

HYDRACRAT LTD. E108(2)

SITE INVESTIGATION DEPARTMENT
REEMA ROAD :: BELLSHILL

DRILL LOG

No. of Borehole..... 1 Location of Borehole..... Westthorn Park - Glasgow.

Customer..... Date..... 7 to 10/12/86

Depth Below Ground Level				Details of Strata	
From	To	Thickness	Core Recovery	Description	Dip°
0.00	0.30	0.30		Soil	
0.30	1.00	0.70		Made up ground	
1.00	22.00	21.00		Plastic clay	
22.00	30.80	8.80		Sand and gravel	
30.80	31.00	0.20	0.00	Sandstone	
31.00	32.35	1.35	1.35	Sandstone	
32.35	34.50	2.05	1.90	Mudstone	
34.50	35.30	0.80	0.40	Sandstone	
35.30	36.70	1.40	1.40	Mudstone	
36.70	37.80	1.10	1.10	Sandstone	
37.80	38.00	0.20	0.10	Mudstone	
38.00	40.65	2.65	2.65	Sandstone	
40.65	41.20	0.55	0.55	Mudstone	
41.20	42.70	1.50	1.50	Coal	
42.70	43.20	0.50	0.50	Mudstone	
				Borehole complete	
				33.00 Casing	
				Water 22.00	

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SITE INVESTIGATION DEPARTMENT
REEMA ROAD :: BELLSHILL

DRILL LOG

No. of Borehole.....2..... Location of Borehole.....Westthorn Park - Glasgow.

Customer..... Date.....

Depth Below Ground Level				Details of Strata	
From	To	Thickness	Core Recovery	Description	Dip°
0.00	0.30	0.30		Soil	
0.30	1.50	1.20		Clay fill	
1.50	2.30	0.80		Ash fill	
2.30	22.00	19.70		Plastic clay	
22.00	25.90	3.90		Boulder clay	
25.90	28.20	2.90	1.74	Sandstone blaes ribs broken	
28.80	29.00	0.20		Cavity	
29.00	29.44	0.44		Loose packed waste	
29.44	30.50	1.06	1.06	Fire clay	
				Bore complete	
				Water at 2.30	

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SITE INVESTIGATION DEPARTMENT

REEMA ROAD :: BELLSHILL

DRILL LOG

No. of Borehole..... 3 Location of Borehole..... Westthorn Park - Glasgow.

Customer..... Date.....

Depth Below Ground Level				Details of Strata	
From	To	Thickness	Core Recovery	Description	Dip°
GL	0.70	0.70		Made up ground	
0.70	2.20	1.50		Sandy clay	
2.20	21.00	18.80		Plastic clay	
21.00	26.60	5.60		Boulder clay	
26.60	27.10	0.50		Gravel	
27.10	30.84	3.74	3.74	Sandstone blaes ribs	
30.84	32.74	1.90	1.88	Mudstone	
32.74	32.86	0.12	0.12	Coaly mudstone	
32.86	32.91	0.05	0.05	Mudstone	
32.91	32.94	0.03	0.03	Coaly mudstone	
32.94	33.67	0.73	0.73	Mudstone	
33.67	39.13	5.46	5.41	Sandstone blaes ribs	(X)
39.13	39.46	0.33	0.33	Mudstone	
39.46	40.36	0.90	0.60	Packed waste	
40.36	41.40	1.04	1.04	Sandstone blaes ribs	
				Water from 26.50	
				Bore complete	

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SITE INVESTIGATION DEPARTMENT
REEMA ROAD :: BELLSHILL

DRILL LOG

No. of Borehole..... 4 Location of Borehole..... Westthorn Park - Glasgow.

Customer..... Date... 12. to 13/12/86.....

