

RECORD OF SHAFT OR BORE FOR MINERALS

TQ28SE/10

Name of Shaft or Bore given by Geological Survey:

Name and Number given by owner:

St. Pancras Borough Baths.

Nat. Grid Reference

29280.83586

For whom made

Town or Village

St. Pancras.

County

London

Exact site

Attach a tracing from a map, or a sketch-map, if possible.

1" N.S. Map No.

256

1" O.S. Map No.

Confidential or not

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

1901

Information from

Date received

Examined by

SPECIMEN NUMBERS AND ADDITIONAL NOTES

(For Survey use only)

GEOLOGICAL CLASSIFICATION

DESCRIPTION OF STRATA

THICKNESS

DEPTH

Ft.

IN.

Ft.

IN.

London wells pp 141-142

400 (121.92 m)

1. ST. PANCRAS BOROUGH BATHS. King Street.

85 feet above Ordnance Datum. (25.91 m)

Made by MESSRS. LE GRAND & SUTCLIFF in 1901; Communicated by W. W.

BLAIR, Esq., Borough Engineer (22.56)

Diameter of bore 11 1/2 inches. Water-level 74 feet below O.D. Supply 8,000 to 9,000 gallons an hour. Water-level 108 feet below O.D. in 1910. (32.92 m)

London Map 7, N.W. (d. 4).

Thickness. Depth.

	Thickness. Feet.	Depth. Feet.
Made ground (0.91)	3	3 (0.91)
Yellow Clay (6.71)	22	25 (7.62)
[London Clay.] Blue clay (0.91)	3	28 (8.53)
Claystones (0.30)	1	29 (8.84)
Blue clay (19.20)	63	92 (28.04)

Thickness. Depth.

	Thickness. Feet.	Depth. Feet.
[Woolwich Beds.] Mottled clay (2.70)	41	133 (40.54)
Sandy green clay (2.74)	9	142 (43.28)
[Thanet.] Grey sand (5.74)	19	161 (49.07)
Flints ... (0.20)	1	162 (49.33)
Chalk and flints	238	400 (121.92)

(72.54)

WELL BORING at *Junction of High St. N.W.1.*
Tevershall St. N.W.1.

County

C 12.

Geol. map
 Made by

1 in. map New Series

6 in. map

7 N.W. 79/28SE/296

TQ 28 SE

Date

1900.

29198338

Sunk

feet.

Bored

feet.

256

Communicated by *H.C.C.*

Height above Ordnance Datum *79.*

Rest level of water

Yield *(24.08 m)*

Quality (with copy of analysis on separate sheet)

GEOLOGICAL FORMATION	NATURE OF STRATA	THICKNESS		DEPTH	
		Feet	Inches	Feet	Inches
	<i>Made Ground River Mud. Clay.</i>	<i>4</i>	<i>-</i>	<i>4</i>	<i>-(1.22m)</i>
		<i>2</i>	<i>-</i>	<i>6</i>	<i>-(1.83m)</i>
		<i>17</i>	<i>-</i>	<i>23</i>	<i>-(7.01m)</i>

WELL BORING at

In Arlington Rd, 30 yds N. of Nottingham St. N.W.

County

C 34

Geol. map Made by

1 in. map New Series

6 in. map

7. NW / T9 / 28 SE / 311

Date 1907-10.

Sunk feet.

Bored

feet.

29018348
256

Communicated by L.C.C.

Height above Ordnance Datum 90.61.

Rest level of water

Yield (27.65m)

Quality (with copy of analysis on separate sheet)

GEOLOGICAL FORMATION	NATURE OF STRATA	THICKNESS		DEPTH	
		Feet	Inches	Feet	Inches
	Macadam.	1	-	1	0 (0.30m)
	Made ground.	2	6	3	6 (1.87m)
	yellow & brown clay.	26	6	30	9 (2.74m)
	Blue clay.	Unbattered			

RECORD OF BOREHOLE NO. 1

TQ 28 SE
 TQ 28 SE 1019 [TQ 29 83 SW]
 2942 8335
 D.P. US.
 Solid rock

Ground level: 71.0ft above O.D. Newlyn Dia. of boring: 8in to 50ft
 Type of boring: Shell and Auger Lining tubes: 8in to 5ft

