



The Coal
Authority

Pre-Construction Information

The Coal Authority

CI-343605 - [REDACTED] Eckington Rd, Coal Aston, S18 3AT

The following document and associated attachments draws together the arrangements for managing the significant health and safety risks associated with the pre-construction phase of a project to enable a suitable and sufficient construction phase plan to be completed.

Description of the Project	
1. Project description including PS&S INFERIS Reference Number and programme including any key dates	<ul style="list-style-type: none"> • Project Ref P-013645 • Claim Refs CI-343605 • Order Ref ORD- • <i>The works comprises of: Probe drilling the ground within the property and to all elevations to establish rock head and record and probable shallow coal mine workings, together with a correlation hole, all as pointed out by Engineer on site. A water supply will be available from inside the property.</i> • <i>The works are programmed to commence in October/November 2015 and are envisaged to be of approximately 1 week duration.</i>
2. Details of Client, Principal Designer, Designers, Principal Contractor and other Consultants including contact number(s)	<ul style="list-style-type: none"> • Client = The Coal Authority (TCA) - She Team [REDACTED] Mobile [REDACTED] • Designer = [REDACTED] (TCA) – [REDACTED] • Contractor = [REDACTED] (Geol Consulting Ltd – [REDACTED]) • Owner – The Coal Authority (TCA) - [REDACTED]
3. Extent and location of existing records and plans that are relevant to health and safety on site, including information about existing structures when appropriate	<p>There are no design drawings for this phase of the works.</p> <p>It is recommended the Principal Contractor visits the site to satisfy themselves as to the nature and use of the immediate environment</p> <p>Details of existing service routes will be provided by TCA.</p>
Client's Considerations and Management Requirements (Delete/add to as appropriate)	
4. Planning for and managing the construction work, including any health and safety goals for the project	<ul style="list-style-type: none"> • <i>Zero accidents</i> • <i>SHE observations</i> • <i>Near misses</i> • <i>Ensuring sub-contractors and others have the necessary health and safety information, instruction, supervision and competence</i> • <i>Ensure that all workers receive a project specific induction prior to starting work</i> • <i>Visitors are escorted while on site</i>
5. Communication and liaison between client and others	<ul style="list-style-type: none"> • <i>Design Review Meeting</i> • <i>Pre-start meeting</i>

	<ul style="list-style-type: none"> • <i>Progress Meeting(s) to be held daily.</i>
6. Security of the site	<ul style="list-style-type: none"> • <i>HERAS fencing x2 clipped/locked gates To the front elevation only. The rear elevation is already fenced off.</i>
7. Welfare provision	<ul style="list-style-type: none"> • <i>Purpose designed vehicle/portable facilities</i>
8. Site transport arrangements or vehicle movement restrictions, boundaries and access, including temporary access - for example narrow streets, lack of parking, turning or storage space	<ul style="list-style-type: none"> • Vehicle access will be off Forresters Lane. • 'Banks man' to supervise vehicle movement. • There is restricted space to the rear and front of the property. Restricted turning space to the rear. • The property is situated near to a corner and parking to the front is not advisable. • Parking across the road in the pub car park may be arranged with the permission of the landlord. • Segregate pedestrians/road users from plant/vehicles • Works to be carried out under the provisions of Chapter 8 (RASWA)
9. Fire/explosion precautions	<ul style="list-style-type: none"> • <i>Fire Plan to include muster point</i> • <i>Fire-fighting equipment</i> • <i>Fire marshal</i> • <i>Fire alarm shouting "FIRE/FIRE/FIRE"</i>
10. First aid/emergency procedures and means of escape	<ul style="list-style-type: none"> • <i>Hospital Route and contact details</i> • <i>First aider</i> • <i>First aid equipment/eye wash</i>
11. "No-go" areas or other authorisation requirements for those involved in the project	N/A
12. Smoking restrictions	<ul style="list-style-type: none"> • <i>No smoking site including work vehicles</i> • <i>No smoking signage</i> • <i>Designated smoking area</i> • <i>Smoking bins (sand buckets)</i>
Environmental Restrictions and Existing on-site Risks (Delete/add to as appropriate)	
13. Any restrictions on working hours or deliveries or school hours	<ul style="list-style-type: none"> • <i>The contractor is to ensure that all deliveries/collections are restricted to normal working hours, out of hours may be agreed following liaison and approval from the client and the local authority.</i> • Deliveries to and from site need to attempt to avoid school hours and are prohibited between 8.00am to 9.10am, 12.00 noon to 1.30pm and 3.30pm to 4.30pm. There are local schools in the area;

