

WATER-TESTING ANALYSIS LTD.,
23, VICTORIA STREET,
LONDON, S.W.1.

TEL. ABBEY 6925

CHART OF BOREHOLE NO. 1 AT Havant

COMMENCED 13.5.62 FINISHED 17.5.62

GROUND LEVEL 116.18' CD.

WATER LEVEL R.M. R.M.

BORING FROM		DESCRIPTION	SAMPLE	
ft.	ins.		DEPTH	No.
0.0	0.9	Topsoil & leaf mould		
0.9		Mottled grey and orange firm clay - some	10"	1
	5.0	Slight gravel to 16" B.S.	30"	2
5.0	10.3	Brown grey mottled orange firm clay	80"	3
10.3		Blue grey firm clay	110"	4
			160"	5
	25.9		210"	6
25.9		Blue grey firm clay - slightly shaly	260"	7
			310"	8
	38.0		360"	9
38.0	38.3	Claystone	380"	10
38.3		Blue grey firm clay - slightly shaly	410"	11
	50.0		460"	12
			500"	13

REMARKS: U/D No. 1 taken at 1'6" - 3'0" Tube No. 12
 " " 2 " " 6'6" - 8'0" " " 152
 " " 3 " " 11'6" - 13'0" " " 153
 " " 4 " " 16'6" - 18'0" " " 150
 " " 5 " " 26'6" - 28'0" " " 187
 " " 6 " " 31'6" - 33'0" " " 192
 " " 7 " " 36'6" - 38'0" " " 184
 " " 8 " " 41'6" - 43'0" " " 178
 " " 9 " " 46'6" - 48'0" " " 159

U/D attempted at 21'6" - 23'0" - failed to hold - cleared hole and attempted another at 24'0" - 25'6" - also failed.

GROUND WATER DETAILS IN BOREHOLE

DEPTH WATER ENCOUNTERED.....'....." B.S.....

STANDING WATER LEVEL:-

<u>DATE</u>	<u>A.M.</u>	<u>P.M.</u>	<u>DATE</u>	<u>A.M.</u>	<u>P.M.</u>
13/5/1962	" B.S.	DRY " B.S.	17/5/1962	DRY " B.S.	DRY " B.S.
14/5/1962	DRY " B.S.	DRY " B.S.	/ /196	" B.S.	" B.S.
15/5/1962	DRY " B.S.	DRY " B.S.	/ /196	" B.S.	" B.S.
16/5/1962	26' 8" B.S.	DRY " B.S.	/ /196	" B.S.	" B.S.

RATE OF RECOVERY TEST

DATE.....TIME.....a.m./p.m. DEPTH OF CASTING.....'....." B.S.
DEPTH BOREHOLE OPEN TO.....'....." B.S.
STANDING WATER LEVEL AT BEGINNING OF TEST..... B.S.
LEVEL REDUCED TO.....'....." B.S. IN.....mins.

RECOVERY OF LEVEL

<u>TIME</u>	<u>WATER LEVEL</u>
1 min.....	'....." B.S.
2 mins.....	'....." B.S.
4 mins.....	'....." B.S.
6 mins.....	'....." B.S.
8 mins.....	'....." B.S.
10 mins.....	'....." B.S.
15 mins.....	'....." B.S.
20 mins.....	'....." B.S.
30 mins.....	'....." B.S.

<u>TIME</u>	<u>WATER LEVEL</u>
40 mins.....	'....." B.S.
60 mins.....	'....." B.S.
1½ hrs.....	'....." B.S.
2 hrs.....	'....." B.S.
2½ hrs.....	'....." B.S.
3 hrs.....	'....." B.S.
4 hrs.....	'....." B.S.
5 hrs.....	'....." B.S.

STATE OF TIDE AT TIME OF TEST (If applicable) :-

WEATHER CONDITIONS AT TIME OF TEST:-

WATER SAMPLES

No.....	Depth.....'....." B.S.	No.....	Depth.....'....." B.S.
No.....	Depth.....'....." B.S.	No.....	Depth.....'....." B.S.

REMARKS Water seepage encountered at 8'0"

T65. LEBBY 1925

COLLAPSED 11-5-62 FINISHED 19-5-62

GROUND LEVEL 118.20' ASD.

WATER LEVEL

BORING FROM _____ SAMPLE _____

[illegible]

5-9	light brown mottled clay	1'-3'	1
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5-9 9-3. Kalam basin sandy clay 5-9 2

9-3	12-0	Medium grey clay	9-6	3.
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12-0	12-9	Grey/blue shaly clay	12'-3"	4
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12-9	19-6	Fine medium gray clay	16-0	5
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18-6-6

19-6 30-5 Fins blue/gray along. 20-3 4

$\frac{86}{10} = 8.6$

30' 0" 9.

REMARKS: UD samples at following depths:-

- 1 1'-6" to 3'-0" Tube No. 17.
- 2 6'-6" to 8'-0" Tube No. 19.
- 3 10'-6" to 18'-0" Tube No. 189.
- 4 21'-6" to 23'-0" Tube No. 97.
- 5 26'-6" to 28'-0" Tube No. 117.

GROUND WATER DETAILS IN BOREHOLE

DEPTH WATER ENCOUNTERED.....'....." B.S.....

STANDING WATER LEVEL:-

<u>DATE</u>	<u>A.M.</u>	<u>P.M.</u>	<u>DATE</u>	<u>A.M.</u>	<u>P.M.</u>
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.

RATE OF RECOVERY TEST

D.T.P......TIME.....a.m./p.m.⁺ DEPTH OF CASTING.....'....." B.S.
DEPTH BOREHOLE OPEN TO.....'....." B.S.
STANDING WATER LEVEL AT BEGINNING OF TEST..... B.S.
LEVEL REDUCED TO.....'....." B.S. IN.....mins.

RECOVERY OF LEVEL

<u>TIME</u>	<u>WATER LEVEL</u>
1 min.....	" B.S.
2 mins.....	" B.S.
4 mins.....	" B.S.
6 mins.....	" B.S.
8 mins.....	" B.S.
10 mins.....	" B.S.
15 mins.....	" B.S.
20 mins.....	" B.S.
30 mins.....	" B.S.

<u>TIME</u>	<u>WATER LEVEL</u>
40 mins.....	" B.S.
60 mins.....	" B.S.
1½ hrs.....	" B.S.
2 hrs.....	" B.S.
2½ hrs.....	" B.S.
3 hrs.....	" B.S.
4 hrs.....	" B.S.
5 hrs.....	" B.S.

STATE OF TIDE AT TIME OF TEST (If applicable) :-

WEATHER CONDITIONS AT TIME OF TEST:-

WATER SAMPLES

No.....	Depth.....'....." B.S.	No.....	Depth.....'....." B.S.
No.....	Depth.....'....." B.S.	No.....	Depth.....'....." B.S.

REMARKS

Water sample for analysis (100 cc. sample)
 Water sample after coming very slight (1" to 2" in overnight)

Foraman.....

RES-PIPING MACHINE LTD.,
28, VICTORIA STREET,
LONDON, S.W.1.

TEL. ADJEX 4925

CHART OF BOREHOLE NO. 2 AT Fluvant

COMPLETED 22.5.62 FINISHED 26.5.62

GROUND LEVEL 88.09' AOD.

