse subangular to subrounded flint with rare chalk.	
5											
5.20-6.20	B5	<5									
6											
							70.71		6.50		
7							70.21		(0.50) 7.00	Brown fine to medium SAND with at 6.80m pockets of soft red brown clay.	
8											
									(2.00)	Firm to stiff grey slightly sandy gravelly CLAY. Gravel comprises fine subangular flint and chalk.	
9							68.21		9.00		
									(0.80)	Firm to stiff orange brown slightly sandy slightly gravelly CLAY. Gravel is fine subangular to subrounded chert and chalk.	
9.80-10.80	B6	<5					67.41		9.80		
							67.31		9.90	Soft to firm orange brown slightly sandy gravelly CLAY. Gravel is fine to medium	

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
											1) Hand dug inspection pit to 1.20m. 2) Bored 250mm to 9.0m and 200mm to base. 3) 50mm wells installed, screened 11.0-16.0m and 20.3-23.3m.

All dimensions in metres
Scale 1:62.5

Contractor: SLR Consulting
Plant: Dando

Method: Cable Percussion
Hole Size: 250/200mm

Logged By:
DH

Approved By:
PW

BOREHOLE LOG

BOREHOLE No.
BH107L&C







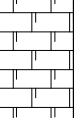
Client:
BRETT AGGREGATES LTD



Project No: 402.01009.00064 Date: 02/05/14 Ground Level: 77.21maOD Co-ordinates: E519795 N208133

Project:
HATFIELD AERODROME

Sheet:
2 of 3

SAMPLES & TESTS						Water	STRATA				Instrument/ Backfill
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N		Reduced Level	Legend (Thick-ness)	Depth	DESCRIPTION	
10.80-11.80 11	B7	<5					65.61		(1.70) 11.60	angular to rounded flint, quartz and chert with occasional cobbles of flint. Brown sandy medium to coarse GRAVEL. Gravel is subangular to rounded flint and quartz with frequent flint cobbles. (continued)	
11.80-12.80 12	B8	<5								Brown very sandy medium to coarse GRAVEL with pockets of clay. Gravel is subangular to rounded flint, quartz and chert with occasional rounded to subrounded flint cobbles.	
12.80-13.80 13	B9	<5									
13.80-14.80 14	B10	<5									
14.80-15.80 15	B11	<5							(6.20)		
15.80-16.80 16	B12	<5									
16.80-17.80 17	B13	<5									
17.80-18.30 18	B14	<5					59.41		17.80	Brown very sandy medium to coarse GRAVEL. Gravel is subangular to round flint, quartz and chert with frequent rounded to subrounded flint and occasional chalk cobbles.	
							58.91		(0.50) 18.30	Grey white CHALK. (Recovered as coarse gravel to cobble sized fragments of chalk).	
19											

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
											1) Hand dug inspection pit to 1.20m. 2) Bored 250mm to 9.0m and 200mm to base. 3) 50mm wells installed, screened 11.0-16.0m and 20.3-23.3m.

All dimensions in metres
Scale 1:62.5

Contractor: SLR Consulting
Plant: Dando

Method: Cable Percussion
Hole Size: 250/200mm

Logged By:
DH

Approved By:
PW

BOREHOLE LOG				BOREHOLE No. BH107L&C			
Client: BRETT AGGREGATES LTD							
Project No: 402.01009.00064		Date: 02/05/14				Ground Level: 77.21maOD	
Project: HATFIELD AERODROME				Sheet: 3 of 3			

SAMPLES & TESTS						Water	STRATA				Instrument/ Backfill	
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N		Reduced Level	Legend (Thick-ness)	Depth	DESCRIPTION		
21								(5.00)	Grey white CHALK. (Recovered as coarse gravel to cobble sized fragments of chalk). <i>(continued)</i>			
22												
23						53.91		23.30				
24											Borehole complete at 23.30m	
25												
26												
27												
28												
29												

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
											1) Hand dug inspection pit to 1.20m. 2) Bored 250mm to 9.0m and 200mm to base. 3) 50mm wells installed, screened 11.0-16.0m and 20.3-23.3m.