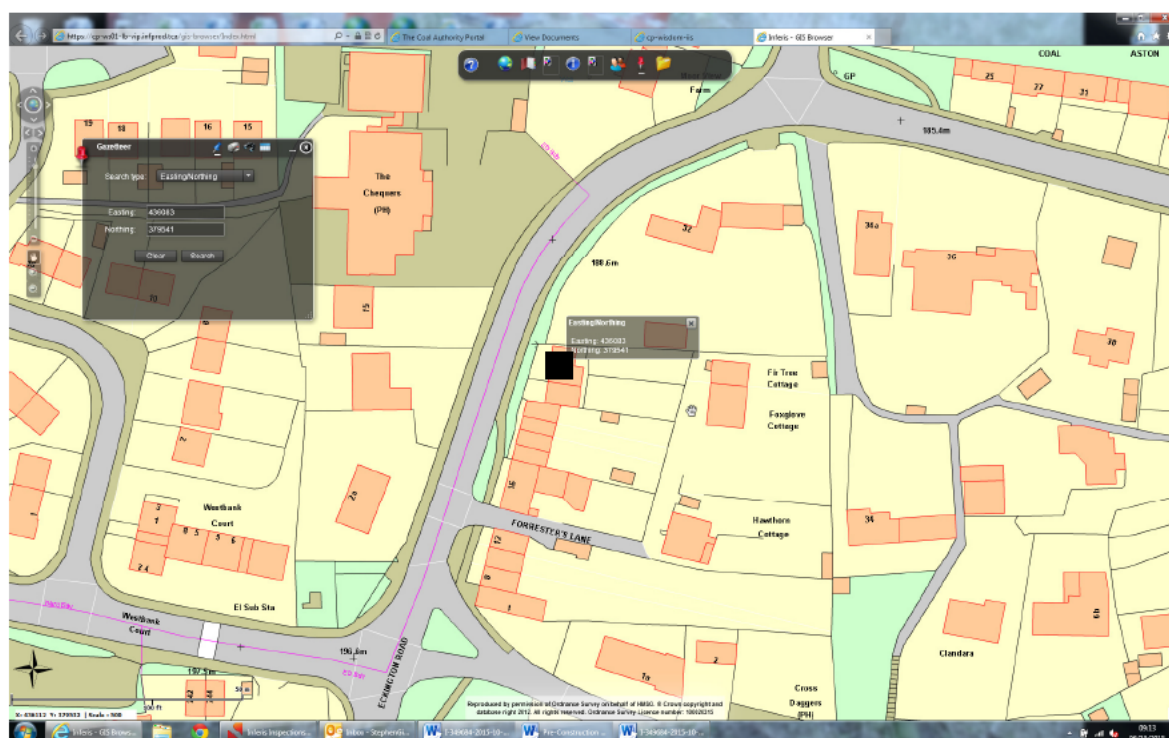
	<ul style="list-style-type: none"> • <i>Northfield Junior School, Falcon Rd, Dronfield, Derbyshire, S18 2ED</i> • <i>Lenthal Infant & Nursery School, Dronfield, Derbyshire.</i> • <i>Holmesdale Infant School, Dronfield, Derbyshire.</i>
14. Adjacent land uses - for example schools, railway lines or busy roads,	<ul style="list-style-type: none"> • <i>Map of the local area with key areas annotated</i>
15. Existing storage/structures with hazardous materials	<ul style="list-style-type: none"> • <i>COSHH assessments</i> • <i>Material Safety Data Sheets</i> • <i>Signage</i> • <i>Spill kits/booms</i> • <i>Fire extinguishers</i> • <i>Bunds 110% of the largest container</i>
16. Location of existing services particularly those that are concealed - water, electricity, gas etc.	<ul style="list-style-type: none"> • <i>CAT scanning</i> • <i>Trial holes/hand digging</i>
17. Ground conditions, underground structures, adits, shafts or water courses where this might affect the safe use of plant, for example cranes or the safety of ground works	<ul style="list-style-type: none"> • <i>Ground investigations have been carried out and the information will be provided with this document.</i> • <i>A 10.4m deep shaft has been located under the rear elevation of the property and there are probable unrecorded shallow workings beneath the property.</i> • <i>The shaft has been previously filled and grouted. However extreme care must be taken when operating in this area. All available drawings and information must be utilised when formulating the safe system of works for this area.</i> • <i>Safe working platform/tracks</i> • <i>PPE – harnesses and lanyards</i>
18. Work on excavations	<ul style="list-style-type: none"> • <i>Hand only to facilitate probe drilling</i> • <i>Gas monitoring/Risk assessment/Calibrated monitor.</i>
19. Mine gas/heating/spontaneous combustion	<ul style="list-style-type: none"> • <i>Monitoring/calibrated alarms required</i>
20. Mine entry	<ul style="list-style-type: none"> • <i>N/A</i>
21. Information about existing structures/structural	

