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27th September 1978.

The Director,  
Parks Department,  
20 Trongate,  
GLASGOW G1 5PS.

Dear Sir,

Heathorn Park

Reference is made to your letter and enclosures of 8th July 1978, in connection with the proposed running track at the above site.

As it was considered from previous knowledge of mining operations in this district, that the site would almost certainly have been undermined, the National Coal Board were asked to furnish any plans of mining operations in this vicinity.

Examination of the plans of the Ell and Main Coal seams disclosed, that as longwall workings in these seams proceeded northward towards the site, they encountered old unrecorded steep and room workings.

However, as the plans did not indicate the depth at which the workings had been conducted or the thickness of rock cover over them, borings were taken to obtain this information.

Drilling operations were discontinued after only three boreholes had been sunk, as the information from them proved that the site had been undermined at shallow depth in both the Ell and Main Coal seams.

Indeed, the rock bridging the waste (1.3 metres thick) at bore No. 1 was only 0.61 metres of blaes which was not recovered in the coring.

The surface deposits under the site approximately 25 metres thick, consist of plastic clay, silt, silty sand and sand and gravel and therefore should the thin peat of rock overlying the workings collapse, then these deposits would almost certainly flow into them and ground movement as a result thereof would be severe.

Cont'd.



2.

Accordingly, as the above possibility cannot be discounted, this site cannot be recommended for the intended purpose.

Copies of the journals of the boreholes and a plan showing the site positions of the bores are enclosed.

Yours faithfully,

Controller - Engineering Services.

**BORE JOURNAL**

Site Westthorn Park Date Started 3.9.78  
 Date Finished 25.8.78  
 Borehole No. 1 Total Depth 38.55  
 Type of Boring Rotary  
 Water Struck at .....m. GROUND LEVEL : 15.497m O.D.

Strata	Thickness m.	Progressive Depth m.	Recovery m.	Remarks
Soil	0.46	0.46		
Sandy clay.	2.90	3.36		
Plastic clay	2.74	6.10		
Plastic clay.	6.40	12.50		
Silt.	4.57	17.07		
Silty sand.	1.83	18.90		
Silty sand.	5.49	24.39		
Blaes.	0.91	25.30		
WASTE	0.61	25.91		
Waste.	1.30	27.21		
Sandstone.	2.50	29.71	0.84	
Fireclay - <i>worked like Sp. Clay (145)</i>	1.64	31.39	0.91	
Conglomerate <i>4mm - 6mm pebbles</i>	0.30	31.69	0.10	
Sandstone	3.63	35.32	0.15	
Sandstone	0.18	35.50	0.18	
Sandstone	3.05	38.55	3.05	
				Complete

*could be waste of Ill Coal (145)*

## BORE JOURNAL

Site Westthorn Park Date Started 15.8.78  
 Date Finished 7.9.78  
 Borehole No. 2 Total Depth 49.93  
 Type of Boring Rotary  
 Water Struck at 37.25 m. GROUND LEVEL : 13.368 m O.D.

Strata	Thickness m.	Progressive Depth m.	Recovery m.	Remarks
Topsoil	0.50	0.50		
Clay	2.00	2.50		
Elastic clay	4.50	7.00		
Laminated clay, silt band.	9.00	16.00		
Laminated clay, silty sand.	4.00	20.00		
Silty sand.	2.00	22.00		
Silty sand.	1.50	23.50		
Sand and gravel.	0.75	24.25		
Sandy clay	0.61	24.86		
Gravel.	0.76	25.62		
Sandstone.	0.61	26.23		
Sandstone.	0.46	26.69	0.36	
Clay.	0.15	26.84	0.15	
Boulder clay	2.21	29.05		
Blaes.	0.53	29.58		
Fireclay.	0.61	30.19	0.48	
Fakey blaes	1.30	31.49	1.02	
Fakey fireclay	1.22	32.71	0.97	
Blaes	0.30	33.01		
Soft blaes.	1.37	34.38	1.35	
Dark blaes	0.06	34.44	0.06	
Ironstone	0.05	34.49	0.05	
Dark blaes.	1.18	35.67	1.18	
Fakey blaes	1.55	37.22	1.42	
Fakey sandstone.	2.24	39.46	2.24	
Blaes.	0.30	39.76	0.30	
<u>COAL</u> (ELL COAL (1&5))	0.74	40.50	0.74	
<u>COAL</u>	0.74	41.24	0.74	
Fireclay	0.69	41.93	0.69	
Fakey blaes.	0.56	42.49	0.56	
Fakey sandstone	1.52	44.01	1.52	
Fakey sandstone.	1.17	45.18	1.17	