Depth Below Ground Level				Details of Strata	
From	To	Thickness	Core Recovery	Description	Dip'
0.00	0.30	0.30		Soil	
0.30	1.40	1.10		Sandy clay	
1.40	20.50	19.10		Plastic clay	
20.50	25.50	5.00		Sand	
25.50	29.10	3.60		Boulder clay	
29.10	29.70	0.60	0.60	Coal	
29.70	31.00	1.30	1.20	Mudstone	
31.00	33.70	2.70	2.50	Sandstone, mudstone ribs (H)	
33.70	35.10	1.40	1.40	Sandstone *	
35.10	37.60	2.50	2.50	Mudstone	
37.60	37.65	0.05	0.05	Coal	
37.65	39.05	1.40	1.40	Mudstone	
39.05	44.40	5.35	5.15	Sandstone *	
44.40	44.50	0.10	0.10	Mudstone	
44.50	44.60	0.10	0.10	Coaly mudstone	
44.60	45.60	1.00	1.00	Coal	
45.60	46.10	0.50	0.50	Mudstone	
46.10	47.00	0.90	0.90	Sandstone, mudstone ribs	
				Borehole complete	
				29.00 Casing	

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SITE INVESTIGATION DEPARTMENT
REEMA ROAD :: BELLSHILL

DRILL LOG

No. of Borehole..... 5 Location of Borehole..... Westthorn Park - Glasgow.

Customer..... Date..... 10-11/12/86

Depth Below Ground Level				Details of Strata	
From	To	Thickness	Core Recovery	Description	Dip°
0.00	0.30	0.30		Soil	
0.30	1.50	1.20		Sandy clay soft	
1.50	2.50	1.00		Silty clay	
2.50	22.50	20.00		Plastic clay	
22.50	26.00	3.50		Boulder clay	
26.00	26.10	0.10	0.00	Coal	
26.10	26.20	0.10	0.10	Mudstone	
26.20	26.80	0.60	0.60	Sandstone	
26.80	28.80	2.00	1.70	Mudstone, sandstone ribs	
28.80	31.20	2.40	2.00	Mudstone	
31.20	34.60	3.40	3.40	Sandstone, mudstone ribs (4)	
34.60	37.50	2.90	1.70	Mudstone	
37.50	40.40	2.90	2.90	Sandstone mudstone ribs (4)	
40.40	41.90	1.50	1.50	Sandstone *	
41.90	42.25	0.35	0.35	Mudstone	
42.25	43.30	1.05	0.10	Coal	
43.30	43.60	0.30	0.30	Mudstone	
43.60	45.00	1.40	1.40	Sandstone	
				Borehole complete	
				22.50 Casing	
				Water 26.00	

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SITE INVESTIGATION DEPARTMENT
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DRILL LOG

No. of Borehole.....6..... Location of Borehole.....Westthorn Park - Glasgow.

Customer..... Date.....14 to 18/12/86

Depth Below Ground Level				Details of Strata	
From	To	Thickness	Core Recovery	Description	Dip°
GL	0.30	0.30		Soil	
0.30	2.00	1.70		Sandy clay	
2.00	17.50	15.50		Plastic clay	
17.50	26.00	8.50		Boulder clay	
26.00	27.20	1.20		Gravel clay	
27.20	27.95	0.75	0.45	Mudstone	
27.95	28.00	0.05	0.05	Coal	
28.00	28.20	0.20	0.20	Mudstone	
28.20	28.55	0.35	0.35	Dark mudstone	
28.55	29.20	0.65	0.25	Mudstone	
29.20	29.65	0.45	0.45	Dark mudstone	
29.65	32.15	2.50	2.50	Mudstone, sandstone bands	
32.15	33.20	1.05	1.05	Coal	
33.20	35.20	2.00	2.00	Fire clay	
				Borehole complete	
				22.50 5" casing	
				27.00 4" casing	
				Water 22.00	

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SITE INVESTIGATION DEPARTMENT
REEMA ROAD :: BELLSHILL

DRILL LOG

No. of Borehole.....9..... Location of Borehole.....Westthorn Park + Glasgow.....

Customer..... Date.....16 to 17/12/86.....