All dimensions in metres Scale 1:62.5	Contractor: SLR Consulting Plant: Dando	Method: Cable Percussion Hole Size: 250/200mm	Logged By: DH	Approved By: PW
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BOREHOLE LOG

BOREHOLE No.
BH108L&C

Client:
BRETT AGGREGATES LTD



Project No:
402.01009.00064

Date:
19/05/14

Ground Level:
79.71maOD

Co-ordinates:
E520303 N208926

Project:
HATFIELD AERODROME

Sheet:
1 of 3

SAMPLES & TESTS						STRATA				Instrument/ Backfill
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N	Water	Reduced Level	Legend (Thickness)	Depth	
1							79.31		0.40	Turf onto TOPSOIL (Brown sandy CLAY containing rootlets).
2									(4.30)	Soft to firm becoming stiff to very stiff orange brown and grey mottled slightly sandy slightly gravelly CLAY. Gravel is fine to medium rounded to subrounded flint with occasional coarse subrounded gravel.
3										
4										
4.70-5.70	B1	<5					75.01		4.70	Orange yellow brown slightly gravelly fine to medium SAND. Gravel is fine to coarse rounded to subrounded flint and quartz, becoming more gravelly at 6.5m with clay pockets near base.
5										
5.70-6.70	B2	<5								
6										
6.70-7.70	B3	<5								
7										
7.70-8.70	B4	<5							(5.90)	
8										
8.70-9.70	B5	<5								
9										
9.70-10.50	B6	<5								

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
											1) Hand dug inspection pit to 1.20m. 2) Bored 250mm to 11.9m and 200mm to base. 3) 50mm wells installed, screened 14.0-15.5m and 18.5-21.5m.

All dimensions in metres
Scale 1:62.5

Contractor: SLR Consulting
Plant: Dando

Method: Cable Percussion
Hole Size: 250/200mm

Logged By:
DH

Approved By:
PW

BOREHOLE LOG

BOREHOLE No.
BH108L&C

Client:
BRETT AGGREGATES LTD



Project No:
402.01009.00064

Date:
19/05/14

Ground Level:
79.71maOD

Co-ordinates:
E520303 N208926

Project:
HATFIELD AERODROME

Sheet:
2 of 3

SAMPLES & TESTS						Water	STRATA				Instrument/ Backfill
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N		Reduced Level	Legend (Thick- ness)	Depth	DESCRIPTION	
11	B7	<5						69.11	10.60	Orange yellow brown slightly gravelly fine to medium SAND. Gravel is fine to coarse rounded to subrounded flint and quartz, becoming more gravelly at 6.5m with clay pockets near base. (continued)	
								68.51	11.20	Very stiff grey brown sandy gravelly CLAY. Gravel is fine rounded to subrounded flint and flecks of chalk.	
									Stiff to very stiff brown sandy gravelly CLAY. Gravel is fine to medium rounded to subrounded flint, quartz and scattered fine chalk. With occasional rounded to subrounded flint cobbles.		
14.00-15.00	B8	<5						65.91	13.80	Firm to stiff becoming soft brown sandy gravelly CLAY with frequent coarse subangular to subrounded gravel and flint, chert and quartz cobbles.	
							65.71	14.00	Brown slightly sandy GRAVEL becoming clayey at base. Gravel is fine to coarse angular to rounded flint and chert with occasional rounded flint cobbles.		
15.00-16.00	B9	<5						65.01	14.70	Brown gravelly medium to coarse SAND. Gravel is fine to coarse subangular to rounded flint, chert and quartz.	
								64.61	15.10	Brown slightly sandy GRAVEL. Gravel is fine to coarse angular to rounded flint, chert and quartz with occasional rounded to subrounded flint cobbles.	
16.00-16.50								63.21	16.50	Gey white gravelly chalky CLAY. Gravel is coarse chalk and flint.	
								63.11	16.60	Grey white CHALK (Recovered as coarse gravel to cobble sized fragments of chalk with rare flint cobbles).	
17										Flint GRAVEL and COBBLES	
										White CHALK. (Recovered as coarse gravel to cobble sized fragments of chalk).	
18								61.71	18.00	Orange yellow brown slightly gravelly fine to medium SAND. Gravel is fine to coarse rounded to subrounded flint and quartz, becoming more gravelly at 6.5m with clay pockets near base. (continued)	
								61.31	18.40	Very stiff grey brown sandy gravelly CLAY. Gravel is fine rounded to subrounded flint and flecks of chalk.	
19										Stiff to very stiff brown sandy gravelly CLAY. Gravel is fine to medium rounded to subrounded flint, quartz and scattered fine chalk. With occasional rounded to subrounded flint cobbles.	