Daily Progress	Samples		Change of Strata			Description of Strata
	Depth	Type	Legend	Depth	O.D. Level	
	0'6" - 0'9"	BD	[Cross-hatched]	0'9"	70.2	FILL (brick rubble, asphalt, topsoil)
	1'6" - 3'0"	U(4) D	[Cross-hatched]			
	5'0"	D	[Cross-hatched]			
	6'6" - 8'0"	U(4) D	[Cross-hatched]			
	10'0"	D	[Cross-hatched]			
	11'6" - 13'0"	U(4) D	[Cross-hatched]			Firm to stiff fissured brown, occasionally mottled brown and orange, silty CLAY with occasional pockets of fine sand and gypsum crystals
	15'0"	D	[Cross-hatched]			
	16'6" - 18'0"	U(4) D	[Cross-hatched]			
	21'0"	D	[Cross-hatched]			
	21'6" - 22'0"	U(4) D	[Cross-hatched]	22'0"	49.0	
	22'0"	D	[Cross-hatched]			
	26'0" - 27'0"	U(4) D	[Cross-hatched]			
	30'0"	D	[Cross-hatched]			
	35'6" - 35'0"	U(4) D	[Cross-hatched]			
	35'0"	D	[Cross-hatched]			
	36'6" - 38'0"	U(4) D	[Cross-hatched]			Stiff to very stiff fissured grey silty CLAY; sandy in places with occasional pockets and partings of fine sand, and pyrite nodules
	40'0"	D	[Cross-hatched]			
	41'6" - 43'0"	U(4) D	[Cross-hatched]			
	43'0"	D	[Cross-hatched]			
	45'0"	D	[Cross-hatched]			
	46'6" - 48'0"	U(4) D	[Cross-hatched]			
	48'0"	D	[Cross-hatched]			
31 B 57	49'6" - 50'0"	U(4) D	[Cross-hatched]	50'0"	21.0	
	50'0"	D	[Cross-hatched]			

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.
 V — vane test.
 S () — standard penetration test.
 C () — dynamic cone penetration test.
 Figure in brackets is No. of blows for penetration given in depth column (see Notes, page 1).

Remarks: (Observations on ground-water, etc.)
 Ground-water was first encountered as a seepage at a depth of 28ft below ground level. The borehole was dry on completion of boring

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Lab Ref No. S/6177

FIG. 1

RECORD OF BOREHOLE NO. 2

TRUSS 1020

2947 8332

Ground level: ^(+22.04m) 72.3ft above O.D. Newlyn

Dia. of boring: 8in to 80ft

Type of boring: Shell and Auger

Lining tubes: 8in to 7ft

Daily Progress	Samples		Change of Strata			Description of Strata	
	Depth	Type	Legend	Depth	O.D. Level		
	2'6"	BD		3'0"	69.3	FILL (brown clay and brick rubble, topsoil, gravel)	
	3'0" - 3'6"	U(4) D					
	7'0"	D					
	9'6" - 10'0"	U(4) D					
	12'0"	D					Firm to stiff fissured brown, occasionally mottled brown and orange, silty CLAY with occasional pockets of fine sand, gypsum crystals
	14'6" - 15'0"	U(4) D					
	17'0"	D					
	19'6" - 20'0"	U(4) D					
	22'0"	D					
	24'6" - 25'0"	U(4) D			23'0"	49.3	
	27'0"	D					
	29'6" - 30'0"	U(4) D					
	32'0"	D					
	34'6" - 35'0"	U(4) D					
	37'0"	D					
7.9.57	39'6" - 40'0"	U(4) D					
	42'0"	D					
	44'6" - 45'0"	U(4) D				Stiff to very stiff, becoming hard, fissured grey silty CLAY; sandy in places with occasional pockets and partings of fine sand, and pyrites nodules; claystone at 33ft	
	47'0"	D					
	49'6" - 50'0"	U(4) D					
	52'0"	D					
	54'6" - 55'0"	U(4) D					
	57'0"	D					
	59'6" - 60'0"	U(4) D					
	62'0"	D					
	64'6" - 65'0"	U(4) D					
	67'0"	D					

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.
 V -- vane test.
 S () -- standard penetration test.
 C () -- dynamic cone penetration test.
 Figure in brackets is No. of blows for penetration given in depth column (see Notes, page 1).

