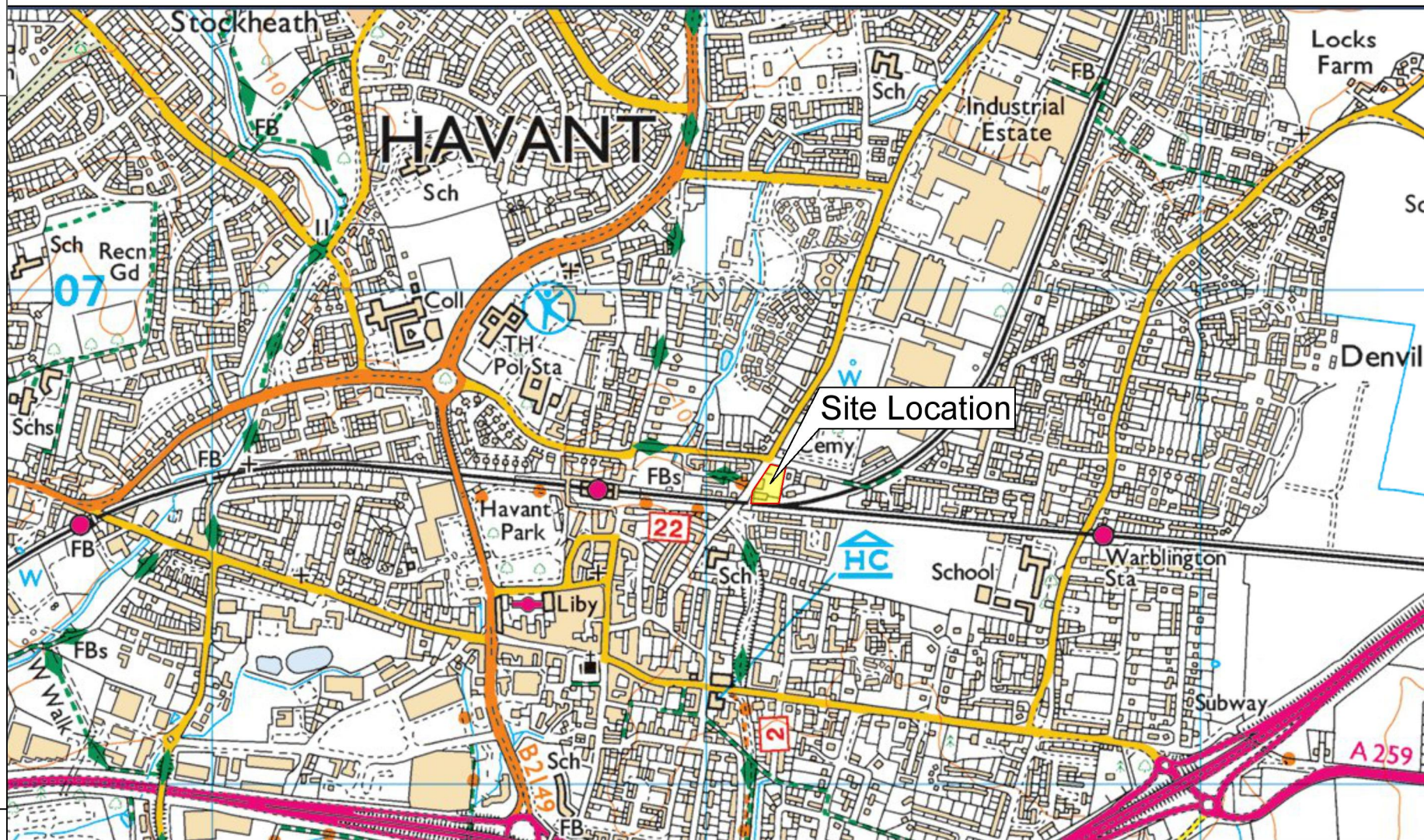
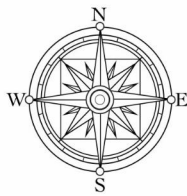


APPENDIX III

DRAWINGS

Key



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PO15 5TH
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E: info@omnia-consulting.co.uk
W: www.omnia-consulting.co.uk



Job Title:

Wessex Yard, New Lane,
Havant

Client:

Days Estates Ltd

Project No:

A10708

Drawn By:

G.Larcombe

Scale:

1:25 000

Date:

16/08/2017

Authorised By:

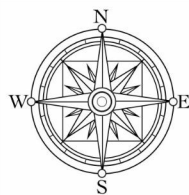
T.Mitchell

Notes:

Drawing Title:

Figure 1.0 - Site Location

Key



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Job Title:

Wessex Yard, New Lane,
Havant

Client:

Days Estates Ltd

Project No:

A10708

Drawn By:

G.Larcombe

Scale:

Date:

16/08/2017

Authorised By:

T.Mitchell

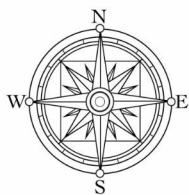
Notes:

Drawing Title:

Figure 2.0 - Proposed
Development Layout



Key



- WS101 Approximate Window Sample Probehole Location
- CP101 Approximate Cable Percussive Borehole Location
- TP101 Approximate Trial Pit Location

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Job Title:

Wessex Yard, New Lane,
Havant

Client:

Days Estates Ltd

Project No:

A10708

Drawn By:

G.Larcombe

Scale:

Date:

24/08/2017

Authorised By:

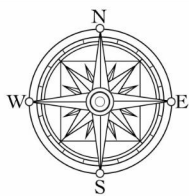
T.Mitchell

Notes:

Drawing Title:

Figure 3.0 - Intrusive Hole
Locations

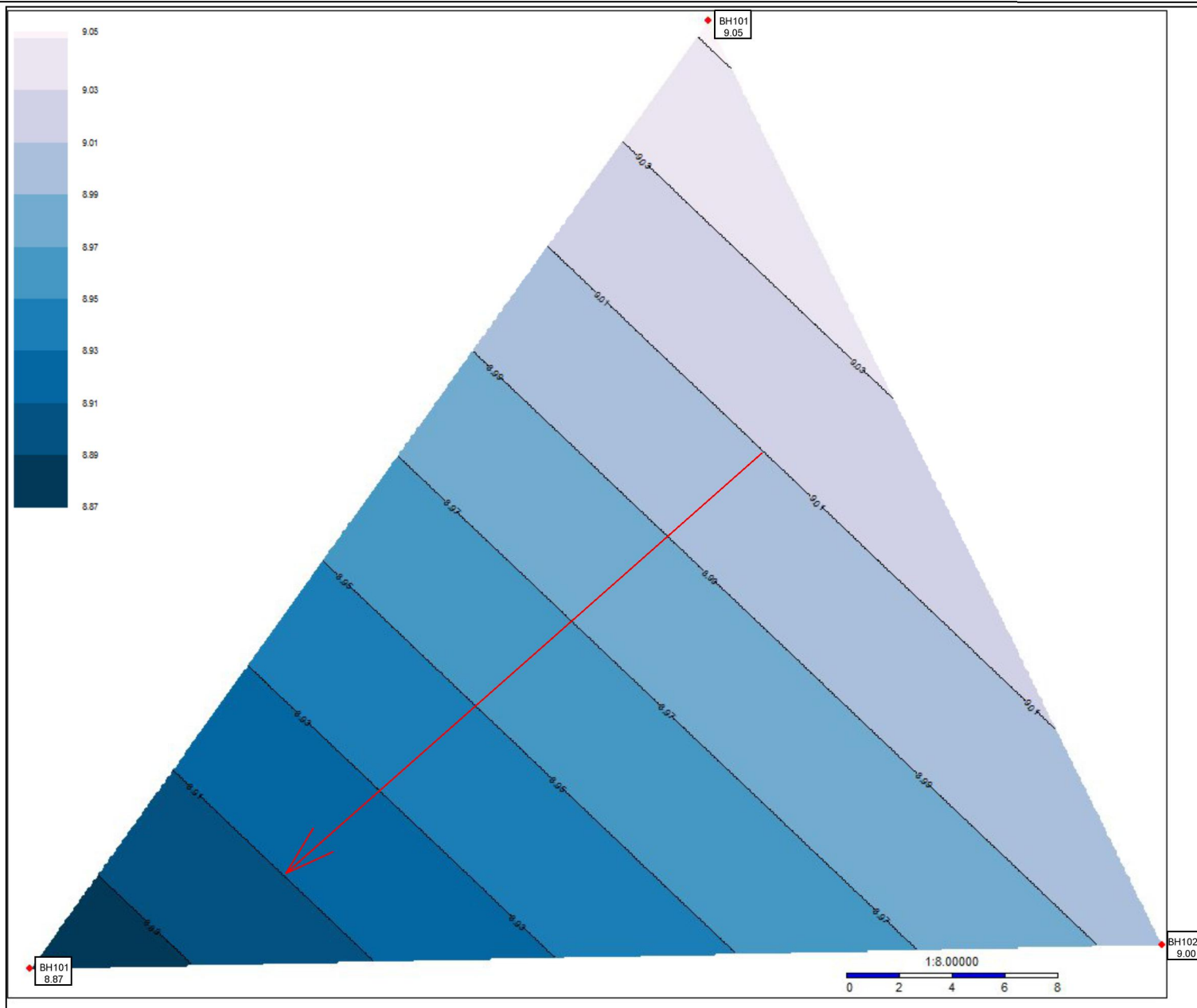
Key



Approximate Groundwater Flow Direction

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Job Title:

Wessex Yard, New Lane,
Havant

Client:

Days Estates Ltd

Project No:

A10708

Drawn By:

G.Larcombe

Scale:

Date:

16/08/2017

Authorised By:

T.Mitchell

Notes:

Drawing Title:

Figure 4.0 - Groundwater Flow
Direction

APPENDIX IV
EXPLORATORY HOLE LOGS

Borehole Log

Borehole No.