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
											1) Hand dug inspection pit to 1.20m. 2) Bored 250mm to 11.9m and 200mm to base. 3) 50mm wells installed, screened 14.0-15.5m and 18.5-21.5m.

All dimensions in metres
Scale 1:62.5

Contractor: SLR Consulting
Plant: Dando

Method: Cable Percussion
Hole Size: 250/200mm

Logged By:
DH

Approved By:
PW



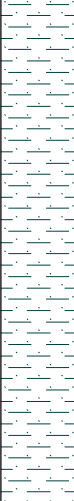

BOREHOLE LOG				BOREHOLE No. BH108L&C	
Client: BRETT AGGREGATES LTD					
Project No: 402.01009.00064		Date: 19/05/14	Ground Level: 79.71maOD	Co-ordinates: E520303 N208926	
Project: HATFIELD AERODROME					Sheet: 3 of 3

SAMPLES & TESTS						Water	STRATA				Instrument/ Backfill
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N		Reduced Level	Legend (Thickness)	Depth	DESCRIPTION	
21							<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><di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Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
											1) Hand dug inspection pit to 1.20m. 2) Bored 250mm to 11.9m and 200mm to base. 3) 50mm wells installed, screened 14.0-15.5m and 18.5-21.5m.

All dimensions in metres Scale 1:62.5	Contractor: SLR Consulting Plant: Dando	Method: Cable Percussion Hole Size: 250/200mm	Logged By: DH	Approved By: PW
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BOREHOLE LOG				BOREHOLE No. BH108U	
Client: BRETT AGGREGATES LTD					
Project No: 402.01009.00064		Date: 08/05/14	Ground Level: 79.71maOD	Co-ordinates: E520303 N208927	
Project: HATFIELD AERODROME					
					Sheet: 1 of 2

SAMPLES & TESTS						Water	STRATA				Instrument/ Backfill
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N		Reduced Level	Legend (Thick-ness)	Depth	DESCRIPTION	
1							79.31		0.40	Grass onto TOPSOIL (Brown clayey SAND containing rootlets).	
									(4.30)	Stiff orange grey brown mottled sandy slightly gravelly CLAY. Gravel comprises fine to medium rounded to subrounded flint.	
4.70-5.70	B1	<5					75.01	4.70	Orange to pale yellow slightly gravelly fine to medium grading into coarse SAND. Gravel comprises rounded to subrounded flint and occasional quartz with occasional pockets of clay at 10.1m.		
5.70-6.70	B2	<5									
6.70-7.70	B3	<5									
7.70-8.70	B4	<5						(5.80)			
8.70-9.70	B5	<5									
9.70-10.50	B6	<5									

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	

All dimensions in metres Scale 1:62.5	Contractor: SLR Consulting Plant: Dando	Method: Cable Percussion Hole Size: 200mm	Logged By: DH	Approved By: PW
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Form SLR AGS3 UK BH File 140703_402.01009.00064_BH107TOBH201_2014_LCP_LOGS_PW.GPJ 07-07-14

BOREHOLE LOG				BOREHOLE No. BH108U	
Client: BRETT AGGREGATES LTD					
Project No: 402.01009.00064		Date: 08/05/14	Ground Level: 79.71maOD		
Project: HATFIELD AERODROME				Sheet: 2 of 2	

SAMPLES & TESTS						Water	STRATA				Instrument/ Backfill
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N		Reduced Level	Legend (Thickness)	Depth	DESCRIPTION	
11										Very stiff grey brown sandy gravelly CLAY. Gravel is fine rounded to subrounded flint and flecks of chalk.	
							69.21		10.50		
							68.71		(0.50) 11.00		
12										Borehole complete at 11.00m	
13											
14											
15											
16											
17											
18											
19											

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	

1) Hand dug inspection pit to 1.20m.
2) 50mm well installed, screened 4.5 to 10.5m.

