



RECORD OF BOREHOLE NO. 577

Ground level: 544.5ft. above O.D. Newlyn (10.4.63) Dia. of boring: 8in. to 8ft.6in.
Type of boring: Shell and Auger and Rotary Core Drilling Lining tubes: 8X (2 1/2 in.) to 10ft.

Daily Program	Core Recovery or Samples		Change of Strata			Description of Strata
	Depth	Percentage of Type	Legend	Depth	O.D. Level	
	1'0" - 2'6"	U(4) 0		0'0"	543.7	TOP SOIL
5.4.63	2'6" - 6'0"	U(4) 0		7'6"	537.0	Stiff mottled gray and brown silty CLAY
6.4.63	6'0" - 12'0"	U(4) 0				Pale brown argillaceous fine SANDSTONE; heavily ironstained with open vertical fissures from 10ft. to 11ft.; from 13ft.6in. becoming increasingly muddy and laminated, to grade, from 16ft. to 19ft.6in., to sandy mudstone
6.5.63	12'0" - 20'0"	70%		20'0"	523.7	Broken grey MUDSTONE; sandy at 22ft.6in.
	20'0" - 25'0"	70%		25'0"	521.3	Gray fine SANDSTONE; ironstained in part
	25'0" - 30'0"	50%		30'0"	519.5	Well bedded, gray MUDSTONE with steeply inclined fissuring, some ironstained; occasional ironstones; mussel band at 29ft.
	30'0" - 35'0"	50%		35'0"	509.8	
	35'0" - 40'0"	80%		40'0"	508.5	Irregularly laminated light and dark gray muddy fine SANDSTONE grading to laminated mudstone at 39ft.6in.
7.5.63	40'0" - 44'0"					
	44'0" - 48'0"					

Key to type of sample:
U (4) - 4 in. dia. undisturbed sample.
U (1 1/2) - 1 1/2 in. dia. " "
D - disturbed sample.
BD - bulk disturbed sample.
W - water sample.
S { } - standard penetration test.
C { } - dynamic cone penetration test.
No. in brackets gives
No. of blows/12 in. penetration.

Remarks: (Observations on ground-water, etc.)

MINISTRY OF TRANSPORT
LONDON-YORKSHIRE MOTORWAY
TROWELL TO BARLBOROUGH SECTION

Soils No: 3/3847
FIG. 194

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CENTRAL LABORATORY

HAYES



GEOLOGICAL SURVEY OF GREAT BRITAIN		(For Survey use only)	
RECORD OF SHAFT OR BORE FOR MINERALS		6-inch Map Registered No.	
Name of Shaft or Bore given by Geological Survey: 577		SK45NW 238	
Name and Number given by owner:		Nat. Grid Reference	
		4498 5985	
For whom made		1" N.S. Map No.	1" O.S. Map No.
Town or Village		Confidential or not	
Exact site		Attach a tracing from a map, or a sketch-map, if possible.	
Purpose for which made			
Ground Level at shaft bore relative to O.D.		If not ground level give O.D. of beginning of shaft bore	
Made by		Date of sinking 1913	
Information from Com.		Date received 1913	
Examined by D. I. Frost.			

SPECIMEN NUMBERS AND ADDITIONAL NOTES

(For Survey use only) GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	THICKNESS		DEPTH	
		FT	IN.	FT	IN.
				8	6
	Sandstone, light brown, fine grained, with silty nodules and siliceous laminae & bands at 18' - 20'	16	6	25	0
	Laminitic staining				
	Mudstone, grey, with sporadic nodules and fish scales, and nodules with sporangia below 26'	10	0	35	0
	Sporadic granitic bands				
	Sandstone, pale green grey, fine grained, with siliceous bands and thin laminae near top.	5	0	40	0
	Base of Hole				

359823/1 2385 4m 1/61 XL