Depth Below Ground Level				Details of Strata	
From	To	Thickness	Core Recovery	Description	Dip°
GL	0.30	0.30		Soil	
0.30	2.40	2.10		Sandy clay	
2.40	22.00	19.60		Plastic clay	
22.00	27.00	5.00		Sand	
27.00	32.20	5.20		Boulder clay	
32.20	34.20	2.00	1.50	Mudstone	
34.20	34.50	0.30	0.30	Sandstone	
34.50	35.70	1.20	0.25	Mudstone. Possibly packed waste	
35.70	37.00	1.30	1.30	Mudstone	
37.00	39.20	2.20	2.20	Sandstone *	
39.20	40.75	1.55	1.55	Mudstone	
40.75	40.85	1.10	1.10	Dark mudstone	
40.85	43.30	2.45	2.45	Mudstone	
43.30	44.40	1.10	1.00	Sandstone *	
44.40	47.40	3.00	2.30	Sandstone, mudstone bands (Y)	
47.40	47.80	0.40	0.30	Sandstone *	
47.80	49.20	1.40	0.00	Push in. Packed waste	
49.20	49.25	0.05	0.05	Coal	
49.25	49.50	0.25	0.10	Mudstone	
				Borehole complete	
				27.00 Casing	
				Water 30.00	

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SITE INVESTIGATION DEPARTMENT
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DRILL LOG

No. of Borehole.....10..... Location of Borehole.....Westthorn Park - Glasgow.

Customer..... Date.....18/12/86.....

Depth Below Ground Level				Details of Strata	
From	To	Thickness	Core Recovery	Description	Dip
GL	0.30	0.30		Soil	
0.30	1.80	1.50		Made up ground	
1.80	3.20	1.40		Sandy clay	
3.20	16.50	13.30		Plastic clay	
16.50	30.80	14.30		Sand gravel	
30.80	31.00	0.20	0.00	Mudstone	
31.00	31.30	0.30	0.20	Coaly mudstone	
31.30	33.30	2.00	2.00	Mudstone sandstone bands	
33.30	34.35	1.05	1.05	Coal	
34.35	35.15	0.80	0.80	Fire clay	
35.15	36.20	1.05	1.00	Mudstone	
				Borehole complete	
				30.50 Casing	
				Water 21.00	

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SITE INVESTIGATION DEPARTMENT
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DRILL LOG

No. of Borehole..... 11 Location of Borehole..... Westthorn Park - Glasgow.

Customer..... Date..... 19 to 20/12/86

Depth Below Ground Level				Details of Strata	
From	To	Thickness	Core Recovery	Description	Dip
GL	0.30	0.30		Soil	
0.30	4.00	3.70		Sandy clay	
4.00	16.50	12.50		Plastic clay	
16.50	28.00	11.50		Sand gravel	
28.00	31.80	3.80		Boulder clay	
31.80	32.50	0.70	0.30	Mudstone	
32.50	33.00	0.50	0.50	Dark mudstone	
33.00	34.00	1.00	0.85	Mudstone	
34.00	35.20	1.20	1.00	Mudstone, sandstone ribs	
35.20	36.20	1.00	0.00	Push in packed waste	
36.20	37.00	0.80	0.30	Fire clay	
				Borehole complete	
				32.00 Casing	
				Water 16.50	

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SITE INVESTIGATION DEPARTMENT

REEMA ROAD :: BELLSHILL

DRILL LOG

No. of Borehole.....15.....

Location of Borehole.....Westthorn Park, Glasgow.

Customer.....

Date..... 6-7/1/87

Depth Below Ground Level				Details of Strata	
From	To	Thickness	Core Recovery	Description	Dip°
GL	0.30	0.30		Soil and ash	
0.30	5.20	4.90		Brown clayey sand	
5.20	16.50	11.30		plastic clay	
16.50	25.00	8.50		Silty sand	
25.00	28.30	3.30		Sand and gravel	
28.30	28.50	0.20	0.00	Sandstone } <i>Boulders ?</i>	
28.50	29.10	0.60	0.60	Sandstone } <i>Boulders ?</i>	
29.10	32.23	3.13	2.38	Boulderclay	
32.23	32.45	0.22	0.22	Mudstone	
32.45	32.10	0.15	0.12	Mudstone, black	
32.60	33.21	0.61	0.61	Mudstone with mussels	
33.21	35.21	2.00	2.00	Mudstone	
35.21	35.60	0.35	0.25	Coal	
35.60	36.40	0.80	0.77	Coal	
36.40	38.25	1.85	1.85	Mudstone	
38.25	38.60	0.35	0.26	Sandstone plys	
				Borehole complete	
				Borehole wet	
				1 bag cement & 1 borehole plug used	
				Casing 32.00	

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SITE INVESTIGATION DEPARTMENT

REEMA ROAD :: BELLSHILL

DRILL LOG

No. of Borehole.....16.....