BH101

Sheet 1 of 2

Project Name: Wessex Yard, Havant

Project No.
A10708

Co-ords: -

Hole Type
CP

Location: Havant

Level:

Scale
1:50

Client: PMC

Dates: 15/07/2016 - 15/07/2016

Logged By
G.L

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20 - 0.30	ES	PID=2	0.20			MADE GROUND Reinforced concrete.	
		0.30 - 0.60	B					MADEGROUND	
		0.50 - 0.60	ES		0.50			Soft, brown gravelly CLAY. Gravel is angular to subrounded, fine to coarse clinker and flint.	
		0.60 - 0.70	ES	PID=107 N=37 (6,11/10,9,9,9)	0.60			MADEGROUND Soft, dark brown/black, gravelly CLAY. Gravel is angular to subrounded, fine to coarse brick, clinker and flint.	1
		0.80 - 1.10	B						
		0.90 - 1.00	ES		1.20			@ 0.50-0.60m bgl very strong hydrocarbon odour present.	
		1.20	ES					MADEGROUND	
		1.20 - 1.30	ES	PID=2 N=18 (5,5/4,4,5,5)				Friable, brown, slightly gravelly CLAY. Gravel is angular to subrounded, fine to coarse brick and flint.	2
		1.90 - 2.00	ES					@ 0.80m bgl clay becomes soft.	
		2.00	B		2.50			GRAVEL	
		2.10	B					Brown and greyish white GRAVEL. Gravel is angular to subrounded, fine to medium flint. With occasional clay content present throughout unit.	
		3.00	D	N=15 (3,3/4,3,4,4)				SAND	3
		3.00						Greyish brown, slightly gravelly SAND. Sand is medium to coarse. Gravel is angular to sub rounded, fine to coarse flint.	
		3.20 - 3.30	ES	PID=2 N=11 (0,1/2,2,3,4)				@ 3.70m bgl sand becomes silty.	4
		3.70 - 3.90	B						
		4.00	D		4.10			SAND	
		4.00	D					Greenish grey mottled dark grey, silty SAND. Sand is fine to medium, with black staining present and a strong hydrocarbon odour present.	
		4.30 - 4.40	ES	Ublow=55 PID=2				@ 4.60m bgl gravel content present comprising of Black angular to sub rounded, medium to coarse with frequent cobble content of flint.	5
		4.50	D						
		4.60 - 4.90	B		5.00			CLAY	
		5.00 - 5.45	U					Stiff grey CLAY.	
		5.20 - 5.30	ES	PID=2 N=15 (1,2/3,3,4,5)					6
		5.45	D						
		6.00	D						
		6.50	D						
		6.50	D	PID=2 Ublow=70					7
			D						
		7.50	D						
		7.60 - 7.70	ES						
		8.00 - 8.45	U	PID=2 N=24 (2,2/3,4,6,11)					8
			D						
		8.45	D						
		9.00	D						
		9.50	D	PID=2 N=24 (2,2/3,4,6,11)					9
		9.50							
		9.50 - 9.60	ES		10.00				

Continued on next sheet

Remarks

Cleared by Cable Avoidance Tool (CAT) and utilities clearance Survey.
Water strike at 10.50m bgl standing at 5.50m bgl.



10 Manor Court
2 Barnes Wallis Road
Segensworth
Fareham
PO15 5TH

Borehole Log

Borehole No.

BH101

Sheet 2 of 2

Project Name: Wessex Yard, Havant

Project No.
A10708

Co-ords: -

Hole Type
CP

Location: Havant

Level:

Scale
1:50

Client: PMC

Dates: 15/07/2016 - 15/07/2016

Logged By
G.L

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		10.20 - 10.30	ES	PID=2	11.00 11.10			GRAVEL Dark grey to grey, clayey GRAVEL. Gravel is sub rounded to well rounded, medium flint.	11
		10.30	D						
		11.00		N=50 (25 for 60mm/50 for 35mm)					
		11.00	D						
		11.00 - 11.10	ES					SANDSTONE Recovered as: greenish grey, slightly sandy GRAVEL. Sand is sub angular to sub rounded, fine to medium, flint and sandstone. End of borehole at 11.10 m	
		11.10	D	PID=3					
		11.10 - 11.20	ES						
									12
									13
									14
									15
									16
									17
									18
									19
									20

Remarks

Cleared by Cable Avoidance Tool (CAT) and utilities clearance Survey.
Water strike at 10.50m bgl standing at 5.50m bgl.



Borehole Log

Borehole No.

BH102A

Sheet 1 of 2

Project Name: Wessex Yard, Havant

Project No.
A10708

Co-ords: -

Hole Type
CP

Location: Havant

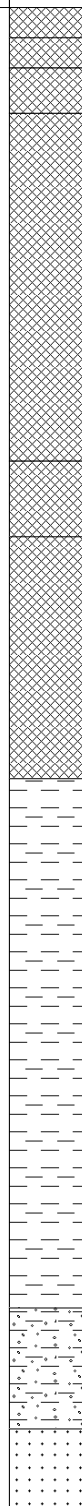
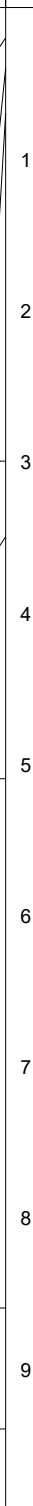
Level:

Scale
1:50

Client: PMC

Dates: 13/07/2016 - 13/07/2016

Logged By
G.L

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description						
		Depth (m)	Type	Results										
		0.20 - 0.30	ES	PID=0	0.20		MADE GROUND Reinforced concrete.							
		0.40 - 0.50	ES		0.40		MADE GROUND							
		0.60	ES		0.70				Soft brown, dark brown slightly sandy, gravelly CLAY. Sand is medium to coarse. Gravel is angular to sub rounded, fine to coarse, flint and brick.					
		0.70 - 0.90	B						MADE GROUND					
		1.10	D	N=4 (1,1/1,1,1,1)					Soft orangey brown, slightly sandy, gravelly CLAY. sand is medium. Gravel is angular to sub rounded, fine to coarse with the occasional cobble content of flint.					
		1.20	B						SAND					
		2.00	D						Very loose, orangey brown, slightly gravelly, clayey SAND. Sand is fine to medium. Occasional gravel content of angular to sub rounded fine to cobble flint.					
		2.10												
		2.50 - 2.60	ES	N=6 (1,1/2,1,1,2)										
		3.00	B		3.00				MADE GROUND					
		3.00							Soft to firm, grey, slightly gravelly CLAY. Gravel is angular to sub rounded, fine to coarse flint and brick.					
		3.00 - 3.10	ES		3.50				MADE GROUND					
		3.50 - 3.60	ES						Soft, grey slightly gravelly CLAY. Gravel is angular is angular to sub rounded, fine to coarse flint and brick.					
		4.00	B	N=17 (0,1/3,4,5,5)										
		4.00												
		4.00 - 4.10	ES	PID=6	5.10									
		4.70	D											
		5.00	B						CLAY					
		5.00							Stiff, grey CLAY.					
		5.50 - 5.60	ES											
		6.00	D	PID=6										
		6.50	U											
6.50 - 6.60	ES													
6.95	D													
7.50	D	PID=0 N=19 (2,2/3,5,5,6)												
8.00	D													
8.00														
8.60 - 8.70	ES		8.60			CLAY								
8.60 - 9.00	B					Stiff, dark grey gravelly CLAY. Gravel is sub rounded to rounded, fine to coarse black flint.								
9.00	D	PID=0 N=50 (7,8/50 for 220mm)	9.40											
9.40						SANDSTONE								
				Recovered as: greenish grey, slightly sandy GRAVEL. Sand is sub angular to sub rounded,										

Continued on next sheet

Continued on next sheet

Remarks

Cleared by Cable Avoidance Tool (CAT) and utilities clearance survey. Groundwater strike at 9.40m bgl standing at 4.10m bgl.



10 Manor Court
2 Barnes Wallis Road
Segensworth
Fareham
PO15 5TH

Borehole Log

Borehole No.

BH102A

Sheet 2 of 2

Project Name: Wessex Yard, Havant

Project No.
A10708

Co-ords: -

Hole Type
CP

Location: Havant

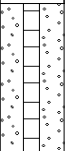
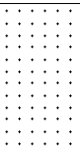
Level:

Scale
1:50

Client: PMC

Dates: 13/07/2016 - 13/07/2016

Logged By
G.L

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		11.00		N=55 (25 for 115mm/55 for 120mm)	11.00			fine to medium, flint and sandstone.	
		11.00	D					End of borehole at 11.00 m	11
									12
									13
									14
									15
									16
									17
									18
									19
									20

Remarks

Cleared by Cable Avoidance Tool (CAT) and utilities clearance survey. Groundwater strike at 9.40m bgl standing at 4.10m bgl.



Borehole Log

Borehole No.

BH103

Sheet 1 of 2

Project Name: Wessex Yard, Havant

Project No.
A10708

Co-ords: -

Hole Type
CP

Location: Havant

Level:

Scale
1:50

Client: PMC

Dates: 14/07/2016 - 15/07/2016

Logged By
G.L

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20 - 0.30	ES	PID=3 N=37 (5,8/7,8,10,12)	0.20			MADE GROUND Reinforced concrete.	1
		0.20 - 0.40	B					MADE GROUND	
		0.60 - 0.70	ES					Soft, dark brown, slightly gravelly CLAY. Gravel is angular to sub rounded, fine to coarse flint, brick and concrete. Black staining present with a hydrocarbon odour.	
		0.90 - 1.00	ES						
		1.00	D						
		1.20	B	PID=3 N=22 (7,7/6,5,6,5)	1.50			CLAY Soft, orangey brown, slightly gravelly CLAY. Gravel is angular to sub rounded, fine to coarse flint. Strong hydrocarbon odour present.	2
		1.20	B						
		1.40	D						
		1.50 - 1.60	ES		2.00			GRAVEL Loose, brown, GRAVEL. Gavel is angular to sub rounded, fine to medium flint.	
		1.70	D						
		2.00	B	PID=3 N=10 (1,1/2,2,3,3)	3.00			SAND Very loose, greyish brown, clayey SAND. Sand is medium.	3
		2.00	B						
		2.00 - 2.10	ES						
		3.00	D						
		3.00 - 3.10	ES						
		3.60 - 3.70	B	PID=7 N=17 (3,5/4,5,4,4)	3.80			@ 3.50m bgl clay content increases and prominent laminations of orangey brown sand throughout unit. With very strong hydrocarbon odour present.	4
		3.90	D					CLAY Firm to stiff, greenish grey, sandy CLAY. Sand is medium. With occasional gravel content of angular to sub rounded, fine to medium flint.	
		4.00	B						
		4.00 - 4.10	ES		4.50			CLAY Very stiff, grey CLAY.	
		4.50	D						
		4.50 - 4.60	ES	PID=4 Ublow=65					5
		5.00 - 5.45	U						
		5.45	D						
		6.00	D						
		6.00 - 6.10	ES						
		6.50	D	PID=3 N=16 (2,2/3,3,5,5)					6
		6.50	D						
		7.00 - 7.10	ES		7.10			CLAY Stiff, gravelly, silty CLAY. Gravel is sub angular to well rounded, fine to coarse black flint.	
		7.00 - 7.40	B						
		7.50	D		7.60			Very dense, greenish very slightly clayey silty SAND. Sand is fine to medium.	
		8.00	D	PID=2 N=50 (4,10/50 for 105mm)					8
		8.00	D						
		8.00 - 8.10	ES					@ 8.50m bgl clay content increases.	
		9.50	D						
		9.50	D					@ 9.50m bgl sand becomes silty.	

