

Borehole Log

WCC01

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Project Name: M5 Overbridges Project No: C5383

Borehole ID: WCC01

Location: MP 91/5 Winnycroft Lane Overbridge Co-ords (British National Grid): 384981.63 - 213886.29 Level: 62.06

Hole Type: DS+RC Logged By: Dates: -

Client: Highways England Contractor: Project Engineer:

Plant Used: SPT Hammer Serial No:

Well	Water	Samples		Result	Depth (m)	Level (m)	Legend	Stratum Description	Depth m
		Depth (m)	Type						
								MADE GROUND Tarmacadam	
		0.3	B		0.28	61.78			
		0.5	B						0.5
					0.73	61.33		MADE GROUND Reddish brown sandy silty angular to sub angular fine to coarse GRAVEL of limestone	
		1.0	B ES						1.0
		1.2 - 1.65	SPT	S 20					1.5
								MADE GROUND Orangish brown sandy clayey angular to sub angular fine to coarse GRAVEL of limestone and sandstone with low cobble content Cobbles are angular of limestone	
		2.0	D						2.0
		2.0 - 2.45	SPT C	S 13					2.5
		2.0 - 3.0	C						
					2.95	59.11		MADE GROUND Dense orangish brown slightly silty very gravelly SAND Gravel is angular to sub angular fine to coarse of limestone	3.0
		3.0	D	C 40					3.5
		3.0 - 3.45	SPT C						
		3.0 - 4.0	C						4.0
								MADE GROUND Dense orangish brown and light grey slightly sandy angular fine to coarse GRAVEL of limestone	
		4.0	D	S 44					4.5
		4.0 - 4.45	SPT C						
		4.0 - 5.0	C						
					4.95	57.11			

C 45

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		Depth (m)	Type						
		5.0 5.0 - 5.45 5.0 - 5.7	ES D SPT C	C 45				MADE GROUND Dense orangish brown and light grey slightly sandy angular fine to coarse GRAVEL of limestone	5.5
		5.7 - 6.15	SPT C	C 43					6.0
		6.5	ES D		6.50	55.56		MADE GROUND Firm grey to dark brownish grey slightly gravelly silty CLAY with occasional locally frequent pockets 5mmx20mm of sandy clay Gravel is fine angular of limestone	6.5
		7.0 - 7.45	SPT	S 13					7.0
		7.5	D						7.5
		7.84	H						8.0
		8.08	H						
		8.36	H						
		8.5 - 8.95	UT100					MADE GROUND Grey CONCRETE Clast supported Clasts are angular fine to medium occasionally coarse of limestone and sandstone Voids 5 4mm	8.5
		8.82	H						
		8.95 9.03 9.1 - 10.6	D ES H C						9.0
		9.25 - 10.23	CS		9.25	52.81			9.5

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Well	Water	Samples		Result	Depth (m)	Level (m)	Legend	Stratum Description	Depth m
		Depth (m)	Type						
		10.23 - 10.3	CS		10.30	51.76		MADE GROUND Grey CONCRETE Clast supported Clasts are angular fine to medium occasionally coarse of limestone and sandstone Voids 5-4mm	
		10.6 - 11.05	SPT ES	S 33					10.5
		11.0 - 11.45	SPT	S 44	11.00	51.06			11.0
									11.5
									12.0
									12.5
								Very stiff thinly laminated dark grey silty CLAY locally tending to extremely weak mudstone with occasional shells and shell fragments 10mm	13.0
									13.5
									14.0
									14.5

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GENERAL REMARKS

EQUIPMENT: Hand digging tools. Fraste PL G multi purpose track mounted rig. METHOD: Concrete core drilled (300mm diameter): 0.00-0.25m. Hand dug inspection pit: 0.25-1.20m. Continuous dynamic sampled (113mm & 98mm diameter): 1.20-2.00m, 5.70-9.10m & 10.60-11.00m. Waterflush rotary core drilled (116mm diameter): 2.00-5.70m & 9.10-10.60m. CASING: PW diameter to 7.00m. GROUNDWATER: Not encountered prior to the use of water flush. BACKFILL: Upon completion hole backfilled with bentonite pellets: 0.50-11.00m, washed gravel: 0.30-0.50m and reinstated with chemical coldlay tarmacadam: 0.00-0.30m. REMARKS: Consistencies are described in accordance with field observations as detailed in section 5.1 of BS EN ISO 14688 (2002).