

BOREHOLE LOG

Contract: Cole Green Supplementary Investigation		Client: Tarmac Trading Limited		Borehole: RH-BH-24	
Contract Ref: 563121		Start: 15.4.19 End: 15.4.19	Ground Level: 61.01	National Grid Co-ordinate: E:526435.0 N:210299.1	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.00-0.30	1	B				MADE GROUND: Low wheat over firm dark brown slightly sandy slightly gravelly slightly organic SILT with occasional roots and rootlets. Gravel is subangular to subrounded fine to coarse flint. (TOPSOIL)	0.40	
0.30-0.80	2	B						
0.30	101	ES						
0.60	102	ES				MADE GROUND: Firm to stiff light orangish brown mottled light grey slightly sandy slightly gravelly SILT. Gravel is subangular to subrounded fine to medium flint.	(1.10)	
1.00	3	D						
1.00	103	ES						
1.50-2.00	4	B				MADE GROUND: Dark brown slightly gravelly silty fine to medium SAND with localised pockets of decaying plant matter and rare fragments of plastic matting, plastic textile and rubber. Gravel is subangular coarse asphalt.	(0.90)	
1.60	104	ES						
2.00	5	D						
2.60	105	ES				Dark brown with localised mottled black staining silty slightly gravelly fine to medium SAND. Gravel is fine to medium subangular flint.	(3.60)	
3.00	6	D						
3.60	106	ES						
4.00	7	D						
4.60	107	ES						
5.00	8	D						
5.60	108	ES						
Borehole terminated at 6.00m depth							6.00	

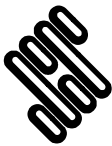
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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
15/04/19	08:00	0.00	-	0	-				
15/04/19	13:30	6.00	-	150	Dry				

1. Location cleared for buried services using GPR prior to commencement.
 2. Location scanned using CAT and Genny prior to commencement.
 3. Inspection pit dug to 1.20m depth using hand tools.
 4. No groundwater encountered.
 5. 50mm gas and groundwater monitoring well installed upon completion, response zone from 1.50m to 6.00m depth.

All dimensions in metres Scale: **1:50**

Method Used: Inspection pit + Cable percussion	Plant Used: Dando 2000	Drilled By: SWray	Logged By: JSimmonds	Checked By:
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BOREHOLE LOG

Contract: Cole Green Supplementary Investigation		Client: Tarmac Trading Limited		Borehole: RH-BH-25	
Contract Ref: 563121		Start: 15.4.19 End: 15.4.19	Ground Level: 61.12	National Grid Co-ordinate: E:526354.1 N:210295.1	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.00-0.30	1	B				MADE GROUND: Low wheat over firm brown slightly sandy slightly gravelly SILT with occasional rootlets and organic matter. Gravel is angular to subrounded fine to coarse flint and rare glass. (TOPSOIL)	0.40	
0.30-0.80	2	B				MADE GROUND: Firm to stiff orangish brown slightly sandy slightly gravelly SILT. Gravel is subangular fine to coarse flint.	(1.10)	
0.30	101	ES						
0.80	102	ES						
1.00	3	D				MADE GROUND: Firm dark brown, orange and grey slightly sandy slightly gravelly SILT with rare fragments of plastic, wood, metal and cloth. Gravel is angular to subangular fine to coarse flint brick slate glass and concrete. . . . Potential loose asbestos fibres at 2.0m depth (sample ES201)	(1.80)	
1.60	103	ES						
2.00	4	D						
2.00	201	ES						
2.60	104	ES				MADE GROUND: Firm to stiff dark orangish brown slightly sandy very gravelly CLAY with rare fragments of wire. Gravel is subangular fine to coarse flint and rare clinker.	3.30	
3.00	5	D						
3.30-3.50	6	B						
3.60	105	ES				CHALK recovered as firm white mottled brown slightly sandy slightly gravelly CLAY. Gravel is subangular fine to medium low density chalk and subrounded coarse flint.	(0.90)	
4.00	7	D						
4.30-4.60	8	B						
4.60	106	ES				Borehole terminated at 6.00m depth	4.20	
5.00	9	D						
5.60	107	ES						
6.00	10	D					6.00	

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
15/04/19	13:30	0.00	-		-				
15/04/19	15:30	6.00	-	150	Dry				

1. Location cleared for buried services using GPR prior to commencement.
 2. Location scanned using CAT and Genny prior to commencement.
 3. Inspection pit dug to 1.20m depth using hand tools.
 4. No groundwater encountered.
 5. 50mm gas and groundwater monitoring well installed upon completion, response zone from 1.00m to 3.50m depth.