WATER LEVEL A.M. P.M.

BORING FROM		DESCRIPTION	SAMPLE	
ft. ins.	ft. ins.		DEPTH	No.
0.0	0.3	Topsoil		
2.3	3.0	Grey and yellow mottled firm clay	0'6"	1
3.0	5.6	Blue mottled orange-brown firm clay	5'0"	2
5.6		Blue mottled brown clay containing white	8'0"	3
	12.0	crystal substance		
12.0	12.4	Claystone	12'0"	4
12.4	17.3	Firm blue grey mottled brown clay	15'0"	5
17.3		Firm blue clay	19'0"	6
	31.0		23'0"	7
			28'0"	8
31.0		Blue grey silty clay interspersed with	33'0"	9
	47.6	layers of silt	38'0"	10
47.6		Blue grey firm clay	43'0"	11
	50.0		48'0"	12
			50'0"	13

REMARKS:		U/D sample No.1 taken at 1'6" - 3'0" Tube No.		
"	"	" 2 "	" 6'6" - 8'0"	" " 155
"	"	" 3 "	" 11'6" - 13'0"	" " 156
"	"	" 4 "	" 16'6" - 18'0"	" " 157
"	"	" 5 "	" 21'6" - 23'0"	" " 160
"	"	" 6 "	" 26'6" - 28'0"	" " 154
"	"	" 7 "	" 31'6" - 33'0"	" " 164
"	"	" 8 "	" 36'6" - 38'0"	" " 168
"	"	" 9 "	" 41'6" - 43'0"	" " 182
"	"	" 10 "	" 46'6" - 48'0"	" " 175
"	"	" 10 "	" 46'6" - 48'0"	" " 171

GROUND WATER DETAILS IN BOREHOLE

DEPTH WATER ENCOUNTERED.....'....." B.S.....

STANDING WATER LEVEL:-

DATE	A.M.	P.M.	DATE	A.M.	P.M.
22/5/1962	1 " B.S.	DRY " B.S.	24/5/1962	32' 6" B.S.	1 " B.S.
23/5/1962	DRY " B.S.	DRY " B.S.	/ /196	1 " B.S.	1 " B.S.
24/5/1962	SEEPAGE " B.S.	DRY " B.S.	/ /196	1 " B.S.	1 " B.S.
25/5/1962	SEEPAGE " B.S.	DRY " B.S.	/ /196	1 " B.S.	1 " B.S.

RATE OF RECOVERY TEST

DATE.....TIME.....a.m./p.m. DEPTH OF CASTING.....'....." B.S.

DEPTH BOREHOLE OPEN TO.....'....." B.S.

STANDING WATER LEVEL AT BEGINNING OF TEST..... B.S.

LEVEL REDUCED TO.....'....." B.S. IN.....mins.

RECOVERY OF LEVEL

TIME	WATER LEVEL
1 min.....	'....." B.S.
2 mins.....	'....." B.S.
4 mins.....	'....." B.S.
6 mins.....	'....." B.S.
8 mins.....	'....." B.S.
10 mins.....	'....." B.S.
15 mins.....	'....." B.S.
20 mins.....	'....." B.S.
30 mins.....	'....." B.S.

TIME	WATER LEVEL
40 mins.....	'....." B.S.
60 mins.....	'....." B.S.
1½ hrs.....	'....." B.S.
2 hrs.....	'....." B.S.
2½ hrs.....	'....." B.S.
3 hrs.....	'....." B.S.
4 hrs.....	'....." B.S.
5 hrs.....	'....." B.S.

STATE OF TIDE AT TIME OF TEST (If applicable) :-

WEATHER CONDITIONS AT TIME OF TEST:-

WATER SAMPLES

No..... Depth.....'....." B.S.
No..... Depth.....'....." B.S.

No..... Depth.....'....." B.S.
No..... Depth.....'....." B.S.

REMARKS

Water seepage encountered at 12'0" and from 31'0 m.

2.11.11

26th JULY 1925

RE VICTORIA STREET,
1st FLOOR, S. I.

CURT OF NO. 101A NO. 4 at Havant (Portsmouth & Gosport Water Co)

COLLECTED 22-5-22 FINISHED 21-5-22

GROUND LEVEL 30.55' ACD

WATER LEVEL S.E. P.E.

BORING FROM		DESCRIPTION	SAMPLE	
ft. ins.	ft. ins.		DEPTH	No.
3		Top road		
3	4-0	Soft light brown/grey mottled clay	1'-3"	1
4-0	6-9	Soft Medium brown/grey clay	4-3	2
6-9	10-3	Fine blue/grey clay - mottled clay	7-6	3
10-3	14-0	Fine medium brown/grey clay with small crystals	12-0	4
14-0	24-3	Fine grey/blue clay	15-0	5
			18-0	6
			21-0	7
			24-0	8
			24-6	9
24-3	40-0	Fine Medium grey clay interbedded with silty clay	27-0	10
			30-0	11
			33-0	12
			40-3	14
40-0	43-6	Medium grey silty clay band gravel	42-0	15
43-6	44-0	Grey silty clay	46-0	16
			48-0	17
47-0	53-6	Mottled blue/grey & red soil	51-0	18
			53-0	19

REMARKS: 1 to samples at following depths:-

- | | |
|-------------------------------|----------------------------------|
| 1, 1'-6" to 3'-0" Tube No. 11 | 9, 31'-6" to 33'-0" Tube No. 196 |
| 2, 4'-6" to 6'-0" " " 165 | 10, 34'-6" to 36'-0" " " 197 |
| 3, 7'-6" to 9'-0" " " 186 | 11, 37'-6" to 39'-0" " " 191 |
| 4, 13'-6" to 15'-0" " " 180 | 12, 40'-6" to 42'-0" " " 190 |
| 5, 16'-6" to 18'-0" " " 194 | 13, 43'-6" to 45'-0" " " 158 |
| 6, 19'-6" to 21'-0" " " 185 | 14, 46'-6" to 48'-0" " " 195 |
| 7, 25'-6" to 27'-0" " " 193 | 15, 49'-6" to 51'-0" " " 198 |
| 8, 28'-6" to 30'-0" " " 163 | 16, 52'-0" to 53'-6" " " 140 |

GROUP 1.1.1. WATER IN ROCKS

DEPTH WATER MEASURED....." B.S.....

STANDING WATER DEPTH:-

<u>DATE</u>	<u>A.M.</u>	<u>P.M.</u>	<u>DATE</u>	<u>A.M.</u>	<u>P.M.</u>
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.

DATE OF RECOVERY TEST

TIME.....TIME.....a.m./p.m. DEPTH OF CASING....." B.S.
 DEPTH BOREHOLE OPEN TO....." B.S.
 STANDING WATER LEVEL AT BEGINNING OF TEST..... B.S.
 LEVEL REDUCED TO....." B.S. IN.....mins.

