

Delta-Simons 3 Henley Office Park, Doddington Road, Lincoln, LN6 3QR Tel: +44 (0) 870 0400 012 Fax: +44 (0) 1522 698393 Email: info@deltasimons.com									
Project: Stanbridge Road, Havant				Project No: 13-0646.01		Hole ID: BH5			
CABLE PERCUSSION BOREHOLE LOG				Date From / To: 11/12/2014 - 12/12/2014		Client: BCP (Havant) LLP			

DESCRIPTION OF STRATA	LEGEND	WATER	CASING DEPTH / (Diam. mm)	REDUCED LEVEL/ DEPTH (Thickness)	Sample Details			Test Results	Backfill Details
					TYPE	REF	Depth	SPT N Value/Drive mm	
Concrete.				15.88 0.30 15.68 0.50	D		0.50		
MADE GROUND: Firm brown gravelly CLAY. Gravel is fine to medium grained brick.				(1.10)			1.00 - 1.45	CPT N=13 3,2/2,3,4,4	
Firm brown gravelly CLAY. Gravel is fine to medium sub-angular to sub-rounded chert. [HEAD DEPOSITS]				14.58 1.60	D		1.50		
Medium dense and dense light brown sandy GRAVEL. Gravel is fine to medium angular to sub-angular chert. [RIVER TERRACE DEPOSITS]			(4.60)	B		2.00	2.00 - 2.45	CPT N=42 5,6/8,8,12,14	
				D		3.00	3.00 - 3.45	CPT N=50/285mm (9,11/12,11,15,12/60mm)	
				D		4.00	4.00 - 4.45	CPT N=24 5,5/6,5,6,7	
				D		5.00	5.00 - 5.45	CPT N=28 9,12/8,7,7,6	
Firm brown slightly silty CLAY with occasional chert gravel. [LONDON CLAY FORMATION]				9.98 6.20 (0.70)			6.00 - 6.45	CPT N=10 4,3/2,2,3,3	
Stiff brown slightly silty CLAY with occasional silty partings. [LONDON CLAY FORMATION]				9.28 6.90 (1.20)	D		7.00		
Stiff slightly gravelly CLAY. Gravel is fine to medium sub-angular to sub-rounded chert. [LONDON CLAY FORMATION]			(1.85)	U		7.50 - 7.95		U=70/450mm	
				D		9.00 - 9.45	SPT N=27 5,5/5,7,7,8		
				9.50 9.50 - 9.95			9.50	SPT N=42 5,7/8,11,11,12	
			9.95	6.23 9.95					

REMARKS : 1. Engineer verified logged in general accordance to BS 5930:2010. 2. Area CAT scanned prior to excavation. 3. Water added from 1.50m bgl. 4. Groundwater encountered at 6.90m bgl. 5. Installed with a HDPE standpipe to 9.00m bgl.	CHISELLING			WATER LEVEL OBSERVATIONS					
	Depth From	Depth To	Time Taken		Date	Time	Water Strike	Standing Level	Casing Depth
	2.20	3.00	01:30	1	12-12-14		6.90	5.20	6.00
	3.00	3.70	01:15						
	BOREHOLE DIAMETER		CASING DIAMETER		DEPTH SEALED				
			150mm to 9.95m						

All measurements in metres unless otherwise stated	10m/page Scale: 1:62.50	Coordinates to National Grid Ground Level to Ordnance Datum	Page 1 of 2
Plant Used: Dando 2000	Coordinates / Level (mAOD): E: 427712 N: 107265 Level: 16.18	Logged By: ML	Checked By: AC Approved By: DW

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Project:	Stanbridge Road, Havant	Project No:	13-0646.01	Hole ID:	BH5
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CABLE PERCUSSION BOREHOLE LOG

Date From / To:
11/12/2014 - 12/12/2014

Client:
BCP (Havant) LLP

DESCRIPTION OF STRATA	LEGEND	WATER	CASING DEPTH / (Diam. mm)	REDUCED LEVEL/ DEPTH (Thickness)	Sample Details			Test Results	Backfill Details
					TYPE	REF	Depth	SPT N Value/Drive mm	
Borehole complete at 9.95m bgl.									

REMARKS :

1. Engineer verified logged in general accordance to BS 5930:2010.
2. Area CAT scanned prior to excavation.
3. Water added from 1.50m bgl.
4. Groundwater encountered at 6.90m bgl.
5. Installed with a HDPE standpipe to 9.00m bgl.