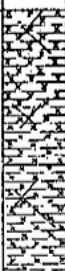
Remarks: (Observations on ground-water, etc.)

(see over)

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FIG. 2

Daily Progress	Samples		Change of Strata			Description of Strata
	Depth	Type	Legend	Depth	O.D. Level	
8.9.67	68'0" - 70'0" 70'0" - 72'0"	U (4) D				see previous sheet
	73'0" - 75'0" 75'0" - 77'0"	U (4) D		75'0" 21.26	-2.7 -0.8	Hard fissured mottled red, grey and brown silty CLAY.
	77'0" - 80'0"	D				
	80'0" - 82'0"	U (4)		80'0" 24.28	-7.7	
Key to type of sample : U (4) — 4 in. dia. undisturbed sample. U (1½) — 1½ in. dia. " " D — disturbed sample. " BD — bulk disturbed sample. V — vane test. S { } — standard penetration test. C { } — dynamic cone penetration test. Figure in brackets is No. of blows for penetration given in depth column (see Notes, page 1).			Remarks : (Observations on ground-water, etc.) Ground-water was first encountered as a seepage from a claystone horizon at a depth of 33ft below ground level. On the mornings of 8.9.67 and 9.9.67, ground-water stood in the boreholes at depths of 39ft and 78ft below ground level, respectively; the borehole having been dry the evening before. Sample of ground-water taken. In order to avoid services, a pit 3ft 6in deep was excavated at the borehole position prior to commencement of boring.			
CAMDEN, OAKLEY SQUARE						Soils No : S/6477..... FIG. 2 (cont.)

RECORD OF BOREHOLE NO. 3

7228SE 1021
2948 8528

Ground level : 72.3ft above O.D. Newlyn Dia. of boring : 8in
 Type of boring : Shell and Auger Lining tubes : 8in to 8ft

Daily Progress	Samples		Change of Strata			Description of Strata
	Depth	Type	Legend	Depth	O.D. Level	
	2' 0"	BD		3' 0"	62.3	FILL (brick rubble, topsoil and sand)
25.8.67	3' 6" - 5' 0"	U(4) D				Firm to stiff fissured brown, occasionally mottled brown and orange, silty CLAY with occasional pockets and partings of fine sand, and gypsum crystals
	6' 6"	D				
	7' 4" - 10' 0"	U(4) D				
	12' 0"	D				
	15' 6" - 15' 0"	U(4) D				
	17' 0"	D				
	19' 6" - 20' 0"	U(4) D				
	21' 0"	D				
	23' 0" - 25' 0"	U(4) D		26' 0"	46.3	
	26' 0"	D				
30.8.67	28' 6" - 30' 0"	U(4) D				Stiff to very stiff fissured grey silty CLAY; sandy in places, with pockets and partings of fine sand
	32' 0"	D				
	33' 6" - 35' 0"	U(4) D				
	37' 0"	D				
	38' 6" - 40' 0"	U(4) D				
	40' 0"	D				
	43' 6" - 45' 0"	U(4) D				
	45' 0"	D				
	47' 0"	D				
	48' 6" - 50' 0"	U(4) D		50' 0"	22.3	
50' 0"	D					

Key to type of sample :
 U (4) — 4 in. dia. undisturbed sample.
 U (1½) — 1½ in. dia. " "
 D — disturbed sample. " "
 BD — bulk disturbed sample.
 V — vane test.
 S () — standard penetration test.
 C () — dynamic cone penetration test.
 Figure in brackets is No. of blows for penetration given in depth column (see Plates, page 1)

Remarks : (Observations on ground-water, etc.)
 On the morning of 30.8.67, ground-water stood in the borehole at a depth of 5ft 3in below ground level, the borehole having been dry the evening before. The borehole was dry on completion of boring. Sample of ground-water taken. On completion of boring a 20ft length of 2in diameter standpipe, the bottom 5ft of which was perforated, was inserted in the borehole.