RECOVERY OF LEVEL

<u>TIME</u>	<u>WATER LEVEL</u>	<u>TIME</u>	<u>WATER LEVEL</u>
1 min.....	" B.S.	40 mins.....	" B.S.
2 mins.....	" B.S.	60 mins.....	" B.S.
4 mins.....	" B.S.	1½ hrs.....	" B.S.
6 mins.....	" B.S.	2 hrs.....	" B.S.
8 mins.....	" B.S.	2½ hrs.....	" B.S.
10 mins.....	" B.S.	3 hrs.....	" B.S.
15 mins.....	" B.S.	4 hrs.....	" B.S.
20 mins.....	" B.S.	5 hrs.....	" B.S.
30 mins.....	" B.S.		

STATE OF FLOOD AT TIME OF TEST (If applicable) :-

WEATHER CONDITIONS AT TIME OF TEST:-

WATER SAMPLES

No.....	Depth.....	" B.S.	No.....	Depth.....	" B.S.
No.....	Depth.....	" B.S.	No.....	Depth.....	" B.S.

REMARKS

Water seepage observed at 1-6"



RE-ENTRY SURVEY CO.,
23, VICTORIA STREET,
LONDON, S.W.1.

TEL. ABBY 1925

CHART OF BORINGS NO. 3 1st March

COMPLETED 31/5/62 FINISHED 16/6/62

GROUND LEVEL

WATER LEVEL P.M. P.M.

BORING FROM		DESCRIPTION	SAMPLE	
ft. ins.	ft. ins.		DEPTH	No.
NIL	1 6	Brown mottled clay - Dip. Roolie		
1 6	2 0	Red mottled clay - Dip. Roolie	0'0	1
2 0	2 6	Red mottled clay - Dip. Roolie	6'0	2
2 6	10 0	Blue mottled clay	8'0	3
10 0	29 6	Blue little clay	12'0	4
29 6	33 6	Blue little clay	15'0	5
			18'0	6
			21'0	7
			24'0	8
			27'0	9
29 6	33 6	Blue little compact sand	30'0	10
33 6	42 0	Leading Red clay. nodules of grey clay.	33'0	11
42 0	42 0	Leading Red clay. nodules of grey clay	36'0	12
			39'0	13
			42'0	14

REMARKS:	DATE	DEPTH	RAOUL
No 151	1'6" - 3'0"		
" 167	4'6" - 6'0"		
" 173	7'6" - 9'0"		
" 176	10'0" - 12'0"		
" 182	13'6" - 15'0"	69	
" 179	16'0" - 18'0"	49	
" 177	19'0" - 21'0"	58	
" 174	25'6" - 27'0"	72	
" 180	28'6" - 30'0"	69	
" 186	31'0" - 33'0"	49	
" 161	34'6" - 36'0"	95	
" 208	37'0" - 39'0"	69	
" 205	40'6" - 42'0"	69	

GROUND WATER DETAILS IN BOREHOLE

DEPTH WATER ENCOUNTERED....." B.S.....

STANDING WATER LEVEL:-

DATE	A.M.	P.M.	DATE	A.M.	P.M.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.

WATER RECOVERY TEST

D.T.E.....TIME.....a.m./p.m. DEPTH OF CASTING....." B.S.
 DEPTH BOREHOLE OPEN TO....." B.S.
 STANDING WATER LEVEL AT BEGINNING OF TEST..... B.S.
 LEVEL REDUCED TO....." B.S. IN.....mins.

RECOVERY OF LEVEL

TIME	WATER LEVEL
1 min.....	" B.S.
2 mins.....	" B.S.
4 mins.....	" B.S.
6 mins.....	" B.S.
8 mins.....	" B.S.
10 mins.....	" B.S.
15 mins.....	" B.S.
20 mins.....	" B.S.
30 mins.....	" B.S.

TIME	WATER LEVEL
40 mins.....	" B.S.
60 mins.....	" B.S.
1½ hrs.....	" B.S.
2 hrs.....	" B.S.
2½ hrs.....	" B.S.
3 hrs.....	" B.S.
4 hrs.....	" B.S.
5 hrs.....	" B.S.

STATE OF TIDE AT TIME OF TEST (If applicable) :-

WEATHER CONDITIONS AT TIME OF TEST:-

WATER SAMPLES

No..... Depth....." B.S.
 No..... Depth....." B.S.

No..... Depth....." B.S.
 No..... Depth....." B.S.

REMARKS

Foreman.....

Havant

1-6-62	13-6-62
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UD samples:-

No 1	1'-6" to 3'-0"	Take No 199
No 2	11'-6" to 13'-0"	172
No 3	16'-6" to 18'-0"	188
No 4	21'-6" to 23'-0"	169
No 5	26'-6" to 28'-0"	166
No 6	31'-6" to 33'-0"	200
No 7	36'-6" to 38'-0"	201
No 8	46'-6" to 48'-0"	208

STANDARD TEST RESULTS

DEPTH FROM WHICH SAMPLED....." B.S.....

STANDARD TEST RESULTS

DATE	A.M.	P.M.	DATE	A.M.	P.M.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.

DATA OF TESTS

D. H." B.S. DEPTH OF CUTTING....." B.S.
 DEPTH FROM WHICH SAMPLED....." B.S.
 SAMPLED FROM DEPTH AT REPORTING OF TEST..... B.S.
 DEPTH FROM WHICH SAMPLED....." B.S. T.mins.

STANDARD TEST RESULTS

TIME	DEPTH
1 min.....	" B.S.
2 mins.....	" B.S.
4 mins.....	" B.S.
6 mins.....	" B.S.
8 mins.....	" B.S.
10 mins.....	" B.S.
15 mins.....	" B.S.
20 mins.....	" B.S.
30 mins.....	" B.S.

TIME	DEPTH
40 mins.....	" B.S.
60 mins.....	" B.S.
1 1/2 hrs.....	" B.S.
2 hrs.....	" B.S.
2 1/2 hrs.....	" B.S.
3 hrs.....	" B.S.
4 hrs.....	" B.S.
5 hrs.....	" B.S.

DATA OF TESTS AT END OF TIME (If applicable) :-

STANDARD TEST RESULTS

STANDARD TEST RESULTS

No..... Depth....." B.S.	No..... Depth....." B.S.
No..... Depth....." B.S.	No..... Depth....." B.S.

REMARKS

No water encountered in bore until 45.0"
 when between the completion and grouting of bore
 water rose to 14 ft 3 in

WILKINS & CARLISLE LTD.,
28, VICTORIA STREET,
LONDON, E.C.1.

TEL. ABBEY 1923

CHART OF BORING NO. 7 AT Haver + (Pittsburgh) Export Sales Co

COMPLETED 16-6-62 FINISHED 19-6-62

GROUND LEVEL _____

WATER LEVEL _____ A.M. _____ P.M. _____

SOUNDING FROM		DESCRIPTION	SAMPLE	
ft. ins.	ft. ins.		DEPTH	No.
4-0	4-0	Light brown mottled clay	1'-3"	1
4-0	16-9	Medium brown mottled clay (Firm)	4'-6"	2
16-9	18-6	Blue/grey clay (Firm)	12'-0"	3
18-6	23-9	Grey silt	14'-9"	4
23-9	26-0	Medium grey clay	18'-0"	5
26-0	28-3	Grey silt & pollen	24'-0"	6
28-3	30-0	Grey silty clay	27'-0"	7
			30'-0"	8

REMARKS:

VD Samples every 4-6 starting at 3'-0" B.S.

