

# soil mechanics department

BOREHOLE No.

B 10 ✓

CONTRACT A.130 Battlesbridge By-Pass.

REPORT No. 004/71/SEQ

Client Essex County Council.

Ground Level

3.44 m. o. d.

Site Address Battlesbridge, Essex.

 Boring Commenced 19.11.71  
 Boring Completed 20.11.71

 Type and Dia. of Boring  
 Shell and Auger 200 mm. diameter.

 TQ 79SE 18 b  
 c. 7761. 9428

Water Strikes

1. 2.00 (seepage)
- 2.
- 3.

Hole Depth	5.30
Casing Depth	5.00
Water Level	None

Water Levels Recorded During Boring m

1
2

Remarks Water level in borehole 24 hours after casing withdrawn was 1.50 m.

Description	Scale 20mm = 1 m.		Samples		Depth m	S.F.Y. N.
	Depth	Legend	Ref. No.	Type		
Topsoil.	0.20		2201	J	0.20	
Very stiff brown and orange mottled silty clay.	0.50		2202	J	0.30	
Very soft, becoming firm, brown and orange mottled clay with organic matter. <i>Est Alluvium</i>			2203	U	0.50- 0.95	
			2204	J	1.50	
Soft to firm grey/brown silty clay with traces of organic matter. <i>Est Alluvium</i>	1.70		2205	J	1.70	
			2206	U	2.00- 2.45	
Firm clay and flint pebbles. <i>gravel lag</i>	2.40		2207	J	2.50	
			2208	D	3.30	36
Rounded gravel in a matrix of brown clay. <i>gravel</i>	3.00		2209	J	4.00	
			2210	J	4.50	
Firm blue-grey fissured clay.	4.30		2211	U	5.00- 5.45	
			2212	J	6.00	
<i>fresh London Clay</i>			2213	U	6.50- 6.95	
			2214	J	7.50	
Stiff blue-grey fissured silty clay with silt in partings at some levels.	8.00		2215	U	8.00- 8.45	
			2216	J	9.00	

Code: U—Undisturbed Sample

D—Large Disturbed Sample

J—Jar Sample

W—Water Sample