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FIG. 3

RECORD OF BOREHOLE NO. 4




TQ 28SE 1022
243 8324

Ground level : 74.7ft above O.D. Newlyn

Dia. of boring : 8in to 25ft
6in to 40ft

Type of boring : Shell and Auger

Lining tubes : 8in to 7ft
6in to 25ft

Daily Progress	Samples		Change of Strata			Description of Strata	
	Depth	Type	Legend	Depth	O.D. Level		
	1.6" - 2.6"	BD D		2.6"	72.2	FILL (brick rubble, sand, gravel and topsoil)	
	3.4" - 5.0"	U(4) D				Stiff fissured brown, occasionally mottled brown and orange, silty CLAY with occasional pockets of fine sand, and gypsum crystals	
	7.0"	D					
	1.4" - 1.0"	U(4) D					
	1.0"	D					
	14.5" - 15.0"	U(4) D					
	17.0"	D					
	19.0" - 20.0"	U(4) D					
	20.0"	D					
9.9.67	22.6" - 25.0"	U(4) D		26.0"	88.7		
	2.0"	D					
	28.0" - 30.0"	U(4) D				Stiff to very stiff fissured grey silty CLAY with occasional pockets and partings of fine sand	
	30.0"	D					
	32.0"	D					
	33.5" - 35.0"	U(4) D					
	33.0"	D					
10.9.67	28.6" - 40.0"	U(4) D	40.0"	88.7			
	40.0"	D					

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.
 V — vane test.
 S () — standard penetration test.
 C () — dynamic cone penetration test.
 Figure in brackets is No. of blows for penetration given in depth column (see Notes, page 1).

Remarks : (Observations on ground-water, etc.)
 On the morning of 10.9.67, ground-water stood at a depth of 18ft below ground level, the borehole having been dry the evening before. The borehole was dry on completion of boring. Sample of ground-water taken.

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FIG. 4

RECORD OF BOREHOLE NO. 5

TQ 28 SW

1028

294 8328

Ground level : 76.9ft above O.D. Newlyn

Dia. of boring : 8in

Type of boring : Shell and Auger

Lining tubes : 8in to 8ft

Daily Progress	Samples		Change of Strata			Description of Strata	
	Depth	Type	Legend	Depth	O.D. level		
	3'6"	BD		3'0"	73.9	FILL (clay, gravel and topsoil)	
	3'0"	D					
	3'0" - 5'0"	U(4)					
	5'0"	D					
	7'6"	D					
4.9.67	10'0" - 10'0"	U(4)					
	10'0"	D					
	11'6"	D					
	13'6" - 13'0"	U(4)					Stiff fissured brown, occasionally mottled brown and orange, silty CLAY with occasional pockets of fine sand, and gypsum crystals; claystone at 12ft
	13'0"	D					
	18'6"	D					
	18'6" - 20'0"	U(4)					
	20'0"	D					
	21'6"	D					
	23'6" - 23'0"	U(4)		26'0"	50.9		
	23'0"	D					
	28'6" - 30'0"	U(4)				Stiff to very stiff fissured gray silty CLAY with occasional pockets and partings of fine sand	
	30'0"	D					
	31'6"	D					
	33'6" - 35'0"	U(4)					
	35'0"	D					
	36'6"	D					
5.9.67	39'6" - 40'0"	U(4)		40'0"	36.9		
	40'0"	D					

Key to type of sample :
 U (4) --- 4 in. dia. undisturbed sample.
 U (1½) --- 1½ in. dia. " "
 D --- disturbed sample.
 BD --- bulk disturbed sample.
 V --- vane test.
 S () --- standard penetration test.
 C () --- dynamic cone penetration test.
 Figure in brackets is No. of blows for penetration given in depth column (see Notes, page 1).

Remarks : (Observations on ground-water, etc.)
 Ground-water was first encountered as a seepage from a claystone horizon at a depth of 12ft below ground level and on completion of boring ground-water stood at a depth of 27ft below ground level, rising to a depth of 12ft below ground level by 6.9.67. Sample of ground-water taken.

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FIG. 5