All dimensions in metres Scale 1:62.5	Contractor: SLR Consulting Plant: Dando	Method: Cable Percussion Hole Size: 200mm	Logged By: DH	Approved By: PW
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BOREHOLE LOG				BOREHOLE No. BH201L	
Client: BRETT AGGREGATES LTD					
Project No: 402.01009.00064		Date: 14/05/14	Ground Level: 79.00maOD	Co-ordinates: E520233 N208856	
Project: HATFIELD AERODROME					
					Sheet: 1 of 2

SAMPLES & TESTS							STRATA				Instrument/ Backfill
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N	Water	Reduced Level	Legend (Thickness)	Depth	DESCRIPTION	
							78.50		(0.50) 0.50	Grass onto TOPSOIL (Brown sandy CLAY containing rootlets).	
1											
2											
3									(3.80)		
4							74.70		4.30		
5									(1.20)	Stiff to very stiff brown grey gravelly CLAY. Gravel is fine to medium rounded to subrounded chalk with occasional fine to medium flint and occasional chalk cobbles.	
5.50-6.50	B1	<5					73.50		5.50		
6											
6.50-7.50	B2	<5									
7											
7.50-8.50	B3	<5							(4.20)		
8											
8.50-9.50	B4	<5									
9											
							69.30		9.70		

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
											1) Hand dug inspection pit to 1.20m. 2) Bored 250mm to 11.0m, 200mm to 15.5m, 150mm to base. 3) 50mm wells installed, screened 12.9-13.9m and 15.0-18.3m.

All dimensions in metres Scale 1:62.5	Contractor: SLR Consulting Plant: Dando	Method: Cable Percussion Hole Size: 250/200/150mm	Logged By: DH	Approved By: PW
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BOREHOLE LOG

BOREHOLE No.
BH201L

Client:
BRETT AGGREGATES LTD



Project No:
402.01009.00064












































Date:
14/05/14

Ground Level:
79.00maOD

Co-ordinates:
E520233 N208856

Project:
HATFIELD AERODROME

Sheet:
2 of 2

SAMPLES & TESTS						Water	STRATA				Instrument/ Backfill
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N		Reduced Level	Legend (Thick-ness)	Depth	DESCRIPTION	
11	B5	<5						(1.90)	Stiff to very stiff grey to dark grey slightly sandy gravelly CLAY. Gravel is fine to coarse subangular to rounded chalk and rare flint. (continued)		
12								(1.30)	Firm brown sandy gravelly CLAY. Gravel is medium to coarse rounded to subrounded flint with scattered fine chalk and occasional flint cobbles.		
12.90-13.90								(1.00)	Orange brown sandy coarse GRAVEL. Gravel is fine to coarse angular to rounded flint with occasional cobbles.		
13								(1.30)	Firm to stiff orange brown slightly sandy slightly gravelly CLAY. Gravel is coarse subangular flint.		
14	B6	<5						(1.30)	Soft orange brown grey mottled slightly gravelly CLAY. Gravel is medium to coarse subangular to rounded flint.		
15								(1.90)	Grey slightly clayey sandy GRAVEL. Gravel is fine to coarse angular to rounded flint and quartz with occasional flint cobbles.		
15.50-16.50								(0.70)	Soft brown slightly sandy slightly gravelly CLAY. Gravel is fine to medium subangular to subrounded flint and quartz.		
16								(1.90)	Brown coarse sandy GRAVEL with pockets of chalky clay. Gravel is subangular to subrounded flint with occasional cobbles.		
16.50-17.40	B7	<5						(1.90)	Stiff light brown to white slightly gravelly CLAY. Gravel is fine chalk and coarse rounded to subangular flint.		
17								(1.90)	Grey white CHALK. (Recovered as coarse gravel to cobble sized fragments of chalk).		
18								(0.70)			
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Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
											1) Hand dug inspection pit to 1.20m. 2) Bored 250mm to 11.0m, 200mm to 15.5m, 150mm to base. 3) 50mm wells installed, screened 12.9-13.9m and 15.0-18.3m.

All dimensions in metres
Scale 1:62.5

Contractor: SLR Consulting
Plant: Dando

Method: Cable Percussion
Hole Size: 250/200/150mm

Logged By:
DH

Approved By:
PW