Continued on next sheet

Remarks

Cleared by Cable Avoidance Tool (CAT) and utilities clearance Survey.
Groundwater seepage at 1.90m bgl strike at 7.60m bgl.



10 Manor Court
2 Barnes Wallis Road
Segensworth
Fareham
PO15 5TH

Borehole Log

Borehole No.

BH103

Sheet 2 of 2

Project Name: Wessex Yard, Havant

Project No.
A10708

Co-ords: -

Hole Type
CP

Location: Havant

Level:

Scale
1:50

Client: PMC

Dates: 14/07/2016 - 15/07/2016

Logged By
G.L

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description						
		Depth (m)	Type	Results										
		9.50 - 9.60	ES	PID=2 N=50 (10,15/50 for 125mm)	14.00				11					
		10.50	D											
		11.00												
		11.00	D											
		11.00 - 11.10	ES	PID=3 N=50 (8,13/50 for 145mm)					12					
		12.00	D											
		12.50												
		12.50	D						13					
		12.60	ES											
		13.50	D											
		14.00		N=50 (2,2/5,9,15,21)					14					
		14.00	D											
End of borehole at 14.00 m									14					
									15					
									16					
									17					
									18					
									19					
									20					

Remarks

Cleared by Cable Avoidance Tool (CAT) and utilities clearance Survey.
Groundwater seepage at 1.90m bgl strike at 7.60m bgl.



Borehole Log

Borehole No.

WS101

Sheet 1 of 1

Project Name: Wessex Yard, Havant

Project No.
A10708

Co-ords: -

Hole Type
WS

Location: Havant

Level:

Scale
1:25

Client: PMC

Dates: 14/07/2016 - 14/07/2016

Logged By
K.D

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.10			Asphalt cover.	
		0.20 - 0.30	ES	PID=5	0.30			MADEGROUND Black, gravelly SAND. Sand is medium to coarse. Gravel is sub angular to sub rounded, fine to medium flint, brick, concrete and asphalt.	
		0.40 - 0.50	ES					MADEGROUND Soft, dark brown mottled grey gravelly CLAY. Gravel is sub angular to sub rounded fine to medium flint and brick.	
					0.80			CLAY Soft to firm, brown very gravelly CLAY. Gravel is angular to sub rounded, fine to coarse flint.	1
		1.20		N=24 (7,5/6,6,7,5)					
		1.40 - 1.50	ES		1.40			SAND Brownish grey, clayey SAND. Sand is fine to medium.	
					1.80			SAND Very loose, brownish yellow, clayey SAND.	2
		2.00		PID=1 N=9 (2,2/2,2,2,3)					
					3.00			N=13 (2,2/2,2,4,5)	3
				PID=4				@3.20m bgl strong hydrocarbon odour present.	
		3.70 - 3.80	ES		3.80			SAND Loose, yellowish brown slightly gravelly, clayey SAND. Sand is fine to medium. Gravel is sub angular to sub rounded, fine to coarse flint.	4
		4.00		N=23 (5,2/3,6,6,8)					
		4.80	ES		4.80			CLAY Soft to firm, grey CLAY.	
		5.00		N=13 (2,1/2,4,3,4)	5.00			End of borehole at 5.00 m	5

Remarks

Cleared by Cable Avoidance Tool (CAT) and utilities clearance survey.



10 Manor Court
2 Barnes Wallis Road
Segensworth
Fareham
PO15 5TH

Borehole Log

Borehole No.

WS102

Sheet 1 of 1

Project Name: Wessex Yard, Havant

Project No.
A10708

Co-ords: -

Hole Type
WS

Location: Havant

Level:

Scale
1:25

Client: PMC

Dates: 13/07/2016 - 13/07/2016

Logged By
K.D

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.30			MADEGROIND Reinforced concrete.	
								----- End of borehole at 0.30 m	
									1
									2
									3
									4
									5

Remarks

Cleared by Cable Avoidance Tool (CAT) and utilities clearance Survey. Window Sample Location Terminated at 0.3 due to concrete obstruction.



Borehole Log

Borehole No.