- 1 3'-0" to 4'-6" Tube No 203 (58)
- 2 10'-6" to 12'-0" Tube No 202 (73)
- 3 18'-0" to 19'-6" Tube No 207 (121)
- 4 25'-0" to 27'-0" Tube No 211 (219)

GROUND WATER DETAILS IN BOREHOLE

DEPTH WATER ENCOUNTERED.....'.....'....." B.S.....

STANDING WATER LEVEL:-

DATE	A.M.	P.M.	DATE	A.M.	P.M.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.

RAISE OF RECOVERY TEST

DATE.....TIME.....a.m./p.m. DEPTH OF CASTING.....'....." B.S.
 DEPTH BOREHOLE OPEN TO.....'....." B.S.
 STANDING WATER LEVEL AT BEGINNING OF TEST..... B.S.
 LEVEL REDUCED TO.....'....." B.S. IN.....mins.

RECOVERY OF LEVEL

TIME	WATER LEVEL	TIME	WATER LEVEL
1 min.....	" B.S.	40 mins.....	" B.S.
2 mins.....	" B.S.	60 mins.....	" B.S.
4 mins.....	" B.S.	1½ hrs.....	" B.S.
6 mins.....	" B.S.	2 hrs.....	" B.S.
8 mins.....	" B.S.	2½ hrs.....	" B.S.
10 mins.....	" B.S.	3 hrs.....	" B.S.
15 mins.....	" B.S.	4 hrs.....	" B.S.
20 mins.....	" B.S.	5 hrs.....	" B.S.
30 mins.....	" B.S.		

STATE OF TIDE AT TIME OF TEST (If applicable) :-

WEATHER CONDITIONS AT TIME OF TEST:-

WATER SAMPLES

No.....	Depth.....'....." B.S.	No.....	Depth.....'....." B.S.
No.....	Depth.....'....." B.S.	No.....	Depth.....'....." B.S.

REMARKS

Foraman.....

PAUL T. G. BOWMAN, INC.
28 VICTORIA STREET,
HAWAII, S. I.

TEL. 12504-1925

CHART OF BORING NO. <u>6</u>		AT <u>110' 415'</u>	
COLLECTED <u>16/8/62</u>		FILED <u>29/8/62</u>	
GROUND LEVEL			
WATER LEVEL			
BORING FROM			
DESCR. T.T. 1		SAMPLE	
Ft. ins.	Ft. ins.	DEPTH	No.
11.6	9' 6"	Light Brown mottled clay	39' 26" 210
			50' 96" 211
14.6	14' 6"	Light Brown mottled claystone soft	13' 9" 212
16' 6"	23' 0"	Blue clay with patches of silty sand	150' 126" 212
23' 0"	25' 0"	Blue clay from 2' clay	230' 250" 213
25' 0"	32' 6"	Blue clay with patches of silt	280' 296" 214
35' 6"	30' 10"	Silty sand & gravel	330' 328" 215
36' 10"	37' 4"	Sandstone Boulders	
37' 4"	40' 6"	Blue silty sandy clay	393' -
41' 6"	40' 9"	Reading Bed clay with nodules of grey clay	409' 219
40' 9"	50' 0"	Reading Bed clay with nodules of grey clay	
		Hard claystone through it	

REMARKS:

JAN. SINKAGE			
N ^o		N ^o	
1	1' 6"	8	36' 0"
2	9' 6"	9	37' 0"
3	14' 6"	10	40' 0"
4	19' 6"	11	40' 9"
5	23' 10"	12	50' 0"
6	24' 6"		
7	34' 6"		

GROUND WATER DETAILS IN BOREHOLE

DEPTH WATER ENCOUNTERED.....35'.....6"....." B.S.....

STANDING WATER LEVEL:-

DATE	A.M.	P.M.	DATE	A.M.	P.M.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.

RATE OF RECOVERY TEST

DATE.....TIME.....a.m./p.m. DEPTH OF CASING....." B.S.
 DEPTH BOREHOLE OPEN TO....." B.S.
 STANDING WATER LEVEL AT BEGINNING OF TEST..... B.S.
 LEVEL REDUCED TO....." B.S. IN.....mins.

RECOVERY OF LEVEL

TIME	WATER LEVEL	TIME	WATER LEVEL
1 min.....	" B.S.	40 mins.....	" B.S.
2 mins.....	" B.S.	60 mins.....	" B.S.
4 mins.....	" B.S.	1½ hrs.....	" B.S.
6 mins.....	" B.S.	2 hrs.....	" B.S.
8 mins.....	" B.S.	2½ hrs.....	" B.S.
10 mins.....	" B.S.	3 hrs.....	" B.S.
15 mins.....	" B.S.	4 hrs.....	" B.S.
20 mins.....	" B.S.	5 hrs.....	" B.S.
30 mins.....	" B.S.		

STATE OF FILL AT END OF TEST (If applicable) :-

WATER SAMPLES AT END OF TEST:-

WATER SAMPLES

No..... Depth....." B.S.	No..... Depth....." B.S.
No..... Depth....." B.S.	No..... Depth....." B.S.

REMARKS

W.D. & H.O. WILLS LTD.,
23, VICTORIA STREET,
LONDON, E.C.1.

TEL. ABBEY 1925

CHART OF BORINGS NO. 9 AT Havant (Portsmouth & Southwater Co.)

CONTINUED 21-6-62 FINISHED 22-6-62

GROUND LEVEL

WATER LEVEL a.m. p.m.

BORING FROM		DESCRIPTION	SAMPLE	
ft. ins.	ft. ins.		DEPTH	No.
✓ 5-6		Light brown mottled clay.	1'-6"	1.
5-6	9-3	Light brown mottled clay & medium gravel.	6'-3"	2.
9-3	11-0	Brown sandy clay (cont.)	9'-6"	3.
11-0	14-9	Grey silt	11'-3"	4.
14-9	25-0	Light blue/grey & red mottled clay (Firm) (hardening clay)	16'-0"	5.
			21'-6"	6.
			25'-0"	7.

REMARKS:

UD Sample taken in hardening clay at 20'-0" to 21'-6".
Tube No. 216. No. of blows 125.

Foraman. Robert Davis

GROUND WATER DETAILS IN BOREHOLE

DEPTH WATER ENCOUNTERED.....9.....0....." B.S.....

STANDING WATER LEVEL

DATE	A.M.	P.M.	DATE	A.M.	P.M.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.

RECOVERY OF LEVEL

D.T.E.....TIME.....a.m./p.m. DEPTH OF CASTING 20' 0" B.S.
 DEPTH BOREHOLE OPEN TO....." B.S.
 STANDING WATER LEVEL AT BEGINNING OF TEST..... B.S.
 LEVEL REDUCED TO....." B.S. IN.....mins.

RECOVERY OF LEVEL

TIME	WATER LEVEL	TIME	WATER LEVEL
1 min.....	" B.S.	40 mins.....	" B.S.
2 mins.....	" B.S.	60 mins.....	" B.S.
4 mins.....	" B.S.	1 1/2 hrs.....	" B.S.
6 mins.....	" B.S.	2 hrs.....	" B.S.
8 mins.....	" B.S.	2 1/2 hrs.....	" B.S.
10 mins.....	" B.S.	3 hrs.....	" B.S.
15 mins.....	" B.S.	4 hrs.....	" B.S.
20 mins.....	" B.S.	5 hrs.....	" B.S.
30 mins.....	" B.S.		