All dimensions in metres Scale: **1:50**

Method Used: Inspection pit + Cable percussion	Plant Used: Dando 2000	Drilled By: SWray	Logged By: JSimmonds	Checked By: AGS
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BOREHOLE LOG

Contract: Cole Green Supplementary Investigation		Client: Tarmac Trading Limited		Borehole: RH-BH-26	
Contract Ref: 563121		Start: 15.4.19 End: 16.4.19	Ground Level: 61.25	National Grid Co-ordinate: E:526272.9 N:210302.4	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.00-0.30	1	B				Low wheat over firm brown slightly sandy slightly gravelly slightly organic SILT with occasional rootlets. Gravel is subangular to subrounded fine to coarse flint. (TOPSOIL)	0.45	
0.30-0.70	2	B						
0.50	101	ES				Brown clayey slightly sandy subangular to subrounded fine to coarse GRAVEL of flint.	0.70	
0.70-1.20	3	B						
1.00	4	D				Dark orangish brown clayey slightly sandy subangular to subrounded fine to coarse GRAVEL of flint. Assessed as dense due to difficulty to dig using hand tools.	(1.80)	
1.00	102	ES						
1.50	103	ES						
2.00	5	D						
2.50	104	ES				Orangish brown slightly sandy subangular to subrounded fine to coarse GRAVEL of flint.	2.50	
3.00	6	D						
3.50	105	ES					(2.50)	
4.00	7	D						
4.50	106	ES						
5.00	8	D				Borehole terminated at 5.00m depth	5.00	

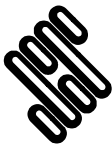
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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
15/04/19	15:30	0.00	-	-	-				
15/04/19	17:00	2.50	2.50	150	Dry				
16/04/19	08:00	2.50	2.50	150	Dry				
16/04/19	11:00	5.00	5.00	150	Dry				

1. Location cleared for buried services using GPR prior to commencement.
 2. Location scanned using CAT and Genny prior to commencement.
 3. Inspection pit dug to 1.20m depth using hand tools.
 4. No groundwater encountered.
 5. 50mm gas and groundwater monitoring well installed upon completion, response zone from 1.00m to 5.00m depth.

All dimensions in metres Scale: **1:50**

Method Used: Inspection pit + Cable percussion	Plant Used: Dando 2000	Drilled By: SWray	Logged By: JSimmonds	Checked By:
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Contract: Cole Green Supplementary Investigation		Client: Tarmac Trading Limited		Borehole: RH-BH-27	
Contract Ref: 563121		Start: 16.4.19 End: 16.4.19	Ground Level: 64.77	National Grid Co-ordinate: E:526107.8 N:210434.1	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.00-0.20	1	B				MADE GROUND: Scrub over firm dark brown slightly sandy slightly gravelly slightly organic CLAY with frequent rootlets and fragments of plant matter. Gravel is subangular to subrounded fine to coarse flint and clinker. (TOPSOIL) MADE GROUND: Dark orangish brown slightly sandy silty angular to subrounded fine to coarse GRAVEL of flint concrete ceramic brick tile and asphalt with rare fragments of plastic sheet and cloth.	0.25	
0.20-0.70	2	B						
0.20	101	ES						
0.50	102	ES						
1.00	3	D					(1.75)	
1.50	103	ES						
2.00	4	D						
2.00-2.50	5	B						
2.50	104	ES				Stiff orangish brown slightly sandy slightly gravelly CLAY with occasional carbonaceous nodules up to 3mm diameter. Gravel is subangular to rounded fine to medium flint chalk and sandstone.	(0.90)	
3.00	6	D						
3.50	105	ES						
4.00	7	D						
4.50-5.00	8	B				Stiff brown slightly gravelly CLAY. Gravel is rounded fine to medium flint and chalk.	2.90	
4.60	106	ES						
5.00	9	D						
						Stiff brown slightly gravelly slightly sandy CLAY with localised pockets of fine to medium sand. Gravel is subangular to rounded fine to medium flint chalk and sandstone.	(1.60)	
						Borehole terminated at 5.00m depth	4.50	
							(0.50)	


