

REF: 2002/GL/PC/Shaft/mjs

Leigh Sharpe
Permitting Office
Coal Authority
200 Lichfield Lane
Berry Hill
Mansfield
Nottinghamshire NG18 4RG

10th June 2018

Dear Leigh,

RE: PERMIT CLOSURE, REF 14816 & 14817: GRANGO LANE

On the 18th January 2018, we submitted our permit closure report for the above job.

In the report we recorded a possible shaft, which was based on the drilling of Borehole E10, where 15m of soft drilling was reported. Consequently, a second borehole was drilled some 0.50m away from E10, which recorded the same strata. Both boreholes were topped up with grout following drilling.

The location of the suspected shaft is shown on the attached Figure 2, along with the drillers record for E10. A trial pit excavated nearby is also attached to allow comparisons with the excavation that was undertaken on the 9th June 2018 looking for the shaft.

The excavation was undertaken using a 13T tracked excavator and achieved a depth of 4.40m and was roughly 4m by 4m in plan area. It was excavated under the full-time supervision of a chartered engineering geologist from GroundSolve Ltd, with extensive experience of finding and treating mine shafts.

The excavation was set out using the co-ordinates used for setting out during the initial drilling and grouting. Photographs of the excavation are attached, which failed to record the presence of a shaft, however, the position was confirmed as two adjacent grout columns were observed in the excavation. The excavation encountered similar ground conditions to TP 1 with made ground overlying glacial till, resting on a coal seam and then onto dark grey mudstone, see attached photographs.

We have therefore concluded that there is not a shaft at this location.

Should you have any queries please call Mike Scott on 01244 661361.

Yours sincerely

M J Scott

CC John Hughes Lloyd

Foreman's Daily Journal – Rotary Percussive Drilling

X/C/000/AP19

Forkers Ltd

Civil & General Engineering Contractors

Golds Green House, Shaw Street, West Bromwich, West Midlands B70 0TX

Tel: 0121 505 1010 • Email: admin@forkers.com

Contract:		Contract No:	Date:	Sheet No:	Ground Level (m):
Grango Lane Perciana		FB22	14/12/17	D15	
Drilling Method:		Drilling Equipment / Rig No:	Date Commenced:	Drilling / Casing Diam (mm):	Bit Type: Flush Type:
Rot - Perc.		KLEM B60603		70mm 12mm	BTJ 6mm

Borehole No	Angle of Hole	Strata Thickness (m)		Description of Strata	Depth of Casing (m)	Flush Return (%)	Final Depth Borehole (m)
		From	To				
C10	V	C.	4.0	Cased	4.	100	
		4.0	5.6	Coal.		✓	
		5.6	11.1	M/Stone.		✓	
		11.1	12.3	Coal		✓	
		12.3	13.3	M/Stone.		✓	13.3
E10	V	A	15.0	Soft drilling	4.	NIL	15.

Hours Worked on Site

From	To	Total

Remarks: Standing Time / Weather Conditions / Groundwater etc:

No Gases detected

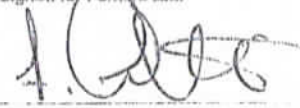
O₂ = 20.7

CO = 0%

CO₂ 0%H₂S 0%

RH4 0%

Signed for Forkers Ltd:



Signed for Client

TRIAL PIT 1

Depth (m)	Strata
0.00 – 0.45	Loose dark grey/black sandy GRAVEL of ash and clinker with a little masonry, brick and lime mortar (MADE GROUND)
0.45 – 2.60	Soft to firm orange/yellow brown mottled light grey CLAY with a little fine to coarse gravel becoming brown and firm to stiff with depth (GLACIAL TILL)
2.60 – 3.70	Very weak becoming weak with depth grey very thinly bedded highly weathered MUDSTONE with a little clay matrix, excavated as a platy grey gravel with a little clay matrix (BEDROCK)
3.70 – 3.90	Weak black COAL

Notes

1. Sides of pit stable.
2. No groundwater seepage encountered.











SJ29463901
Existing Manhole

Suspected Shaft

VC 225 mm

Type A dwelling

Type B dwelling

Type B dwelling

welling

Plot 3

Plot 2

Plot 1

A

2

3

4

5

6

7

8

9

10

11

12

13

33.5

Existing
fencing

9 38 37.

9. 646