Location of Borehole.....Westthorn Park, Glasgow.....

Customer.....

Date.....7-8/1/87.....

Depth Below Ground Level				Details of Strata	
From	To	Thickness	Core Recovery	Description	Dip°
GL	0.30	0.30		Soil and ash	
0.30.	5.80	5.50		Brown clayey sand	
5.80	17.10	11.30		Plastic clay	
17.10	25.00	7.90		Silty sand	
25.00	27.90	2.90		Sand and gravel	
27.90	28.80	0.90		Boulderclay	
28.80	32.40	3.60		Sand and gravel	
32.40	32.60	0.20	0.00	Mudstone	
32.60	32.90	0.30	0.18	Mudstone	
32.90	33.35	0.45	0.40	Mudstone with mussels	
33.35	34.60	1.25	1.22	Mudstone, sandstone bands	
34.60	35.55	0.95	0.95	Mudstone	
35.55	36.10	0.55	0.33	Possible open waste tightly packed	
36.10	36.60	0.50	0.50	Mudstone	
36.60	38.00	1.40	1.36	Mudstone	
38.00	39.00	1.00	1.00	Sandstone & plys	
				Borehole complete	
				Borehole wet 33.00	
				1 bag cement and 1 plug used	
				Casing 33.00	

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SITE INVESTIGATION DEPARTMENT
REEMA ROAD :: BELLSHILL

DRILL LOG

No. of Borehole.....20..... Location of Borehole.....Westthorn Glasgow.....
Customer..... Date.....

Depth Below Ground Level				Details of Strata	
From	To	Thickness	Core Recovery	Description	Dip°
0.00	0.25	0.25		Soil	
0.25	2.60	2.35		Sandy clay	
2.60	21.20	18.60		Plastic clay	
21.20	26.80	5.60		Sand	
26.80	31.00	4.20		Boulderclay	
31.00	34.28	3.28	3.23	Sandy mudstone	
34.28	35.43	1.15	1.15	Coal	
35.43	36.00	0.57	0.48	Fire clay	
				Borehole complete	
				Water from 31.00	

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SITE INVESTIGATION DEPARTMENT
REEMA ROAD :: BELLSHILL

DRILL LOG

No. of Borehole.....21..... Location of Borehole.....Westthorn Park-Glasgow.....
Customer..... Date.....5/2/87.....

Depth Below Ground Level				Details of Strata	
From	To	Thickness	Core Recovery	Description	Dip°
GL	0.40	0.40		Soil and ash	
0.40	5.00	4.60		Brown sandy clay	
5.00	17.90	12.90		Plastic clay	
17.90	25.20	7.30		Silty sand and gravel	
25.20	31.45	6.25		Sandy boulderclay	
31.45	31.85	0.40	0.40	Mudstone, dark with mussels	
31.85	34.10	2.25	2.25	Mudstone/sandstone bands	
34.10	34.15	0.05		Mudstone	
34.15	35.25	1.10	0.25	Coal	
35.25	37.00	1.75	0.20	Mudstone	
				Borehole complete	
				Bore wet 32.00	
				Casing 32.00	
				1 Plug & 1 bag cement	
				Broken core spring lm run 34.10 to 37.00	

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SITE INVESTIGATION DEPARTMENT
REEMA ROAD :: BELLSHILL

DRILL LOG

No. of Borehole..... 22 Location of Borehole..... Westthorn Park, Glasgow.
Customer..... Date.....