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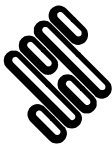
Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
16/04/19	11:00	0.00	-	0	-				
16/04/19	14:00	5.00	-	150	Dry				

1. Location cleared for buried services using GPR prior to commencement.
 2. Location scanned using CAT and Genny prior to commencement.
 3. Inspection pit dug to 1.20m depth using hand tools.
 4. No groundwater encountered.
 5. 50mm gas and groundwater monitoring well installed upon completion, response zone from 2.00m to 4.50m depth.

All dimensions in metres Scale: **1:50**

Method Used: Inspection pit + Cable percussion	Plant Used: Dando 2000	Drilled By: SWray	Logged By: JSimmonds	Checked By:
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Contract: Cole Green Supplementary Investigation		Client: Tarmac Trading Limited		Borehole: RH-BH-28	
Contract Ref: 563121		Start: 16.4.19 End: 16.4.19	Ground Level: 64.61	National Grid Co-ordinate: E:526092.1 N:210464.7	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.00-0.20	1	B				MADE GROUND: Grass over firm greyish brown slightly sandy slightly gravelly slightly organic SILT with frequent rootlets and occasional plant matter. Gravel is angular to subrounded fine to coarse flint clinker concrete and glass. (TOPSOIL)	0.15	
0.20-0.70	2	B				MADE GROUND: Dark brown and grey slightly sandy clayey angular to subrounded fine to coarse GRAVEL of flint concrete ceramic tile brick clinker and asphalt.	(1.85)	
0.50	101	ES						
1.00	3	D						
1.50	102	ES					2.00	
2.00-2.50	4	B				Firm light reddish brown mottled light grey sandy SILT with laminations of clay and sand. Sand is fine to medium.	(0.70)	
2.00	5	D						
2.50	103	ES					2.70	
2.70-3.00	6	B				Stiff dark brown slightly gravelly CLAY. Gravel is subangular to rounded fine to medium flint chalk and sandstone.		
3.00	7	D						
3.50	104	ES					(2.30)	
4.00	8	D				... 30mm fragment of pyritised ammonite shell found at 4.0m		
4.50	105	ES					5.00	
5.00	9	D				Borehole terminated at 5.00m depth		

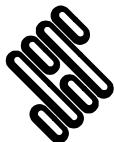
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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
16/04/19	14:00	0.00	-	0	-				
16/04/19	16:30	5.00	-	150	Dry				

1. Location cleared for buried services using GPR prior to commencement.
 2. Location scanned using CAT and Genny prior to commencement.
 3. Inspection pit dug to 1.20m depth using hand tools.
 4. No groundwater encountered.
 5. 50mm gas and groundwater monitoring well installed upon completion, response zone from 2.00m to 5.00m depth.

All dimensions in metres Scale: **1:50**

Method Used: Inspection pit + Cable percussion	Plant Used: Dando 2000	Drilled By: SWray	Logged By: JSimmonds	Checked By: AGS
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BOREHOLE LOG