STATE OF TIDE AT TIME OF TEST (If applicable) :-

WEATHER CONDITIONS AT TIME OF TEST:-

WATER SAMPLES

No..... Depth....." B.S. No..... Depth....." B.S.
 No..... Depth....." B.S. No..... Depth....." B.S.

REMARKS

Foreman.....

TEL. ARMY 1925

COMBLED 28/6/62 FINISHED 28/6/62

GROUND LEVEL

WATER LEVEL	8.00	9.00
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BOATING FROM

SACIFPLS

DESCRIPTION

ft. ins. ft. ins.

DEPTH No.

6" Top. Soil.

1962

c. 9' 9" light brown clay

6	6	2
---	---	---

9 9' 11" 0" sand with gravel 10' 3" 3

10' 3' 3"

11' 0.15' 1' Blue Lilt.

12' 0' 4

15' 6" 16' 8" Rock

16'	3	5
-----	---	---

16° 4' 25" 8" Rotating bed clays

15° 0' 0"

$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$

25' 0" 7

THANKS: *u/p*

NO	DEPTH	Bottom BLOWS
222	30"-4'0"	(31)
228	8'6"-24'5"	(25)

Forster, J. S. *1841*.....

GROUND WATER DETAILS IN BORHOLE

DEPTH WATER ENCOUNTERED.....'.....'....." B.S.....

STANDING WATER LEVEL:-

<u>DATE</u>	<u>A.M.</u>	<u>P.M.</u>	<u>DATE</u>	<u>A.M.</u>	<u>P.M.</u>
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.

RATE OF RECOVERY TEST

D.T.E.....TIME.....a.m./p.m.⁺ DEPTH OF CASTING.....'....." B.S.
 DEPTH BORHOLE OPEN TO.....'....." B.S.
 STANDING WATER LEVEL AT BEGINNING OF TEST..... B.S.
 LEVEL REDUCED TO.....'....." B.S. IN.....mins.

RECOVERY OF LEVEL

<u>TIME</u>	<u>WATER LEVEL</u>	<u>TIME</u>	<u>WATER LEVEL</u>
1 min.....'	" B.S.	40 mins.....'	" B.S.
2 mins.....'	" B.S.	60 mins.....'	" B.S.
4 mins.....'	" B.S.	1½ hrs.....'	" B.S.
6 mins.....'	" B.S.	2 hrs.....'	" B.S.
8 mins.....'	" B.S.	2½ hrs.....'	" B.S.
10 mins.....'	" B.S.	3 hrs.....'	" B.S.
15 mins.....'	" B.S.	4 hrs.....'	" B.S.
20 mins.....'	" B.S.	5 hrs.....'	" B.S.
30 mins.....'	" B.S.		

STATE OF TIDE AT TIME OF TEST (If applicable) :-

WEATHER CONDITIONS AT TIME OF TEST:-

WATER SAMPLES

No.....	Depth.....'	" B.S.	No.....	Depth.....'	" B.S.
No.....	Depth.....'	" B.S.	No.....	Depth.....'	" B.S.

REMARKS

Feb. 1934

11
11
11

COUNT OF NO. 11 11 11

NO. 11 3/2/62 4/1/62

NO. 11 11 11

NO. 11 11 11

NO. 11 11 11

NO. 11 11 11

St. Ins.	Ft. Ins.	DESCRIPTION	DEPTH	No.
11	1'0"	TOP SOIL	0	0
0	2'0"	LIGHT BROWN MOTTLED SANDY CLAY - GRASS	2	0
4	0	LIGHT BROWN MOTTLED CLAY	6	0
0	19'6"	REDDING BED CLAY	10	0
			19	6

18'0" 19'6" 220 223

GROUND WATER DEPTHS IN POUNDS

DEPTH WATER MOUNTAIN....." B.S.....

STANDING WATER LEVEL:-

DATE	A.M.	P.M.	DATE	A.M.	P.M.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.

RATE OF RECOVERY TEST

DATE.....TIME.....a.m./p.m. DEPTH OF SPRING....." B.S.
 DEPTH BOREHOLE OPEN TO....." B.S.
 STANDING WATER LEVEL AT BEGINNING OF TEST..... B.S.
 LEVEL REDUCED TO....." B.S. IN.....mins.

RECOVERY OF LEVEL

TIME	WATER LEVEL
1 min.....	" B.S.
2 mins.....	" B.S.
4 mins.....	" B.S.
6 mins.....	" B.S.
8 mins.....	" B.S.
10 mins.....	" B.S.
15 mins.....	" B.S.
20 mins.....	" B.S.
30 mins.....	" B.S.

TIME	WATER LEVEL
40 mins.....	" B.S.
60 mins.....	" B.S.
1½ hrs.....	" B.S.
2 hrs.....	" B.S.
2½ hrs.....	" B.S.
3 hrs.....	" B.S.
4 hrs.....	" B.S.
5 hrs.....	" B.S.

STATE OF GROUND AT TIME OF TEST (if applicable) :-

GROUND CONDITIONS AT TIME OF TEST:-

WATER SAMPLE
 No..... Depth....." B.S.
 No..... Depth....." B.S.

No..... Depth....." B.S.
 No..... Depth....." B.S.

REMARKS

For use.....

P. & S. ENGINE WORKS LTD.,
28, VICTORIA STREET,
LONDON, E.C.1.

TEL. ABBEY 89

CHART OF BOREHOLE NO. 15 AT *Harvest*

COLLECTED *31/7/62* FINISHED *31/7/62*

GROUND LEVEL *123.80' AOD.*

WATER LEVEL *E.S.* *P.C.*

BORING FROM

DESCRIPTION

SAMPLE

ft. ins. ft. ins.

DEPTH No.

<i>1/4</i>	<i>10'</i>	<i>Brown mottled sand. clay. with gravel</i>	<i>2' 6"</i>	<i>1</i>
<i>1/4</i>	<i>10' 20' 0"</i>	<i>Red and. light blue mottled clay</i>	<i>5' 6"</i>	<i>2</i>
<i>"</i>	<i>"</i>	<i>Resting sub. clay</i>	<i>10' 6"</i>	<i>3</i>
<i>"</i>	<i>"</i>	<i>"</i>	<i>12' 6"</i>	<i>4</i>
<i>"</i>	<i>"</i>	<i>"</i>	<i>14' 6"</i>	<i>5</i>

REMARKS:

U/D

NO DEPTH BLOWS

226 12' 0" - 13' 6" (1/4)

NO WATER ENCOUNTERED

GROUND WATER DETAILS IN BORING

DEPTH WATER ENCOUNTERED....." B.S.....

STANDING WATER LEVEL:-

DATE	A.M.	P.M.	DATE	A.M.	P.M.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.

RATE OF RECOVERY TEST

DATE.....TIME.....a.m./p.m. DEPTH OF CASING....." B.S.
 DEPTH BOREHOLE OPEN TO....." B.S.
 STANDING WATER LEVEL AT BEGINNING OF TEST..... B.S.
 LEVEL REDUCED TO....." B.S. IN.....mins.