Depth Below Ground Level				Details of Strata	
From	To	Thickness	Core Recovery	Description	Dip°
GL	0.30	0.30		Soil and ash	
0.30	1.60	1.30		Ash (fill)	
1.60	4.80	3.20		Brown sandy clay	
4.80	20.60	15.80		Plastic clay	
20.60	26.20	5.60		Firm sandy boulderclay	
26.20	26.60	0.40	0.00	Mudstone	
26.60	26.88	0.28	0.28	Mudstone, dark	
26.88	29.60	2.72	2.72	Mudstone/ironstone bands	
29.60	30.38	0.78	0.78	Mudstone/ironstone bands	
30.38	31.47	1.09	1.09	Mudstone, dark	
31.47	31.78	0.31	0.31	Mussel band:	
31.78	32.40	0.62	0.48	Mudstone	
32.40	34.65	2.25	2.25	Mudstone	
34.65	35.15	0.50	0.50	Mudstone, dark	
35.15	35.40	0.25	0.20	Mudstone	
35.40	35.65	0.25	0.25	Mudstone	
35.65	36.05	0.40	0.40	Mudstone dark with mussels	
36.05	37.10	1.05	1.00	Mudstone	
37.10	37.36	0.26	0.26	Mudstone	
37.36	37.75	0.39	0.39	Sandstone	
37.75	37.91	0.16	0.16	Mudstone	
37.91	38.28	0.37	0.37	Sandstone	
38.28	38.40	0.12	0.12	Mudstone	
38.40	38.50	0.10	0.10	Sandstone	
38.50	38.61	0.11	0.11	Mudstone	
Borehole continued.					

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SITE INVESTIGATION DEPARTMENT
REEMA ROAD :: BELLSHILL

DRILL LOG

No. of Borehole..... 22 Contd. Location of Borehole..... Westthorn Park - Glasgow

Customer..... Date.....

Depth Below Ground Level				Details of Strata	
From	To	Thickness	Core Recovery	Description	Dip°
38.61	39.50	0.89	0.66	Very tightly packed waste	
39.50	40.10	0.60	0.60	Mudstone	
				Borehole complete	
				Wet 30.00	
				1 borehole plug and 1 bag cement	
				Casing 27.00	

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SITE INVESTIGATION DEPARTMENT
REEMA ROAD :: BELLSHILL

DRILL LOG

No. of Borehole 23 Location of Borehole Westthorn Park - Glasgow

Customer..... Date.....

Depth Below Ground Level				Details of Strata	
From	To	Thickness	Core Recovery	Description	Dip°
GL	0.60	0.60		Soil and ash	
0.60	5.00	4.40		Brown sandy clay	
5.00	19.20	14.20		Plastic clay	
19.20	23.20	4.00		Silty sand	
23.20	28.00	4.80		Firm sandy boulderclay	
28.00	30.00	2.00	0.00	Mudstone	
30.00	31.15	1.15	1.15	Mudstone	
31.15	32.17	1.02	1.02	Sandstone	
32.17	32.24	0.07	0.07	Mudstone	
32.24	33.36	1.12	0.66	Tightly packed waste	
33.36	34.86	1.50	1.50	Mudstone	
34.86	35.80	0.94	0.93	Sandstone	
				Borehole complete	
				Wet 30.00	
				1 plug and 1 bag cement used	
				Casing 28.00.	

HYDRACRAT LTD. E108(2)

SITE INVESTIGATION DEPARTMENT

REEMA ROAD :: BELLSHILL

DRILL LOG

No. of Borehole..... 24

Location of Borehole..... Westthorn Park - Glasgow

Customer.....

Date.....

Depth Below Ground Level				Details of Strata	
From	To	Thickness	Core Recovery	Description	Dip°
0.00	0.40	0.40		Soil and ash	
0.40	5.40	5.00		Brown sandy clay	
5.40	19.60	14.20		Plastic clay	
19.60	27.10	7.50		Boulderclay	
27.10	28.00	0.90	0.00	Mudstone	
28.00	28.07	0.07	0.07	Sandstone	
28.07	29.82	1.75	1.75	Mudstone	
29.82	30.32	0.50	0.50	Dark mudstone	
30.32	31.18	0.86	0.23	Mudstone	
31.18	31.60	0.42	0.42	Mudstone and mussels	
31.60	33.80	2.20	1.88	Mudstone/sandstone plys	
33.80	33.86	0.06	0.06	Mudstone	
33.86	33.93	0.07	0.07	Sandstone	
33.93	34.00	0.07	0.07	Mudstone	
34.00	34.80	0.80	0.88	Sandstone	
34.80	35.80	1.00	0.65	Packed waste	
35.80	36.60	0.80	0.60	Mudstone	
				1 Plug, borehole cemented	
				Borehole complete	