CHISELLING

Depth From	Depth To	Time Taken		Date	Time	Water Strike	Standing Level	Casing Depth
2.20	3.00	01:30	1	12-12-14		6.90	5.20	6.00
3.00	3.70	01:15						

WATER LEVEL OBSERVATIONS

BOREHOLE DIAMETER

CASING DIAMETER

DEPTH SEALED

150mm to 9.95m

All measurements in metres unless otherwise stated

10m/page Scale: 1:62.50

Coordinates to National Grid
 Ground Level to Ordnance Datum

Page 2 of 2

Plant Used: Dando 2000	Coordinates / Level (mAOD): E: 427712 N: 107265 Level: 16.18	Logged By: ML	Checked By: AC	Approved By: DW
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Project: Stanbridge Road, Havant				Project No: 13-0646.01		Hole ID: BH6			
CABLE PERCUSSION BOREHOLE LOG				Date From / To: 18/12/2014 - 22/12/2014		Client: BCP (Havant) LLP			

DESCRIPTION OF STRATA	LEGEND	WATER	CASING DEPTH / (Diam. mm)	REDUCED LEVEL/ DEPTH (Thickness)	Sample Details			Test Results	Backfill Details
					TYPE	REF	Depth	SPT N Value/Drive mm	
Concrete.				16.49 0.30	B		0.30 - 0.60		
MADE GROUND: Orange brown slightly sandy very gravelly CLAY. Sand is fine to medium, gravel is sub-angular.				(0.60) 15.89 0.90	B		0.90 - 1.30		
MADE GROUND: Dense black silty sandy GRAVEL of tarmacadam/ asphalt.				15.49 1.30 15.29 1.50	B		1.30 - 1.60 1.50 - 1.95	CPT N=24 2,3/4,6,6,8	
MADE GROUND: Gravel sub-base.				(1.50)			2.50 - 2.95	CPT N=33 3,5/7,8,8,10	
Stiff light brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse, gravel is fine to coarse angular to sub-angular flint/ chert. Becoming very gravelly at base. [HEAD DEPOSITS]				13.79 3.00			3.50 - 3.95	CPT N=58 1,4/9,15,21,13	
Dense and very dense light brown sandy, cobbly GRAVEL. Gravel is fine to coarse angular to sub-angular flint/ chert. [RIVER TERRACE DEPOSITS]			(200mm)	(2.50)			4.50 - 4.95	CPT N=37 2,7/7,8,11,11	
Firm brown gravelly CLAY. [LONDON CLAY FORMATION]				11.29 5.50					
Firm grey CLAY with rare orange mottling and slightly organic partings and rare sub-angular flint gravel. [LONDON CLAY FORMATION]				(1.30) 9.99 6.80	B		6.80 - 7.20		
Stiff light and dark grey slightly gravelly CLAY. Slightly organic traces at top of strata. Gravel is fine to medium, sub-angular to subrounded chert. [LONDON CLAY FORMATION]				(1.20) 8.79 8.00	U		7.50 - 7.95	U=40/450mm	
				(1.95)	D		8.00 - 8.00		
					U		9.00 - 9.45	U=55/450mm	
					D		9.50 - 9.95 9.50 - 9.95	SPT N=24 2,3/4,6,6,8	
			9.95	6.84 9.95					

REMARKS : 1. Engineer verified logged in general accordance to BS 5930:2010. 2. Area CAT scanned prior to excavation. 3. Water added from 3.00m - 6.00m bgl. 4. Groundwater encountered at 7.00m bgl. 5. Backfilled with arisings.				CHISELLING			WATER LEVEL OBSERVATIONS					
				Depth From	Depth To	Time Taken		Date	Time	Water Strike	Standing Level	Casing Depth
				0.90	1.30	02:30	1	19-12-14		7.00		6.00
				3.00	5.00	02:00						
				BOREHOLE DIAMETER		CASING DIAMETER		DEPTH SEALED				
						200mm to 9.95m						

All measurements in metres unless otherwise stated		10m/page Scale: 1:62.50	No Coordinate Data Available Ground Level to Ordnance Datum		Page 1 of 2
Plant Used: Pilson Cut Down	Coordinates / Level (mAOD): Level: 16.79		Logged By: SB	Checked By: AC	Approved By: DW

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Project: **Stanbridge Road, Havant** Project No: **13-0646.01** Hole ID: **BH6**

CABLE PERCUSSION BOREHOLE LOG

Date From / To:
18/12/2014 - 22/12/2014

Client:
BCP (Havant) LLP

DESCRIPTION OF STRATA	LEGEND	WATER	CASING DEPTH / (Diam. mm)	REDUCED LEVEL/ DEPTH (Thickness)	Sample Details			Test Results		Backfill Details
					TYPE	REF	Depth	SPT N Value/Drive mm		
Borehole complete at 9.95m bgl.										