**BORE JOURNAL**

Site Westthorn Park Date Started 15.8.78

Date Finished 7.9.78

Borehole No. 2

Total Depth 49.93

Type of Boring Rotary

Water Struck at 37.25 m.

GROUND LEVEL : 13.368 m o.d.

Strata	Thickness m.	Progressive Depth m.	Recovery m.	Remarks
Br. Fwd:		45.18		
Blaes <i>CANNONWANG MARBLE AT BASE (145.)</i>	2.03	47.21	2.03	
Fakey blaes	1.37	48.58	1.37	
Fakey sandstone.	0.10	48.68	0.10	
Fakey blaes	0.46	49.14	0.46	
Fakey sandstone	0.66	49.80	0.66	
Hard sandstone	0.13	49.93	0.13	
				Complete

**BORE JOURNAL**

Site Westthorn Park

Date Started 5.9.78

Date Finished 14.9.78

Borehole No. 3

Total Depth 44.66

Type of Boring Rotary

Water Struck at ... m. GROUND LEVEL : 17.08 m O.D.

Strata	Thickness m.	Progressive Depth m.	Recovery m.	Remarks
Topsoil	0.75	0.75		
Clay, brick, fill	2.25	3.00		
Clay fill.	1.00	4.00		
id and gravel.	1.50	5.50		
Brown sandy clay.	1.50	7.00		
Laminatd clay, sand bands.	4.00	11.00		
Laminated clay, sand bands.	1.00	12.00		
Silty clay, sand bands.	2.50	14.50		
Silty grey sand.	1.50	16.00		
Silty sand.	2.29	18.29		
Plastic clay	3.97	22.26		
Sand and gravel.	2.44	24.70		
Boulder clay	0.76	25.46		
Sandy clay	1.83	27.29		
Boulder clay	0.46	27.75		
Blaes	1.68	29.43		
es	0.15	29.58		
<u>WASTE</u>	0.97	30.55		
Fakey sandstone.	0.10	30.65		
Blaes	1.52	32.17	1.00	
Ironstone	0.05	32.22	0.05	
Dark blaes	0.20	32.42	0.20	
It blaes	1.27	33.69	1.27	
fakey blaes	1.47	35.16	1.47	
Dark blaes	0.48	35.64	0.48	
Ironstone	0.09	35.73	0.09	
Dark blaes	0.19	35.92	0.19	
Dark blaes	1.07	36.99	1.07	
<u>COAL</u>	0.20	37.19	0.20	
Fakey sandstone.	0.30	37.49	0.30	
Fakey blaes.	1.27	38.76	1.27	
Fakey sandstone.	0.97	39.73	0.97	
Fakey blaes.	0.66	40.39	0.66	

*probably broken rock - not at long where coal has ever been worked.*

**BORE JOURNAL**

Site Westthorn Park... Date Started 5.9.78  
 Date Finished 14.9.78  
 Borehole No. 3 cont'd. Total Depth 44.66  
 Type of Boring Rotary  
 Water Struck at .....m. GROUND LEVEL : 17.08 m O.D.

Strata	Thickness m.	Progressive Depth m.	Recovery m.	Remarks
Br. Fwd:		40.39		
Froken blaes.	1.46	40.35	0.23	ELLth Work 40.30- 41.70 (16.2) 15cm dia.
aes	2.44	43.29	1.98	
Sandstone.	0.09	43.38	0.09	
Blaes	0.27	43.65	0.27	
Fakey sandstone.	0.53	44.18	0.53	
Fakey sandstone.	0.48	44.66	0.48	
				Complete
				Lost air at 29.53 Core tube pushed down from 29.58 to 30.55 without rotation. Widened and tubed bore to 30.65.