RECOVERY OF LEVEL

TIME	WATER LEVEL
1 min.....	" B.S.
2 mins.....	" B.S.
4 mins.....	" B.S.
6 mins.....	" B.S.
8 mins.....	" B.S.
10 mins.....	" B.S.
15 mins.....	" B.S.
20 mins.....	" B.S.
30 mins.....	" B.S.

TIME	WATER LEVEL
40 mins.....	" B.S.
60 mins.....	" B.S.
1½ hrs.....	" B.S.
2 hrs.....	" B.S.
2½ hrs.....	" B.S.
3 hrs.....	" B.S.
4 hrs.....	" B.S.
5 hrs.....	" B.S.

STATE OF TIME AT END OF TEST (If applicable) :-

WEATHER CONDITIONS AT TIME OF TEST:-

WATER SAMPLES

No..... Depth....." B.S.
 No..... Depth....." B.S.

No..... Depth....." B.S.
 No..... Depth....." B.S.

REMARKS

Forman: *A. A. Institute*

TEL. 2352Y 4925

CONTINUED 517162 717162

GROUND LEVEL 115.34' AOD.

7740000 1.000000 0.10 7.00

MARKS: K/D
110
227 20'0" - 216' (171)

Only water encountered ground surface at 5' 6"

GROUP TEST DATA IN PORTUL

DATE TEST PERFORMED....." B.S.....

STANDING WATER LEVEL:-

DATE	A.M.	P.M.	DATE	A.M.	P.M.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.

DATE OF RECOVERY TEST

TIME.....A.M./P.M.⁴ DEPTH OF CLIPPING....." B.S.
 DEPTH BORING: 0-10 TO....." B.S.
 STANDING WATER LEVEL AT RECEIVING OF TEST..... B.S.
 LEVEL BORING NO....." B.S. IN.....mins.

RECOVERY LEVEL

TIME	WATER LEVEL
1 min.....	" B.S.
2 mins.....	" B.S.
4 mins.....	" B.S.
6 mins.....	" B.S.
8 mins.....	" B.S.
10 mins.....	" B.S.
15 mins.....	" B.S.
20 mins.....	" B.S.
30 mins.....	" B.S.

TIME	WATER LEVEL
40 mins.....	" B.S.
60 mins.....	" B.S.
1½ hrs.....	" B.S.
2 hrs.....	" B.S.
2½ hrs.....	" B.S.
3 hrs.....	" B.S.
4 hrs.....	" B.S.
5 hrs.....	" B.S.

STATE OF THE SURFACE OF TEST (If applicable) :-

TESTING CONDITIONS AND TIME OF TEST:-

WATER SAMPLES

No..... Depth....." B.S.
 No..... Depth....." B.S.

No..... Depth....." B.S.
 No..... Depth....." B.S.

REMARKS

GROUND WATER DETAILS IN BOREHOLE

DEPTH WATER ENCOUNTERED.....*N/A*.....'....." B.S.....

STANDING WATER LEVEL:- *N/A*

<u>DATE</u>	<u>A.M.</u>	<u>P.M.</u>	<u>DATE</u>	<u>A.M.</u>	<u>P.M.</u>
/ /196	' " B.S.	' " B.S.	/ /196	' " B.S.	' " B.S.
/ /196	' " B.S.	' " B.S.	/ /196	' " B.S.	' " B.S.
/ /196	' " B.S.	' " B.S.	/ /196	' " B.S.	' " B.S.
/ /196	' " B.S.	' " B.S.	/ /196	' " B.S.	' " B.S.

RATE OF RECOVERY TEST

DATE.....TIME.....a.m./p.m.⁴ DEPTH OF CASTING.....'....." B.S.

DEPTH BOREHOLE OPEN TO.....'....." B.S.

STANDING WATER LEVEL AT BEGINNING OF TEST.....B.S.

LEVEL REDUCED TO.....'....." B.S. IN.....mins.

RECOVERY OF LEVEL

<u>TIME</u>	<u>WATER LEVEL</u>
1 min.....	'....." B.S.
2 mins.....	'....." B.S.
4 mins.....	'....." B.S.
6 mins.....	'....." B.S.
8 mins.....	'....." B.S.
10 mins.....	'....." B.S.
15 mins.....	'....." B.S.
20 mins.....	'....." B.S.
30 mins.....	'....." B.S.

<u>TIME</u>	<u>WATER LEVEL</u>
40 mins.....	'....." B.S.
60 mins.....	'....." B.S.
1½ hrs.....	'....." B.S.
2 hrs.....	'....." B.S.
2½ hrs.....	'....." B.S.
3 hrs.....	'....." B.S.
4 hrs.....	'....." B.S.
5 hrs.....	'....." B.S.

STATE OF TIDE AT TIME OF TEST (If applicable) :-

WEATHER CONDITIONS AT TIME OF TEST:-

WATER SAMPLES

No..... Depth.....'....." B.S.

No..... Depth.....'....." B.S.

No..... Depth.....'....." B.S.

No..... Depth.....'....." B.S.

REMARKS

Foreman. *D. J. [Signature]*.....

TEL. MAY 1925

CALCULATED 32.61' ACD

[illegible]

DOLING, PROCI

DESCRIPTION

S. 374.2

rt. ind. rt. ind.

DETH No.

From Dr. E. Brown and Mrs. Sarah A. Brown. \$ 6.00

6. 5. 8. 6. Brown and blue enamel. scapula. Slip coat. 5. 8. 1.

8' 6" 15' 6" Blue-grey. brownish above. 11' 0" 3'

13. 6. 14. 3. Blue. sub. v. v. v. v. v. v. 14. 6. 4.

16' 3' 24" 9" Bed. with blue. small. clay. Bedding. Bed 17 6' 5'

26. 6. 6

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4. D

REF DEATH SHOWS

221 246-260 (73)

GROUND WATER DETAILS IN BORINGS

DEPTH WATER ENCOUNTERED.....'....." B.S.....

STANDING WATER LEVEL:-

<u>DATE</u>	<u>A.M.</u>	<u>P.M.</u>	<u>DATE</u>	<u>A.M.</u>	<u>P.M.</u>
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.

DATA OF RECOVERY TEST

TIME.....'.....a.m./p.m. DEPTH OF CLOSING.....'....." B.S.
 DEPTH BORING OPEN TO.....'....." B.S.
 STANDING WATER LEVEL AT BEGINNING OF TEST..... B.S.
 LEVEL REDUCED TO.....'....." B.S. IN.....mins.

RECOVERY OF LEVEL

<u>TIME</u>	<u>WATER LEVEL</u>	<u>TIME</u>	<u>WATER LEVEL</u>
1 min.....	" B.S.	40 mins.....	" B.S.
2 mins.....	" B.S.	60 mins.....	" B.S.
4 mins.....	" B.S.	1½ hrs.....	" B.S.
6 mins.....	" B.S.	2 hrs.....	" B.S.
8 mins.....	" B.S.	2½ hrs.....	" B.S.
10 mins.....	" B.S.	3 hrs.....	" B.S.
15 mins.....	" B.S.	4 hrs.....	" B.S.
20 mins.....	" B.S.	5 hrs.....	" B.S.
30 mins.....	" B.S.		