REMARKS :

1. Engineer verified logged in general accordance to BS 5930:2010.
2. Area CAT scanned prior to excavation.
3. Water added from 3.00m - 6.00m bgl.
4. Groundwater encountered at 7.00m bgl.
5. Backfilled with arisings.

CHISELLING

Depth From	Depth To	Time Taken		Date	Time	Water Strike	Standing Level	Casing Depth
0.90	1.30	02:30	1	19-12-14		7.00		6.00
3.00	5.00	02:00						

WATER LEVEL OBSERVATIONS

BOREHOLE DIAMETER

CASING DIAMETER

DEPTH SEALED

200mm to 9.95m

All measurements in metres
 unless otherwise stated

10m/page Scale: 1:62.50

No Coordinate Data Available
 Ground Level to Ordnance Datum

Page 2 of 2

Plant Used:
Pilcon Cut Down

Coordinates / Level (mAOD):
Level: 16.79

Logged By:
SB

Checked By:
AC

Approved By:
DW

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Project: Stanbridge Road, Havant				Project No: 13-0646.01		Hole ID: BH7			
CABLE PERCUSSION BOREHOLE LOG				Date From / To: 12/12/2014 - 17/12/2014		Client: BCP (Havant) LLP			

DESCRIPTION OF STRATA	LEGEND	WATER	CASING DEPTH / (Diam. mm)	REDUCED LEVEL/ DEPTH (Thickness)	Sample Details			Test Results	Backfill Details
					TYPE	REF	Depth	SPT N Value/Drive mm	
Concrete.				16.59 0.20					
MADE GROUND: Hardcore GRAVEL sub-base.				16.29 0.50					
MADE GROUND: Fine to coarse brick GRAVEL.				15.99 0.80					
Red brown gravelly CLAY. [HEAD DEPOSITS]				15.69 1.10					
Medium dense and dense clayey sandy GRAVEL. Sand is medium to coarse, gravel is fine to coarse, sub-angular to sub-rounded chert. [RIVER TERRACE DEPOSITS]				(4.20)			1.50 - 1.95	CPT N=11 2,4/3,3,3,2	
							2.50 - 2.95	CPT N=33 3,6/7,8,8,10	
							3.50 - 3.95	CPT N=30 2,4/8,6,7,9	
							4.50 - 4.95	CPT N=30 5,7/8,8,7,7	
			(200mm)	11.49 5.30	D		5.30		
Firm brown sandy gravelly CLAY. Gravel is fine to medium, angular to sub-angular chert. [LONDON CLAY FORMATION]				(0.50) 10.99 5.80	D		5.80		
Firm grey CLAY becoming silty towards base. [LONDON CLAY FORMATION]				(2.00)	U		6.00 - 6.45	U=20/450mm	
					D		6.50		
							7.50 - 7.95	SPT N=13 1,2/2,3,3,5	
				8.99 7.80					
Stiff dark grey silty CLAY. [LONDON CLAY FORMATION]				(2.15)	D		9.50		
							9.50 - 9.95	SPT N=24 3,5/5,5,7,7	
			9.95	6.84 9.95					

REMARKS : 1. Engineer verified logged in general accordance to BS 5930:2010. 2. Area CAT scanned prior to excavation. 3. Groundwater encountered at 5.80m bgl. 4. Installed with a HDPE standpipe to 9.50m bgl.				CHISELLING			WATER LEVEL OBSERVATIONS				
				Depth From	Depth To	Time Taken	Date	Time	Water Strike	Standing Level	Casing Depth
				1.10	3.00	03:30	16-12-14		5.80		
				3.00	4.50	03:30					
4.50	5.30	01:00									
BOREHOLE DIAMETER				CASING DIAMETER		DEPTH SEALED					
				200mm to 9.95m							

All measurements in metres unless otherwise stated		10m/page Scale: 1:62.50	No Coordinate Data Available Ground Level to Ordnance Datum		Page 1 of 2
Plant Used: Pilson Cut Down	Coordinates / Level (mAOD): Level: 16.79		Logged By: SB	Checked By: AC	Approved By: DW

107549



O.S. REF.

SU7207SE

Title: 36 Stanbridge Road

Drawn by: banerin

Scale: 1:1250

Date: 23/03/2013

The positions of pipes shown on this plan are believed to be correct, but Southern Water Services Ltd accept no responsibility in the event of inaccuracy.

The actual positions should be determined on site.

WARNING: BAC pipes are constructed of Bonded Asbestos Cement
WARNING: Unknown (UNK) materials may include Bonded Asbestos Cement

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