

Our Ref C2064/21/E/3181  
25<sup>th</sup> of August 2022

South North Group Architecture  
Greengate Business Centre  
2 Greengate Street  
Oldham  
OL4 1FN



**For the attention of Spencer Fretwell,**

Dear Spencer,

**Ref: St Bega's Chapel Site, Cleator Moor – Mine Entry Positional Review**

Following the issue of the phase one desk study and coal mining risk assessment by RGS (report ref C2064/21/E/3181, dated July 2022), the Coal Authority has subsequently issued a consultation response in relation to planning application 4/21/2504/001. The RGS study highlighted that there is a mine entry present within the most southern section of the site. As such, the Coal Authority have outlined that a positional review of the mine entry must be completed to advise of any potential zones of influence. Therefore, plans have been drafted and are attached to this letter. For reference, the following information has been used to create the plans:

**Mine Entry: 301515-002**

Grid Ref: 301056, 515458

Departure: 8m

Assumed Shaft Diameter: 2.5m

Estimated Depth to Rock: 10m

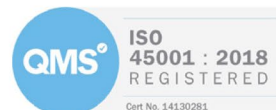
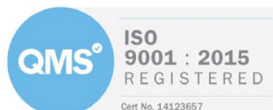
Departure Zone Circles: 8m

Zone of Influence Circles: 10m

The plans would suggest that any zone of influence would be present in public land and outside the boundary of "property 11". In addition to the mine shaft, it is understood that the south of the site also contains an existing sewer and small stream. Therefore, properties were designed to be plotted away from the southern area of the site due to the combination of these features.

In view of the plans, it is likely that the mine shaft, if present, is situated a sufficient distance away from the building belonging to "property 11". Notwithstanding this, the Coal Authority are the final arbiters on such matters. Therefore, this letter and the attached plans should be submitted for reconsultation to reach an agreement that the southernmost property is present a sufficient distance away from the mine entry.

We trust that this information is of interest and should you have any other requirements do not hesitate to contact us.



Environmental  
Geotechnical  
Specialists

**Rogers Geotechnical Services Ltd**  
**Offices 1 & 2 Barncliffe Business Park, Near Bank, Shelley, Huddersfield, HD8 8LU**  
**☎ 01484 604354      Company No. 5130864**

For Rogers Geotechnical Services Ltd,  
Yours Faithfully

**Rob Palmer** MSc, FGS, ACIEH  
Senior Geo-environmental Engineer

Appended

- 1) Proposed SI Works
- 2) Zones of Influence
- 3) Combined Zol – Potential Area
- 4) Combined Zol – Development Area