STATE OF TEST AT END OF TEST (If applicable) :-

WATER CONDITIONS AT END OF TEST:-

WATER SAMPLES

No.....	Depth.....'....." B.S.	No.....	Depth.....'....." B.S.
No.....	Depth.....'....." B.S.	No.....	Depth.....'....." B.S.

REMARKS

Foreman.....*J. A. J. J. J.*.....

TEL. AREA 4925

LONDON, 8.11.14

QUART OF BOARDING NO. 12 IN MAINT

CO. DATED 18/7/62 FINISHED 20/7/62

GROUND LEVEL..... 105.54' ACD.

WAGON LIGHT N/A B.B. D.F.

BORING FROM		DESCRIPTION	SAMPLED	
ft. ins.	ft. ins.		JAAS	DEPTH No.
NIL	1' 6"	Light Brown colored sandy clay & gravel	1' 0"	1
1' 6"	4' 6"	Sand	3' 0"	2
4' 6"	5' 6"	Sandstone with fossils	5' 0"	3
5' 6"	8' 6"	Light Brown colored clay with fossils	7' 6"	4
8' 6"	25' 0"	Redding Bed clay	10' 0"	5
			15' 0"	6
			20' 0"	7
			22' 6"	8
			25' 0"	9

SHARES:

U/H BLOND NO
160-176 92 217

Foreign.

GROUND WATER DETAILS IN BOREHOLE

DEPTH WATER ENCOUNTERED.....'....." B.S.....

STANDING WATER LEVEL:-

<u>DATE</u>	<u>A.M.</u>	<u>P.M.</u>	<u>DATE</u>	<u>A.M.</u>	<u>P.M.</u>
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.
/ /196	" B.S.	" B.S.	/ /196	" B.S.	" B.S.

RATE OF RECOVERY TEST

DATE.....TIME.....a.m./p.m.⁺ DEPTH OF CASTING.....'....." B.S.
DEPTH BOREHOLE OPEN TO.....'....." B.S.
STANDING WATER LEVEL AT BEGINNING OF TEST..... B.S.
LEVEL REDUCED TO.....'....." B.S. IN.....mins.

RECOVERY OF LEVEL

<u>TIME</u>	<u>WATER LEVEL</u>
1 min.....	" B.S.
2 mins.....	" B.S.
4 mins.....	" B.S.
6 mins.....	" B.S.
8 mins.....	" B.S.
10 mins.....	" B.S.
15 mins.....	" B.S.
20 mins.....	" B.S.
30 mins.....	" B.S.

<u>TIME</u>	<u>WATER LEVEL</u>
40 mins.....	" B.S.
60 mins.....	" B.S.
1½ hrs.....	" B.S.
2 hrs.....	" B.S.
2½ hrs.....	" B.S.
3 hrs.....	" B.S.
4 hrs.....	" B.S.
5 hrs.....	" B.S.

STATE OF FLOOD AT TIME OF TEST (If applicable) :-

WEATHER CONDITIONS AT TIME OF TEST:-

WATER SAMPLES

No.....	Depth.....'....." B.S.	No.....	Depth.....'....." B.S.
No.....	Depth.....'....." B.S.	No.....	Depth.....'....." B.S.

REMARKS

Foreman.....*D. J. G. L.*.....

HART & SPENCE CO.,
 23. VICTORIA ST.,
 LONDON, E.C. 1.

TEL. ABBEY 6925

CHART OF SOLUBILITY NO. 11

COLLECTED 12/1/10

GROUND LEVEL 114 91' 600

WATER LEVEL 100

BOILING POINT

ft. ins. ft. ins.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.

GROUP WATER DEMANDS IN POTABLE

DATE TIME LOCATION....." B.S.....

STANDING WATER LEVEL

| <u>DATE</u> | <u>A.M.</u> | <u>P.M.</u> | <u>DATE</u> | <u>A.M.</u> | <u>P.M.</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|
| / /196 | " B.S. | " B.S. | / /196 | " B.S. | " B.S. |
| / /196 | " B.S. | " B.S. | / /196 | " B.S. | " B.S. |
| / /196 | " B.S. | " B.S. | / /196 | " B.S. | " B.S. |
| / /196 | " B.S. | " B.S. | / /196 | " B.S. | " B.S. |

RATE OF RECOVERY TEST

DATE.....TIME.....LOCATION....." B.S.....

DEPTH BORING OWN TO....." B.S.

STATION WHERE MADE AT REPAIRING OF TEST..... B.S.

LEVEL LEAKS TO....." B.S. IN.....mins.

RECOVERY LEVEL

| <u>TIME</u> | <u>WATER LEVEL</u> | <u>TIME</u> | <u>WATER LEVEL</u> |
|--------------|--------------------|----------------|--------------------|
| 1 min..... | " B.S. | 40 mins..... | " B.S. |
| 2 mins..... | " B.S. | 60 mins..... | " B.S. |
| 4 mins..... | " B.S. | 1 1/2 hrs..... | " B.S. |
| 6 mins..... | " B.S. | 2 hrs..... | " B.S. |
| 8 mins..... | " B.S. | 3 1/2 hrs..... | " B.S. |
| 10 mins..... | " B.S. | 3 hrs..... | " B.S. |
| 15 mins..... | " B.S. | 4 hrs..... | " B.S. |
| 20 mins..... | " B.S. | 5 hrs..... | " B.S. |
| 30 mins..... | " B.S. | | |

STATE OF WATER AT REPAIRING OF TEST (If applicable) :-

WATER DEMANDS AT REPAIRING OF TEST

WATER DEMAND

| | | | | | |
|---------|------------|--------|---------|------------|--------|
| No..... | Depth..... | " B.S. | No..... | Depth..... | " B.S. |
| No..... | Depth..... | " B.S. | No..... | Depth..... | " B.S. |

REMARKS

PLANNING & DESIGN INC.,
26 VICTORIA STREET,
LONDON, S.W.1.

TEL. ARMY 8925

PLAN OF BORING NO. 13 AT HAVANT

COMPLETED 22/7/62 BY 23/7/62

GROUND LEVEL 107.46' AOD

WATER LEVEL 107.46' AOD

BORING FROM

DESCRIPTION

SAMPLE

ft. ins. ft. ins.

DEPTH No.

0.0 7.6 LIGHT BROWN MOTTLED CLAY

5.0 1

7.6 25.0 READING BED CLAY

10.0 2

15.0 3

20.0 4

21.6 5

23.2 6

REMARKS:

4/4
200 21.6

310VS

76

NO

85

GROUND WATER DETAILS IN BORING

DEPTH WATER ENCOUNTERED... *N/A* " B.S.

STANDING WATER LEVEL:- *N/A*

| DATE | A.M. | P.M. | DATE | A.M. | P.M. |
|--------|--------|--------|--------|--------|--------|
| / /196 | " B.S. | " B.S. | / /196 | " B.S. | " B.S. |
| / /196 | " B.S. | " B.S. | / /196 | " B.S. | " B.S. |
| / /196 | " B.S. | " B.S. | / /196 | " B.S. | " B.S. |
| / /196 | " B.S. | " B.S. | / /196 | " B.S. | " B.S. |

RATE OF RECOVERY TEST

D'TE.....TIME.....a.m./p.m.+ DEPTH OF CASTING....." B.S.
 DEPTH BORING OPEN TO....." B.S.
 STANDING WATER LEVEL AT BEGINNING OF TEST..... B.S.
 LEVEL REDUCED TO....." B.S. IN.....mins.

