

SPECIFICATION

Mineshaft Treatment Adjacent to Proposed Adoptable RoadDesign Philosophy

Further investigations determined the mineshaft position 529 was not in the position as previously recorded in the Mining Reports.

M J Scott a chartered geologist from Groundsolve Ltd was engaged to provide recommendations and remedial measures. A report dated 9 March 2019 concluded that since the position of mineshaft was not directly under the road and is approximately 3.0m from the edge of the road it is unlikely that considering the geology of the surrounding ground any collapse of the mineshaft would affect the roadway.

As a further safety precaution a design was provide by JHL Consultants Ltd,. This provided 2 layers of Tensar Geogrid with the transverse bottom layer anchored in trenches. The design is detailed on drawing 5D/A.

TITLE			SHEET
SPECIFICATION FOR ROADWAYS and ANCILLIARY ITEMS			16 of 20
			REVISION

REF: 2002/GLA/Road/mjs

John Hughes Lloyd
8 Grango Lane
Ponciau
Wrexham LL14 1ER

9th March 2019

Dear John,

RE: GRANGO LANE PONCIAU: ROAD TREATMENT

Regarding your sketch for the road treatment (attached), which we understand is to protect the road from the potential collapse of Mine Shaft 529.

The shaft is shown some 3m from the edge of the road. The shaft has been proven to be in a different position than that indicated by the Coal Authority, and we are convinced that the location is correct, as it has been plotted from the primary source information, which was the 1:500 scale Public Health plans dated 1850.

The rock head in this area has been proven to be at a depth of 3m, with a thin cover of glacial till. Therefore, even should the shaft collapse the collapse feature, assuming a collapse of 45°, which is considered to be conservative, is unlikely to reach the road. In any case, the treatment shown on the attached figure is more than adequate to protect the road in the short term to allow treatment of the collapsed shaft.

We trust this is satisfactory, should you have any queries please call Mike Scott on 01244 661361.

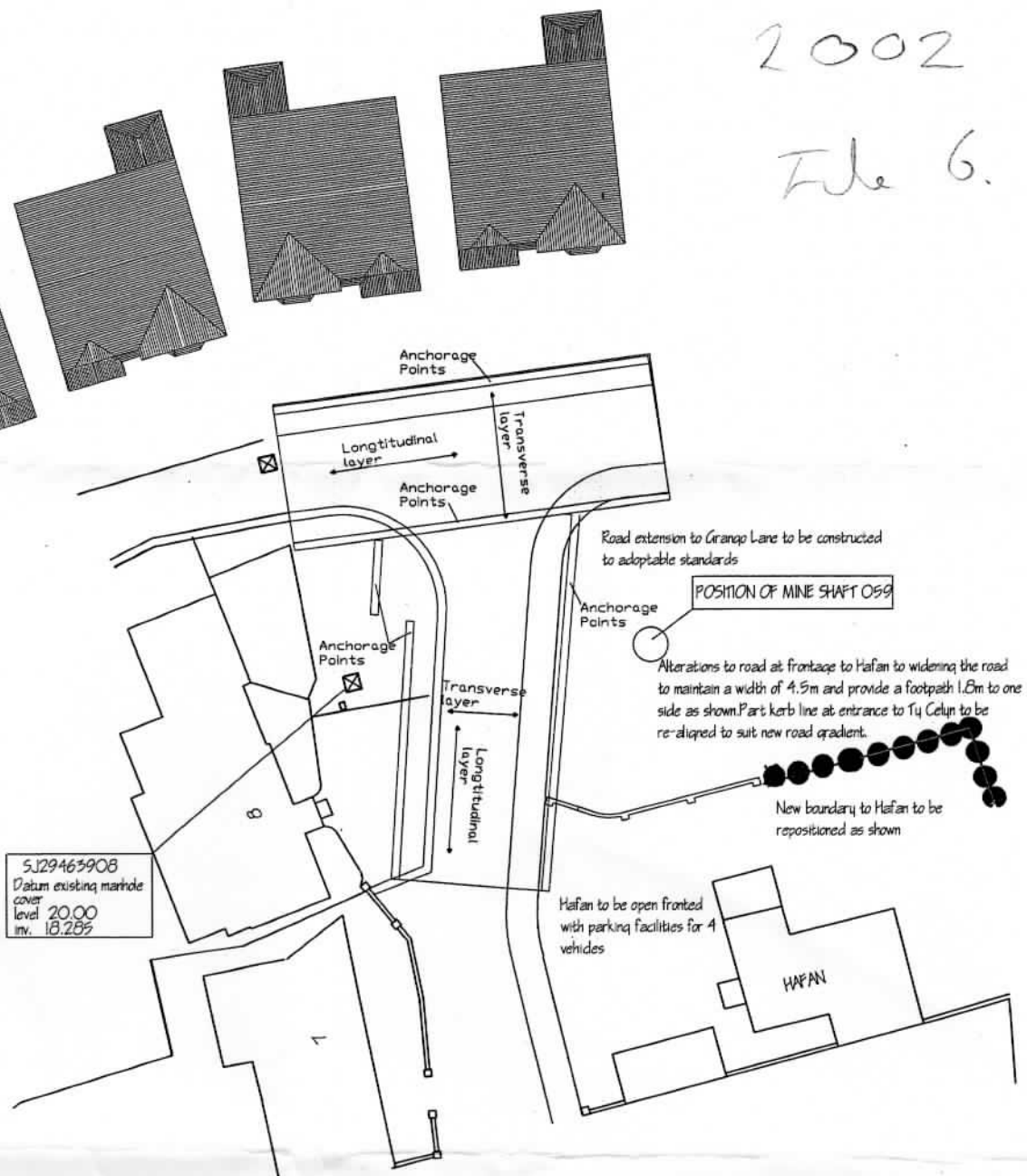
Yours sincerely



M J Scott

2002

File 6.



Plan on Adoptable Road Construction

SCALE 1: 100 @ A4

Figure Title

FIGURE