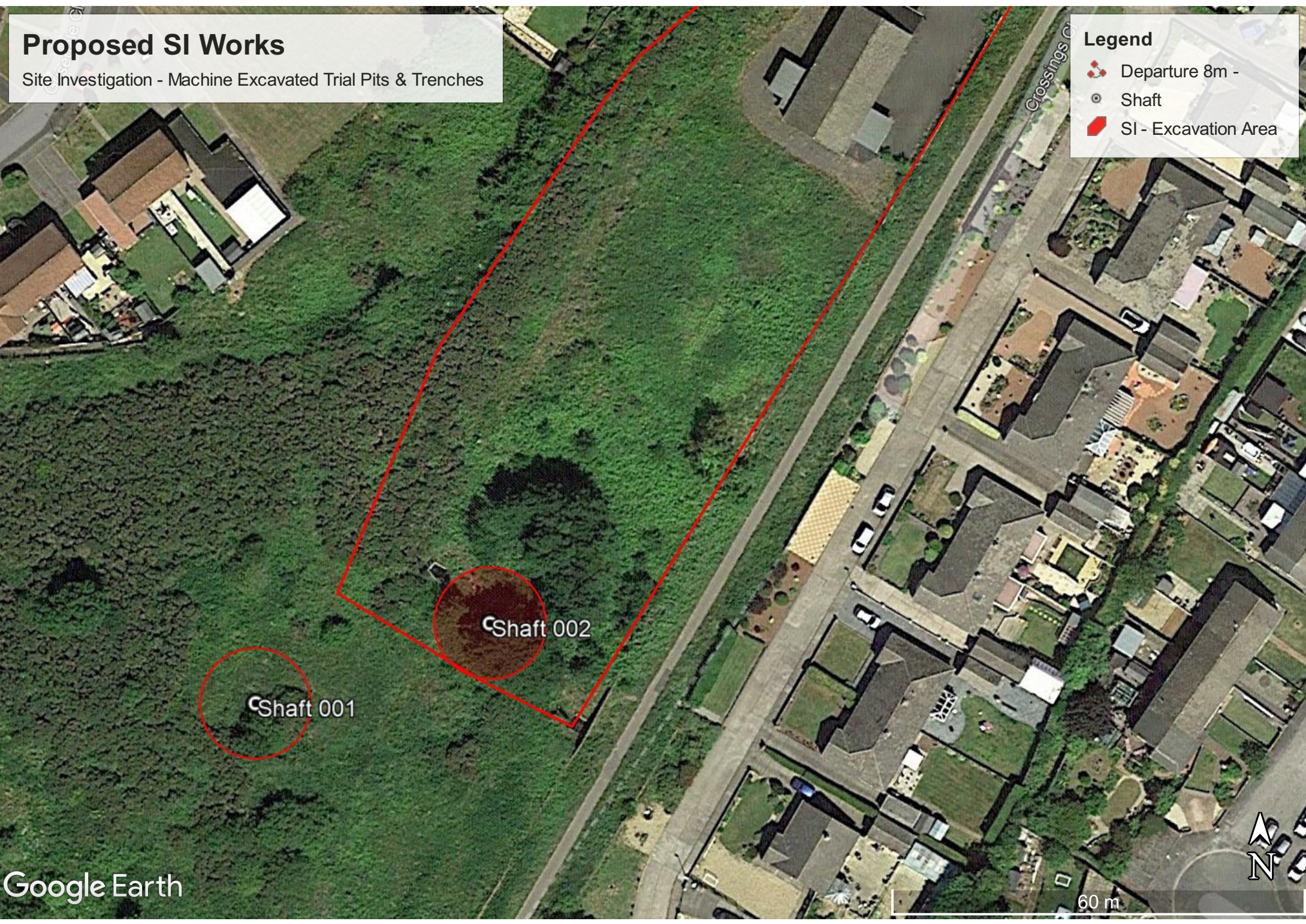


# Proposed SI Works

Site Investigation - Machine Excavated Trial Pits & Trenches

## Legend

- Departure 8m -
- Shaft
- SI - Excavation Area



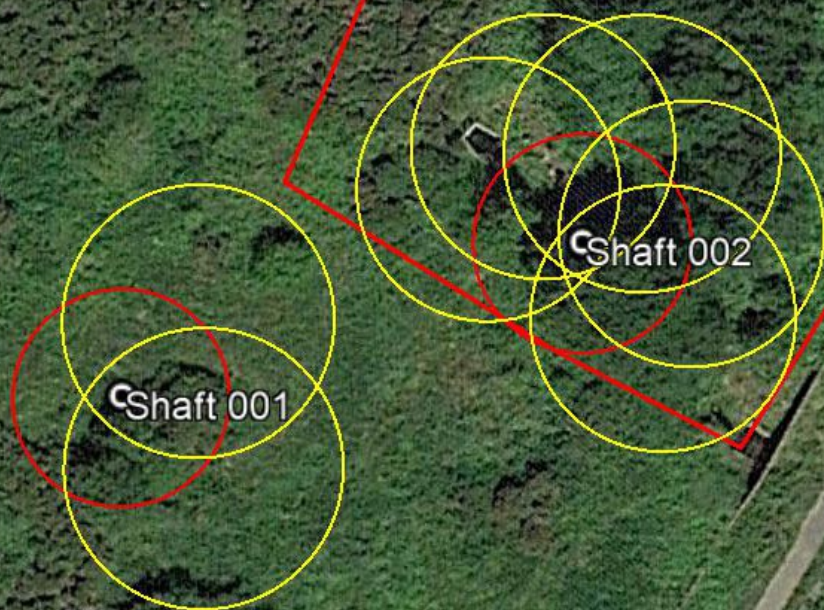


# Zones of Influence

10m zone of influence circles set around 8m departure zone circle

## Legend

- Departure 8m -
- Influence - 10m
- Shaft








## Combined Zol - Potential Area

10m zone of influence circles combined to show what areas could be affected

### Legend

-  Departure 8m - 002
-  Shaft
-  Zol Area - 002

Shaft 001

Shaft 002

Google Earth

50 m





# Combined Zol - Development Area

10m zone of influence with development overlay

## Legend

- Departure 8m - 002
- Shaft
- Zol Area - 002

rev22A

Shaft 002



Google Earth

20 m