RECOVERY OF LEVEL

| TIME | WATER LEVEL | TIME | WATER LEVEL |
|--------------|-------------|--------------|-------------|
| 1 min..... | " B.S. | 40 mins..... | " B.S. |
| 2 mins..... | " B.S. | 60 mins..... | " B.S. |
| 4 mins..... | " B.S. | 1½ hrs..... | " B.S. |
| 6 mins..... | " B.S. | 2 hrs..... | " B.S. |
| 8 mins..... | " B.S. | 2½ hrs..... | " B.S. |
| 10 mins..... | " B.S. | 3 hrs..... | " B.S. |
| 15 mins..... | " B.S. | 4 hrs..... | " B.S. |
| 20 mins..... | " B.S. | 5 hrs..... | " B.S. |
| 30 mins..... | " B.S. | | |

STATE OF TIDE AT TIME OF TEST (If applicable) :-

WEATHER CONDITIONS AT TIME OF TEST:-

WATER SAMPLES

| | |
|--------------------------|--------------------------|
| No..... Depth....." B.S. | No..... Depth....." B.S. |
| No..... Depth....." B.S. | No..... Depth....." B.S. |

REMARKS

Foreman

SULLIVAN 5872

PHOTOGRAPH SUPPLIES CO.
36 FIFTH AVENUE
NEW YORK, N.Y.

| | | | |
|-----------------------|-------------|----------|---------|
| CHART OF BOREHOLE NO. | 19 | AT | HAUANT |
| COMMENCED | 25/7/62 | FINISHED | 27/7/62 |
| GROUND LEVEL | 98.29' ACD. | | |
| WATER LEVEL | H.L. | A.M. | P.M. |
| BORING FROM | DESCRIPTION | | SAMPLE |

[illegible]

RESULTS

| U/P | BLONS | NO |
|---------|-------|----|
| 160-170 | 69 | 85 |

TESTING WATER PENETRATION IN SOILS

DRAIN WATER MEASURED.....*N/A*....." B.S.....

STANDING WATER IN SOIL.....*N/A*.....

| <u>DATE</u> | <u>A.M.</u> | <u>P.M.</u> | <u>DATE</u> | <u>A.M.</u> | <u>P.M.</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|
| / /196 | " B.S. | " B.S. | / /196 | " B.S. | " B.S. |
| / /196 | " B.S. | " B.S. | / /196 | " B.S. | " B.S. |
| / /196 | " B.S. | " B.S. | / /196 | " B.S. | " B.S. |
| / /196 | " B.S. | " B.S. | / /196 | " B.S. | " B.S. |

RATE OF RECOVERY TEST

" T.....TIME.....a.m./p.m. DEPTH OF CUTTING....." B.S.
 DEPTH BOREHOLE CUT TO....." B.S.
 STANDING WATER LEVEL AT BEGINNING OF TEST..... B.S.
 LEVEL RECOVERED TO....." B.S. IN.....mins.

RECOVERY OF LEVEL

| <u>TIME</u> | <u>WATER LEVEL</u> |
|--------------|--------------------|
| 1 min..... | " B.S. |
| 2 mins..... | " B.S. |
| 4 mins..... | " B.S. |
| 6 mins..... | " B.S. |
| 8 mins..... | " B.S. |
| 10 mins..... | " B.S. |
| 15 mins..... | " B.S. |
| 20 mins..... | " B.S. |
| 30 mins..... | " B.S. |

| <u>TIME</u> | <u>WATER LEVEL</u> |
|--------------|--------------------|
| 40 mins..... | " B.S. |
| 60 mins..... | " B.S. |
| 1½ hrs..... | " B.S. |
| 2 hrs..... | " B.S. |
| 2½ hrs..... | " B.S. |
| 3 hrs..... | " B.S. |
| 4 hrs..... | " B.S. |
| 5 hrs..... | " B.S. |

STATE OF SOIL AT TIME OF TEST (If applicable) :-

WATER CONDITIONS AT TIME OF TEST:-

WATER SAMPLES

No..... Depth....." B.S.
 No..... Depth....." B.S.

No..... Depth....." B.S.
 No..... Depth....." B.S.

REMARKS

Foreman.....*D. J. [Signature]*.....

8ML/IVAR 5872

$$= \frac{1}{2} \left(\frac{1}{2} \right)^{n-1} = \frac{1}{2^n}.$$
$$4.1 \times 10^{-4} \text{ g cm}^{-2} \text{ s}^{-1} \text{ K}^{-1}$$

COMMENCED 27/7/62 FINISHED

GROUND LEVEL 96.32' ACD.

WATER LEVEL N.H. A.M. P.M.

| BOARDING FROM | DESCRIPTION | SAMPLE |
|---------------|-------------|--------|
| | | |

ft. ins. ft. ins.

| | | | | |
|------|------|--------------------------------|------|---|
| 1514 | 5'0" | LIGHT BROWN NOTILED SANDY CLAY | 2'6" | 1 |
|------|------|--------------------------------|------|---|

| | | | | |
|------|------|----------------------------------|------|---|
| 5'0" | 6'0" | LIGHT SANDY CLAY & POAT CONTENTS | 6'0" | 2 |
|------|------|----------------------------------|------|---|

| | | | | |
|----|------|---------------------------|------|---|
| 66 | 8'0" | LIGHT BROWN HOTTERED CLAY | 7'0" | 3 |
|----|------|---------------------------|------|---|

| | | | | |
|------|------|-----------------------------------|------|----|
| 8'0" | 9'0" | BEND CLAY WITH TRACES OF RED CLAY | 8'6" | 14 |
|------|------|-----------------------------------|------|----|

| | | | | |
|------|------|------------------|-------|----|
| 8.00 | 9.00 | Bedding Red Clay | 10'0" | 3" |
|------|------|------------------|-------|----|

[illegible][illegible]

20'0" 8

23' 0" 9

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|-----|-----|
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EXMAN-01: 17.0" - 19.1" 83 2.25

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DATE OF SURVEY 11/11/1916 TIME 10.30 A.M.

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| DATE | TIME | WIND | WAVE | SEA | WIND | WAVE | SEA |
|--------|------|--------|--------|--------|--------|--------|--------|
| 1/1916 | | " S.S. | " S.S. | 1/1916 | " S.S. | " S.S. | " S.S. |
| 1/1916 | | " S.S. | " S.S. | 1/1916 | " S.S. | " S.S. | " S.S. |
| 1/1916 | | " S.S. | " S.S. | 1/1916 | " S.S. | " S.S. | " S.S. |
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REMARKS

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REMARKS

TIME
 1 min.
 2 min.
 4 min.
 6 min.
 8 min.
 10 min.
 15 min.
 20 min.
 30 min.

TIME
 40 min.
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STATE OF SEA AT END OF TIME (If applicable) :-

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No.
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Foreman. E. J. J.