WS103

Sheet 1 of 1

Project Name: Wessex Yard, Havant

Project No.
A10708

Co-ords: -

Hole Type
WS

Location: Havant

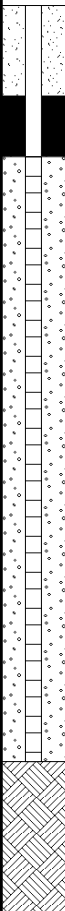
Level:

Scale
1:25

Client: PMC

Dates: 14/07/2016 - 14/07/2016

Logged By
K.D

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.15			MADEGROUND Reinforced concrete. black plastic membrane.	1
		0.30 - 0.40	ES		0.40			MADEGROUND Orangey brown, gravelly SAND. Sand is medium to coarse. Gravel is sub angular to sub rounded, fine to flint.	
		0.50 - 0.60	ES		0.50			MADEGROUND Very dark brown, gravelly SAND. Sand is medium to coarse. Gravel is sub angular to sub rounded fine to coarse flint and brick.	
		0.80 - 0.90	ES					CLAY Firm to stiff, brown, very gravelly CLAY. Gravel is angular to sub rounded, fine to coarse flint.	
		1.20		N=18 (4,3/3,4,5,6)	1.30				2
								CLAY Dense, grey, slightly sandy GRAVEL. Sand is fine to medium. Gravel is angular to sub rounded, fine to coarse flint.	
		2.00		N=34 (6,8/7,9,9,9)	2.20			CLAY Soft, brown, very gravelly CLAY. Gravel is sub angular to sub rounded fine to coarse flint.	
									
		2.70 - 2.80	ES		2.70			SAND Loose, greenish brown, clayey SAND. Sand is fine to medium. Black staining present throughout unit.	3
					3.00			End of borehole at 3.00 m	

Remarks

Cleared by Cable Avoidance Tool (CAT) and utilities clearance Survey.
Window sample terminated at 3.00m bgl due to back filling gravel. Undertook continuous SPT to 5.00m bgl.

Borehole Log

Borehole No.

WS104

Sheet 1 of 1

Project Name: Wessex Yard, Havant

Project No.
A10708

Co-ords: -

Hole Type
WS

Location: Havant

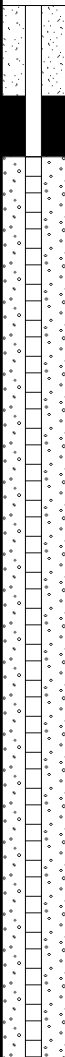
Level:

Scale
1:25

Client: PMC

Dates: 13/07/2016 - 13/07/2016

Logged By
K.D

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.15			0.15			MADEGROUND Reinforced concrete.	1
		0.30 - 0.40	ES					MADEGROUND Soft, yellowish brown, gravelly CLAY. Gravel is sub angular to sub rounded. fine to coarse flint and brick. Occasional white sandy clay lenses present throughout unit. Occasional black staining present.	
		0.60 - 0.70	ES						
		1.20		N=1 (0,0/0,0,0,1)	1.20				
		1.30 - 1.40	ES	PID=0				MADEGROUND Soft, blackish brown, slightly gravelly peaty CLAY. Gravel is sub angular to sub rounded fine to coarse flint and brick. Peat is localised throughout unit <i>@ 1.2m bgl slight hydrocarbon odour present in the water.</i>	2
		2.00		N=0 (0,0/0,0,0,0)					
		2.20 - 2.30	ES		2.20			MADEGROUND Soft, brownish grey, slightly gravelly CLAY. Gravel is sub angular to sub rounded fine to medium flint and brick.	3
		3.00		N=21 (3,8/2,3,2,14)	3.00			MADEGROUND Loose, black, sandy GRAVEL. Sand is medium to coarse. Gravel is sub angular to sub rounded fine to coarse flint brick and wood.	
		3.10 - 3.20	ES	PID=2					
		4.00		N=22 (3,8/6,6,4,6)					4
		4.70 - 4.80	ES	PID=4	4.50			MADEGROUND Soft to firm, grey, sandy gravelly CLAY. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to medium flint, shell fragments and brick.	5
		5.00		N=12 (3,2/2,3,3,4)	5.00			End of borehole at 5.00 m	

Remarks

Cleared by Cable Avoidance Tool (CAT) and utilities clearance Survey.
Groundwater strike at 1.1m bgl.

Borehole Log

Borehole No.

WS105

Sheet 1 of 1

Project Name: Wessex Yard, Havant

Project No.
A10708

Co-ords: -

Hole Type	WS
1	1
2	2
3	3
4	4
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100	100

Location: Havant

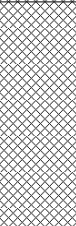
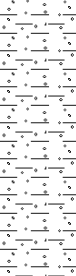
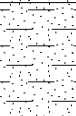
Level:

Scale
1:25

Client: PMC

Dates: 13/07/2016 - 13/07/2016

Logged By
K.D

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					0.15			MADEGROUND Brick paving.	1 2 3 4 5	
		0.30 - 0.40	ES	N=17 (2,5/4,5,4,4)				MADEGROUND Brownish red, sandy GRAVEL. Sand is medium to coarse. Gravel is sub angular to sub rounded, fine to coarse brick.		
		0.60 - 0.70	ES							
						0.90				MADEGROUND Brick rubble.
		1.10	ES			1.00				CLAY Firm brownish grey, very gravelly CLAY. Gravel is angular to sub rounded, fine to coarse flint.
		1.20								
		1.40 - 1.50	ES							
		2.00		N=6 (1,0/0,0,2,4)	2.00			CLAY Soft, yellowish brown, sandy, gravelly CLAY. Sand is fine to coarse. Gravel is sub angular to sub rounded, fine to coarse flint.		2
						2.30				SAND Soft, black clayey SAND. Sand is fine to medium.
		2.40 - 2.50	ES		2.50			SAND Greenish grey, clayey SAND. Sand is fine to medium.		
		3.00		N=7 (1,1/2,2,1,2)	2.90			SAND Black, clayey SAND. Sand is fine to medium. Hydrocarbon odour present throughout unit.		3
					3.20					
		3.70 - 3.80	ES							
		4.00		N=22 (2,4/5,6,5,6)			----- End of borehole at 4.00 m	4		

Remarks

Cleared by Cable Avoidance Tool (CAT) and utilities clearance Survey.
No groundwater present.



Borehole Log

Borehole No.

WS106

Sheet 1 of 1

Project Name: Wessex Yard, Havant

Project No.
A10708

Co-ords: -

Hole Type
WS

Location: Havant

Level:

Scale
1:25

Client: PMC

Dates: 14/07/2016 - 14/07/2016

Logged By
K.D

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20	ES		0.20			MADEGROUND Concrete cover.	
								MADEGROUND Very loose greyish brown sandy GRAVEL. Sand is medium to coarse. Gravel is sub angular to sub rounded fine to frequent cobble of flint concrete and brick.	
		1.20		N=22 (1,2/3,4,6,9)	1.00			No recovery.	1
		2.00 2.00 - 2.40	ES	N=4 (1,2/2,1,0,1)	2.00			MADEGROUND Soft, black, gravelly CLAY. Gravel is sub angular to sub rounded , fine to coarse flint, brick concrete and wood.	2
		3.00		N=13 (2,1/1,1,1,10)					3
					3.70			End of borehole at 3.70 m	4
									5

Remarks

Cleared by Cable Avoidance Tool (CAT) and utilities clearance Survey.

Groundwater strike at 1.00m bgl

Hole terminated due to refusal at 3.70m bgl Potential hitting the concrete base of gas cylinder.

Borehole Log

Borehole No.

WS107

Sheet 1 of 1

Project Name: Wessex Yard, Havant

Project No.
A10708

Co-ords: -

Hole Type
WS

Location: Havant

Level:

Scale
1:50

Client: PMC

Dates: 14/07/2016 - 14/07/2016

Logged By
K.D

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10 - 0.20			0.10 0.20			MADEGROUND Reinforced concrete.	
		0.20 - 0.30			0.20 0.30			MADEGROUND Brick rubble.	
		0.30 - 0.40	ES	PID=1				MADEGROUND Brown, gravelly SAND. Sand is fine to coarse. Gravel is sub angular to sub rounded. fine to coarse flint, brick, concrete and burnt material.	1
		0.40 - 0.60	ES					MADEGROUND Soft brown mottled grey, gravelly CLAY. Gravel is angular to sub rounded, fine to coarse flint, chalk and brick. Occasional black staining present throughout unit.	
		0.60 - 0.70						@ 1.00-2.00m bgl poor recovery.	2
		1.20		N=4 (1,1/1,1,1,1)	1.20			MADEGROUND Grey slightly sandy clayey GRAVEL. Sand is medium to coarse. Gravel is sub angular to sub rounded, fine to coarse flint, brick, ceramic sandstone and wood.	
		2.00		N=0 (0,0/0,0,0,0)	2.10			MADEGROUND Soft grey, slightly gravelly slightly sandy CLAY. Sand is fine to medium. Gravel is sub angular to sub rounded, fine to coarse flint.	3
		2.60 - 2.70	ES	PID=2				MADEGROUND Soft blueish grey, gravelly CLAY. Gravel is sub angular to sub rounded, fine to coarse flint, brick and wood.	4
		3.00		N=10 (0,0/0,0,0,10)	3.20			End of borehole at 4.00 m	
		4.00		PID=2					
		4.00		N=65 (4,0/25,15,15,10)	4.00				
		4.00	ES						

Remarks

Cleared by Cable Avoidance Tool (CAT) and utilities clearance Survey.
Groundwater strike at 1.00m bgl

Borehole Log

Borehole No.

WS108

Sheet 1 of 1

Project Name: Wessex Yard, Havant

Project No.
A10708

Co-ords: -

Hole Type
WS

Location: Havant

Level:

Scale
1:25

Client: PMC

Dates: 13/07/2016 - 13/07/2016

Logged By
K.D

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.20			MADE GROUND Reinforced concrete.	
		0.30 - 0.40	ES		0.30			MADE GROUND Pinkish grey, gravelly SAND. Sand is medium to coarse. Gravel is angular to subrounded, fine to coarse, flint (Type 1 material).	
		0.70 - 0.80	ES					MADE GROUND Friable, orangey brown, gravelly CLAY. Gravel is angular to sub rounded, fine to coarse flint, brick, plastic and clinker.	
		0.90 - 1.00	ES		0.80			CLAY Firm, orangey brown, gravelly CLAY. Gravel is angular to subrounded, fine to coarse flint.	1
		1.20		N=25 (4,6/7,6,6,6)					
		1.80 - 2.00	D					@ 1.60m bgl slight decrease in gravel content.	
		2.00		N=18 (2,3/3,4,5,6)	2.00			SAND Loose, orangey yellow, clayey SAND. Sand is fine to medium.	2
		2.00 - 2.10	ES						
		2.40 - 2.50	ES		2.30			SAND Loose orangey brown SAND. Sand is fine to medium.	
		3.00		N=8 (1,1/2,2,2,2)				@ 3.40m bgl sand colour becomes greyish orange.	3
		3.60 - 3.70	ES		3.60			SAND Loose, mottled orange clayey SAND. Sand is fine to medium.	
		4.00		N=9 (1,1/1,2,2,4)					4
		4.50 - 4.60	ES		4.50			CLAY Firm, grey CLAY.	
		4.50 - 4.70	D						
		5.00		N=13 (2,2/3,3,3,4)	5.00			End of borehole at 5.00 m	5

Remarks

Cleared by Cable Avoidance Tool (CAT) and utilities clearance Survey.
Groundwater strike at 2.6m bgl

Borehole Log

Borehole No.

WS109

Sheet 1 of 1

Project Name: Wessex Yard, Havant

Project No.
A10708

Co-ords: -

Hole Type
WS

Location: Havant

Level:

Scale
1:25

Client: PMC

Dates: 15/07/2016 - 15/07/2016

Logged By
K.D

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20 - 0.30	ES		0.20			MADE GROUND Reinforced concrete.	
		0.60 - 0.70	ES		0.40			MADE GROUND Soft, very dark brown, gravelly CLAY. Gravel is subangular to subrounded, fine to coarse flint, brick and asphalt.	
					0.90			MADE GROUND Soft, brown, gravelly CLAY. Gravel is subangular to subrounded, fine to medium flint and asphalt.	
					1.00			MADE GROUND Orangey brown, medium to coarse SAND. (Builders Sand)	1
								End of borehole at 1.00 m	
									2
									3
									4
									5

Remarks

Cleared by Cable Avoidance Tool (CAT) and utilities clearance Survey.

No Groundwater present.

Hole terminated due to the presence of builders sand within the bottoms of the hand pit and the close proximity gas pipe noted on maps.

Borehole Log

Borehole No.

WS109A

Sheet 1 of 1

Project Name: Wessex Yard, Havant

Project No.
A10708

Co-ords: -

Hole Type
WS

Location: Havant

Level:

Scale
1:25

Client: PMC

Dates: 15/07/2016 - 15/07/2016

Logged By
K.D

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.20			MADE GROUND Reinforced concrete.	
		0.30 - 0.40	ES	PID=6	0.40			MADE GROUND Soft, brown, gravelly CLAY. Gravel is subangular to subrounded, fine to coarse flint and brick.	
		0.60 - 0.70	ES					MADE GROUND Black, gravelly SAND. Sand is medium to coarse. Gravel is subangular to subrounded, fine to coarse with occasional cobble content of concrete.	1
		1.20		N=16 (3,5/4,4,5,3)	1.20				
		1.50 - 1.60	ES		1.50			MADE GROUND Brick Rubble.	
		2.00		N=15 (2,2/3,3,4,5)	2.30			CLAY Firm, brown mottled grey, very gravelly CLAY. Gravel is angular to subrounded, fine to coarse flint. With occasional fine to medium grained sand lenses present.	2
		3.00		N=10 (2,2/2,3,2,3)				SAND Loose, yellowish brown, slightly clayey SAND. Sand is fine to medium. Black staining present throughout unit.	3
		3.70 - 3.80	ES						
		4.00		N=17 (3,1/2,2,5,8)	4.30				
		4.60 - 4.70	ES					SAND Loose, grey clayey SAND. Sand is fine to medium. Black staining present with a strong hydrocarbon odour.	4
		5.00		N=19 (5,6/4,5,4,6)	5.00				5

End of borehole at 5.00 m

Remarks

Cleared by Cable Avoidance Tool (CAT) and utilities clearance Survey.
No Groundwater present.

Borehole Log

Borehole No.

WS110

Sheet 1 of 1

Project Name: Wessex Yard, Havant

Project No.
A10708

Co-ords: -

Hole Type
WS

Location: Havant

Level:

Scale
1:50

Client: PMC

Dates: 15/07/2016 - 15/07/2016

Logged By
K.D

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.20			MADE GROUND Reinforced concrete.	
					0.50			MADE GROUND Grey, sandy GRAVEL. Sand is medium to coarse. Gravel is subangular to subrounded, fine to coarse flint and asphalt.	
								CLAY Firm, brown gravelly CLAY. Gravel is subangular to subrounded, fine to coarse flint.	1
					2.00			SAND Loose, yellowish brown clayey SAND. Sand is fine to medium.	2
					2.50			GRAVEL Yellowish brown sandy GRAVEL. Sand is fine to medium. Gravel is angular to subrounded, fine to coarse flint.	
					2.70			SAND Yellowish brown, clayey SAND. Sand is fine to medium.	3
					3.00			End of borehole at 3.00 m	
									4
									5
									6
									7
									8
									9
									10

Remarks

Cleared by Cable Avoidance Tool (CAT) and utilities clearance Survey.
Groundwater strike at 1.00m bgl