Contract: Cole Green Supplementary Investigation		Client: Tarmac Trading Limited		Borehole: RH-BH-29	
Contract Ref: 563121		Start: 17.4.19 End: 17.4.19	Ground Level: 65.31	National Grid Co-ordinate: E:526086.2 N:210516.0	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.00-0.30	1	B				Scrub over firm brown slightly sandy slightly gravelly slightly organic SILT with occasional rootlets and fragments of plant matter. Gravel is subangular to subrounded fine to coarse flint. (TOPSOIL)	0.15	
0.20	101	ES					0.30	
0.30-0.80	2	B						
0.60	102	ES				Firm brown slightly sandy slightly gravelly SILT. Gravel is subangular to subrounded fine to coarse flint.		
1.00	3	D				Firm to stiff orangish brown slightly sandy slightly gravelly CLAY with frequent carbonaceous nodules up to 5mm diameter. Gravel is subrounded fine carbonaceous nodules.	(1.50)	
1.60	103	ES					1.80	
1.80-2.00	4	B				Stiff to very stiff dark brown mottled dark bluish grey slightly sandy slightly gravelly CLAY with rare fossil and shell fragments up to 3mm. Gravel is subrounded to rounded fine to medium flint chalk sandstone and quartz.		
2.00	5	D						
2.60	104	ES					(3.60)	
3.00	6	D						
3.60	105	ES						
4.00	7	D						
5.00	8	D					5.40	
5.60	106	ES				Very stiff reddish brown slightly sandy slightly gravelly CLAY with localised sandy pockets. Gravel is subrounded to rounded quartz sandstone and flint.	(0.60)	
6.00	9	D				Borehole terminated at 6.00m depth	6.00	

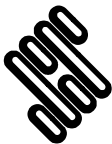
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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
17/04/19	12:00	0.00	-		-				
17/04/19	15:00	6.00	-	150	Dry				

1. Location cleared for buried services using GPR prior to commencement.
 2. Location scanned using CAT and Genny prior to commencement.
 3. Inspection pit dug to 1.20m depth using hand tools.
 4. No groundwater encountered.
 5. 50mm gas and groundwater monitoring well installed upon completion, response zone from 2.00m to 5.00m depth.

All dimensions in metres Scale: **1:50**

Method Used: Inspection pit + Cable percussion	Plant Used: Dando 2000	Drilled By: SWray	Logged By: JSimmonds	Checked By:	
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BOREHOLE LOG

Contract: Cole Green Supplementary Investigation		Client: Tarmac Trading Limited		Borehole: RH-BH-30	
Contract Ref: 563121		Start: 17.4.19 End: 17.4.19	Ground Level: 65.78	National Grid Co-ordinate: E:526095.5 N:210536.1	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend	
Depth	No	Type	Results						
0.00-0.30	1	B				Scrub over firm brown slightly sandy slightly gravelly slightly organic SILT with occasional rootlets and plant matter. Gravel is subangular to rounded fine to coarse flint. (TOPSOIL)	0.20		
0.15	101	ES				Firm to stiff orangish brown slightly sandy slightly gravelly CLAY with occasional carbonaceous nodules up to 2mm. Gravel is subrounded to rounded fine to medium flint and chalk.	(1.60)		
0.30-0.80	2	B							
0.50	102	ES							
1.00	3	D							
1.50	103	ES							
1.80-2.00	4	B					Stiff to very stiff dark brown mottled dark bluish grey slightly sandy slightly gravelly CLAY with rare shell and fossil (crinoids?) fragments. Gravel is subrounded to rounded fine to coarse flint chalk and sandstone.	1.80	
2.00	5	D							
2.50	104	ES							
3.00	6	D					(3.20)		
4.00	7	D							
4.50	105	ES							
5.00	8	D				Borehole terminated at 5.00m depth	5.00		

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
17/04/19	08:00	0.00	-	0	-				
17/04/19	12:00	5.00	-	150	Dry				

1. Location cleared for buried services using GPR prior to commencement.
 2. Location scanned using CAT and Genny prior to commencement.
 3. Inspection pit dug to 1.20m depth using hand tools.
 4. No groundwater encountered.
 5. 50mm gas and groundwater monitoring well installed upon completion, response zone from 1.00m to 2.00m depth.

All dimensions in metres Scale: **1:50**

Method Used: Inspection pit + Cable percussion	Plant Used: Dando 2000	Drilled By: SWray	Logged By: JSimmonds	Checked By:
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