

ST27NW 294-295

7/29

In square  
2176

British Geological Survey

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ROVER WAY

British Geological Survey

British Geological Survey

BH 2

295

British Geological Survey

BH 1

294

British Geological Survey

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BRAG HEADS

British Geological Survey

British Geological Survey

**Cementation  
Ground Engineering**

soil mechanics department

ROVER WAY INDUSTRIAL SITE, CARDIFF

LOCATION OF BOREHOLES.

Scale

1/125

Drawing

4078

CONTRACT ROVERWAY INDUSTRIAL ESTATE, CARDIFF.

REPORT No. 4078/73/L1/iW

Client City of Cardiff. ST27NW 294

Ground Level 9.43 m.O.D.

Site Address Roverway, Cardiff,

Boring Commenced 30.3.73  
 Boring Completed 3.4.73

Shell & Auger Boring 250 mm. dia. to m. mm. dia. to m.  
 Rotary Drilling dia. to m. dia. to m.

Circulation Fluid—2.147  
 Circulation Fluid—7638

	Strikes	Inflow	Sealed at	Date	am. 3/4				
Ground	7.00 m.	Seepage		Hole Depth	17.50				
Water	16.00 m.	Medium	8.00 m.	Casing Depth	17.50				
Record				Water Level	14.00				

Remarks  
 Hard strata from 0.00 to 7.50m. and from 24.00 to 26.00m.  
 Standpipe installed to 17.00m. Water level = 8.00m.

Description	Scale 20mm = 1 m		Sample Ref. No.	Type	Sample Taken		N blows/ 0.3 m.
	Depth	Legend			From m.	To m.	
Made ground (brick, stones, silt, clay etc.)	3.00		1047	D	0.50	1.10	90+
			1048	J	1.50		
			1049	D	2.00	2.60	80+
			1050	J	3.10		
Made ground (ash, slag, clay etc.)	3.00		1051	D	3.50	4.10	290+
			1052	J	4.50		
			1053	D	5.00	5.60	180+
			1054	J	6.00		
Soft, firm in parts, grey slightly organic silty clay, weathering to a brown colouration.	7.50		1055	D	6.50	7.10	160+
			1056	U	7.60	8.05	
			1057	J	8.50		

ST21NW 294

**Continuation**  
**Ground Engineering**

soil mechanics department

BOREHOLE No.

1  
Continuation Sheet No. 1

CONTRACT ROVERWAY INDUSTRIAL ESTATE, CARDIFF.

REPORT No. 4078/73/LL/TW.

Description	Scale 20mm =	1 m	Sample Ref. No.	Type	Sample Taken		N blows 0.3
	Depth	Legend			From m.	To m.	
Soft, firm in parts, grey slightly organic silty clay, weathering to a brown colouration. (cont'd.)			1058	U	9.10	9.55	
			1059	J	10.00		
			1060	U	10.60	11.05	
			1061	J	11.50		
			1062	U	12.10	12.55	
			1063	J	13.00		
Gravel with grey sand and nodules of grey silty clay.			1064	U	13.60	14.05	
			1065	J	14.50		
			1066	U	15.10	15.55	
	16.00		1067	D	16.20	16.80	2
Stiff grey friable marl.			1068	J	17.30		
			1069	D	17.50	18.00	3
	18.00		1070	U	18.20	18.65	
Stiff red friable marl with lenses of grey marl and thin bands of hard marl.			1071	J	19.20		
	19.00		1072	U	19.70	20.15	
			1073	J	20.70		

U - Undisturbed Sample, P - Piston Sample, D - Large Disturbance Sample, J - Jet Sample, W - Water Sample

ST27NW 294

**Geotechnical**  
Soil Mechanics Engineering

soil mechanics department

BOREHOLE No.

1

Continuation Sheet No. 2

CONTRACT ROVERWAY INDUSTRIAL ESTATE, CARDIFF.

REPORT No. 4078/73/11/PW

Description	Scale 20mm = 1 m		Sample Ref. No.	Type	Sample Taken		N blows/ 0.3 m
	Depth	Legend			From m.	To m.	
Stiff red friable marl with lenses of grey marl and thin bands of hard marl. (cont'd.)			1074	U	21.30	21.75	
			1075	J	22.30		
			1076	U	22.80	23.25	
			1077	U	24.00	24.45	
	25.00		1078	D	25.00	25.60	200
	26.00		1079	W	(16.00)		
Hard red marl.							

CC1.55 U—Undisturbed Sample, P—Piston Sample, O—Large O—Curved Sample, R—Rider Sample, W—Wash Sample