



**SOIL ENGINEERING**

## **SUPPORTING FACTUAL DATA**

### **SECTION A**

Exploratory Hole Records and Field Data

### **EXPLORATORY HOLE LOG LEGEND AND NOTATION SHEET**

## SECTION A: EXPLORATORY HOLE LOG LEGENDS

CODE	DESCRIPTION	LEGEND	CODE	DESCRIPTION	LEGEND
101	Topsoil		806	Coal	
102	Made Ground		807	Breccia	
104	Concrete		808	Conglomerate	
201	Clay		809	Fine Grained Igneous	
301	Silt		810	Medium Grained Igneous	
401	Sand		811	Coarse Grained Igneous	
501	Gravel		812	Fine Grained Metamorphic	
601	Peat		813	Coarse / Medium Grained Metamorphic	
701	Cobbles		EVT	Evaporite	
730	Boulders		MWS	Mine Workings	
801	Mudstone		904	Grout	
802	Siltstone		905	Arisings	
803	Sandstone		BLK	Zone of No Recovery	
804	Limestone		WTR	Water	
805	Chalk				

**Note:** Most soils types comprise a mixture of particle sizes. These soil types are represented graphically on the exploratory hole logs by combining the legends shown on this sheet.

## SECTION A: EXPLORATORY HOLE LOG LEGENDS

### SAMPLING NOTATION

U	Undisturbed U100 or U38 sample (size given on log)
UT	Thin wall open drive tube sampler (size given on log)
P	Piston Sample
BLK	Block Sample
M	Mazier Sample
TW	Thin Walled Sample
L	Liner Sample obtained from windowless sampler
D	Small Disturbed Sample
B	Bulk Disturbed Sample
LB	Large Bulk Disturbed Sample
C	Core Sample
ES	Environmental Soil Sample
EW	Environmental Water Sample
W	Water Sample
UF	No Recovery in U Sample
UTF	No Recovery in UT Sample
PF	No Recovery in P Sample
TWF	No Recovery in TW Sample




### IN SITU TEST NOTATION

SPT	Standard Penetration Test with a Split Spoon
SPT(C)	Standard Penetration Test with a Cone
C	Cone Penetration Test
NP	No Penetration for SPT or SPT(C)
V	Vane Test
HV	Hand Vane
HP	Hand Penetrometer
CBR	California Bearing Ratio Test
K	Permeability Test (test type not differentiated)
Pr	Pressuremeter Test

### OTHER NOTATION

TCR	Total Core Recovery
SCR	Solid Core Recovery
RQD	Rock Quality Designation
FI	Fracture Index
If	Fracture Spacing
NI	Non Intact
NA	Data Not Applicable
NR	Data Not Recorded

### GRAPHICS USED

	Standing water level
	Joining bar indicates level risen
	Waterstrike level





**SOIL ENGINEERING**

## **SUPPORTING FACTUAL DATA**

### **SECTION A**

Exploratory Hole Records and Field Data

### **CABLE PERCUSSION AND ROTARY DRILLING RECORDS**

Project Name Kingsford Westhill										Exploratory Hole Log			Hole ID BH101	
Project No. TC7818													Sheet 1 of 1	
Engineer Fairhurst														
Employer Aberdeen Football Club														
Ground Level +116.42mOD					Coordinates 384386.00E, 806599.50N					Grid National Grid				
Date Started 21/04/2016					Date Completed 22/04/2016					Inclination				
Top	Base	Type	Date Time Start	Date Time End	Rig Crew	Logger	Barrel Type	Drill Bit	Plant Used	Shoring Used	Pit Stability	Remarks		
0.00	1.20	IP	21/04/2016 16:00	21/04/2016 17:00	TT	EB			Hand tools					
1.20	7.45	RO	21/04/2016 17:00	22/04/2016 16:00	TT	EB			Deltabase 520					
PROGRESS						WATER STRIKES								
Date Time	Depth	Depth Casing	Depth Water	Remarks		Date Time	Depth Strike	Depth Casing	Depth Sealed	Water Rose To	Time Elapsed	Remarks		
21/04/2016 18:30	1.20		Dry	End of shift										
22/04/2016 07:30	1.20		Dry	Start of shift										
22/04/2016 16:00	7.45	7.00		End of Hole										
CABLE PERCUSSION DETAILS						SPT DETAILS								
Depth Top	Depth Base	Time Start	Duration	Tool	Remarks	Depth Top	Test Type	Reported Result	Hammer Serial Number	Energy Ratio	Depth Casing	Depth Water		
						1.20	S	N=25 (3,5,5,6,6,8)	56	58	1.20	Dry		
						3.00	S	25/0mm (25/0,25/0)	56	58	3.00			
						4.00	S	25/0mm (25/0,25/0)	56	58	4.00			
						5.00	S	25/0mm (25/0,25/0)	56	58	5.00			
						7.00	S	N=11 (1,3,3,2,2,4)	56	58	7.00			
ROTARY FLUSH DETAILS														
Depth Top	Depth Base	Flush Type	Flush Return	Flush Colour	Remarks									
1.20	7.45	AIR/MIST	100	Brown										
HOLE DIAMETER		CASING DIAMETER		DYNAMIC SAMPLING										
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Diameter	Duration	Sample Recovery	Test Number					
7.45	125	7.00	125											
INSTALLATION DETAILS				PIPE CONSTRUCTION				DEPTH RELATED REMARKS						
Distance	ID	Type	Response Top	Response Base	Pipe Ref	Pipe Ref	Top	Base	Diameter	Pipe Type	Depth Top	Depth Base	Remarks	
6.00	G1	SP	1.00	6.00	Pipe 1	Pipe 1 Pipe 1	0.00 1.00	1.00 6.00	50 50	PLAIN SLOTTED				
BACKFILL DETAILS						LOCATION DETAILS								
Depth Top	Depth Base	Description	Remarks											
0.00	0.30	Concrete												
0.30	1.00	Bentonite												
1.00	6.00	Gravel backfill												
6.00	7.45	Bentonite												
 Notes: All depth in metres, all diameters in millimetres. See header sheet for details of boring, progress and water. For details of abbreviations see key.													 <b>SOIL ENGINEERING</b> Part of the Bachy Soletanche Group	
FINAL			Print date and time 06/10/2016 18:00				Log checked by Paul Rodgers							
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