Reg. In London No. 2472687 VAT Reg. No.732 4887 15

SUB SURFACE NORTH EAST LTD
GEOTECHNICAL & GEOENVIRONMENTAL
SITE INVESTIGATION SPECIALISTS
AND CONSULTANTS

Reg. Office
3 Peel Street
Preston
PR2 2QS
Telephone: 01772 561135

RCM Business Centre
DEWSBURY ROAD
OSSETT
WEST YORKSHIRE
Tel: 01924 278181
Fax: 01924 283455
email:dsimpson@subsurface.co.uk
www.subsurface.co.uk

21st December 2018

Ward Associates (Consulting Engineers) Ltd
Cyclops House
Link Business Park
York
YO10 3JB

For the attention of Mr G Beaven

Dear Sirs,

RE: THE BIRDS HOUSE, SPALDING – SOAKAWAY SITE READINGS

Please find enclosed a copy of the site data records in respect of the soakaway tests requested for the above site at The Birds PH, Spalding.

The soakaway readings detail that there is no calculable permeability/soakaway value, with hardly any measurable movement in the soaking of the water over a four-hour period.

The findings will be included with the main interpretative report following completion of the remaining site work and laboratory testing.

Regards

D Simpson
For Sub Surface North East Ltd

Directors:
C.A. MARSDEN, B.Sc.(Hons.), C.Eng., M.I.C.E.
D.G. SIMPSON, BSc.(Hons), F.G.S.

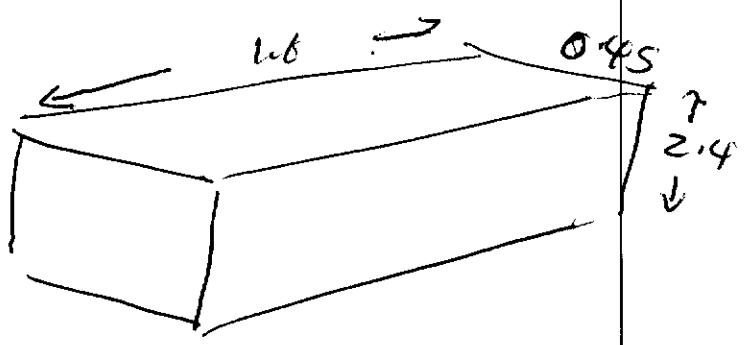
D.E. MARSDEN, Secretary

SUB SURFACE NORTH EAST LIMITED
SOAKAWAY SITE TEST SHEETS.

DIGEST 365 (1991) :Trial Pit
DIGEST 151 (1973) :150mmØ
BS 6297 (1983) : 300mm²
Falling head test in borehole:
Rising head test in borehole:

DATE : 18-12-18
SITE : BIRDS ITS LTD SPROTBROUGH
JOB No: NE3769A.
TEST No: TP3
Weather: Showers

SKETCH DIMENSIONS / STRATA



TIME (mins) Start: 9.32am	Start level : x = Drop in level in mm	TIME (mins) Start:	Start Level: x = Drop in level in mm	
0	0.88	0		
0.5	0.88	0.5		
1	0.88	1		
2	0.88	2		
4	0.88	4		
6	0.88	6		
8	0.88	8		
10	0.89	10		
15	0.89	15		
20	0.89	20		
25	0.89	25		
30	0.89	30		
45	0.90	45		
60 (1hr)	0.90	60		
75	0.90	75		
90 (1.5hr)	0.90	90		
105	0.90	105		
120 (2hr)	0.90	120		
150	0.895	150		
180	0.895	180		
210 (3.5hr)	0.895	210		
240 (4hr)	0.895	240		

STRATA

GL - 0.05m M.C. Macadam

0.05 - 0.25m M.C. light brown subangular gravel and fine sand

0.25 - 0.4 M.C. Brown clay and subangular and angular gravel.

0.4 - 0.9 Soft grey sandy CLAY

0.9 - 1.6 very soft grey clayey SILT

1.6 - 2.4 very soft brown clayey SILT.

Period collapse of pit walls.

No groundwater entry.

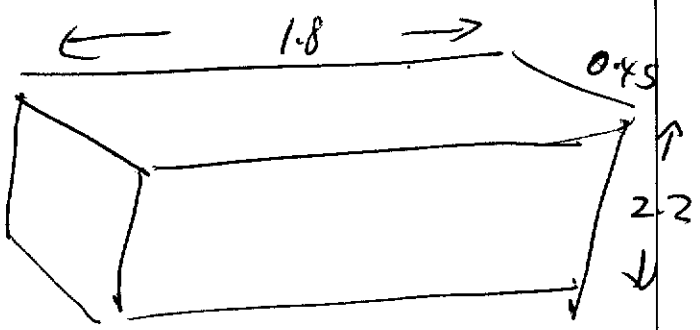
Sub Surface North East Limited
AHED House/RC Marsdens Business Centre,
Dewsbury Road, Ossett
Wakefield WF5 9ND.
Tel: 01924 278181
Fax: 01924 283455

SUB SURFACE NORTH EAST LIMITED
SOAKAWAY SITE TEST SHEETS.

DIGEST 365 (1991) :Trial Pit
DIGEST 151 ~~(1973) :150mmØ~~
BS 6297 (1983) : 300mm²
Falling head test in borehole:
Rising head test in borehole:

DATE : 18-12-18
SITE : BNS Nse Soakaway
JOB No: NE3769A
TEST No: TP4
Weather: Snowery

SKETCH DIMENSIONS / STRATA



TIME (mins) Start: 10:06	Start level : x = Drop in level in mm	TIME (mins) Start:	Start Level: x = Drop in level in mm	
0	0.90	0		
0.5	0.90	0.5		
1	0.90	1	GL – 0.1m ME. Grass over	
2	0.90	2	paving flags.	
4	0.90	4	0.1 – 0.4m Dark brown Cl/Si/Sa/Sand	
6	0.90	6		
8	0.90	8	0.4 – 2.2m Soft Locally very soft-	
10	0.90	10	light brown silty Clay	
15	0.89	15		
20	0.89	20	N.S	20 l/m² @ 0.9
25	0.89	25		15 " @ 0.7
30	0.89	30		30 " @ 1.0m
45	0.89	45		26 " @ 1.6m
60 (1hr)	0.89	60		
75	0.89	75		
90 (1.5hr)	0.89	90		
105	0.89	105		
120 (2hr)	0.89	120		
150	0.89	150		
180	0.89	180		
210 (3.5hr)	0.89	210		
240 (4hr)	0.89	240		

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