<p>modifications including weakening or strengthening - stability, structural form, fragile or hazardous materials, anchorage points for fall arrest systems (particularly where demolition/shaft exclusion zones are involved)</p>	<p>This property is an end terrace stone built cottage under a dual pitched slate roof built circa 1860. It has a two storey rendered kitchen/bathroom extension at the rear.</p> <p>Walls are of stone rubble construction and show signs of bulging on all elevations (a common failure of walls of this type).</p> <p>An inspection revealed on-going cracking to internal and external walls above the mine shaft and severe tilt to first floor floors and elevation walls.</p> <p>The property sits above undifferentiated Lower Coal Measure strata. The Silkstone seam outcrops approximately 37.0m to the north of the property and will underlie the dwelling at approximately 11.0m depth.</p> <p>A ground investigation undertaken by Geol-Consultants Ltd on 11/08/2011 shows the property to sit on 0.15m of fill above 2.90m of stiff clay on strong carboniferous mudstone.</p> <p>At 6.10m, 3.0m of broken ground was encountered confirming the presence of unrecorded shallow workings.</p> <p>Following the fill of the shaft additional movement/cracking has been identified in the building structure.</p> <ul style="list-style-type: none"> • <i>A tell - tale has been fixed to sitting room wall that should be monitored throughout the works. Any movement should be reported to the S.O. and the building vacated until an inspection has been carried out and the building declared safe by the structural engineers.</i> • <i>Secure anchor points</i> • <i>PPE - harnesses and lanyards</i> • <i>PPE – hard hat zones</i>
<p>22. Work at height including work on/near to fragile surfaces</p>	<ul style="list-style-type: none"> • <i>N/A</i>
<p>23. Any difficulties relating to plant and equipment in the premises, such as Drilling/lifting operations</p>	<ul style="list-style-type: none"> • <i>Gas risk assessment</i> • <i>Control the cuttings/risings</i>

access from third parties	<ul style="list-style-type: none"> • <i>Guard rotating drill strings</i> • <i>Appointed person/Competent Persons</i> • <i>Daily/checks</i>
24. Confined spaces (culverts etc.)	<ul style="list-style-type: none"> • <i>N/A</i>
25. Health and safety information contained in earlier design, construction or 'as-built' drawings, such as details of pre-stressed or post-tensioned structures	<ul style="list-style-type: none"> • <i>N/A</i>
26. Work on or near water where there is a risk of drowning	<ul style="list-style-type: none"> • <i>N/A</i>
27. Asbestos, including results of surveys (particularly where demolition is involved)	<ul style="list-style-type: none"> • <i>N/A</i>
28. Pollution/contamination of soils, sewers, drains and water courses	<ul style="list-style-type: none"> • <i>Written emergency arrangements</i> • <i>Site plan considering sensitive areas</i> • <i>Bunds 110% of the largest container</i> • <i>Spill kits/booms</i>
29. Nuisance from dusts/odours/smoke/noise/vibration	<ul style="list-style-type: none"> • <i>Working hours restricted to daylight hours (Mon-Fri only) 8am to 5pm</i> • <i>Dust suppression management plan</i> • <i>Maintenance regime for equipment</i> • <i>No burning on site</i>
30. Noise and vibration	<ul style="list-style-type: none"> • <i>Acoustic barriers</i> • <i>PPE – hearing protection</i> • <i>Reduce time of use</i> • <i>Job rotation</i> • <i>HSE HAVS calculator to record trigger times</i> • <i>Maintained low noise/vibrating equipment</i> • <i>Correct tool for the job used by trained operatives</i>
31. Manual handling	<ul style="list-style-type: none"> • <i>Mechanise lifting/handling wherever possible, use of tripods etc</i> • <i>Specific manual handling risk assessment</i> • <i>Trained and competent persons</i> • <i>Reduce loads to be handled</i> • <i>PPE – safety gloves and boots</i>
32. Contaminated land, including results of surveys	<ul style="list-style-type: none"> • <i>N/A</i>
33. Waste handling (storage and removal)	<ul style="list-style-type: none"> • <i>N/A</i>
34. Health risks arising from client/stakeholder activities for example cross contamination	<ul style="list-style-type: none"> • <i>N/A</i>
Significant Design and Construction Hazards	
35. Significant design assumptions and suggested work methods, sequences or	<ul style="list-style-type: none"> • <i>The Designer(s) have identified that the construction works represent the type of risks which a competent contractor</i>

other control measures	<p>experienced in this type of works would reasonably expect to encounter during the works.</p> <ul style="list-style-type: none"> The Contractor shall provide a CPP incorporating risk assessments and method statements detailing how they will plan, organise, implement, monitor and review the health and safety risks identified throughout the duration of the works.
36. Arrangements for co-ordination of ongoing design work and handling design changes	<ul style="list-style-type: none"> <i>Liaise with S.O. agreed works to proceed as per the construction phase plan. Any variations to be agreed prior to implementation.</i>
37. Information on significant risks identified during design	<p>The Contractor must detail within their risk assessments, method statements and safe systems of work detailed arrangements for the suitable control of any significant risk. Significant risks for this project include, but are not limited to:</p> <ul style="list-style-type: none"> Access and egress to and from site Anti-social behaviour, theft and unauthorised access may also be a significant risk Exposure to mine gases – gas monitoring/cold cutting/hydraulic cutting techniques to be adopted Provide a safe system of work for working around the shaft to ensure protection of all operatives/pedestrians Traffic Management, plant movements, a trained banks man must be in place at all times Working over or near to shaft, ensure appropriate anchor points lanyards etc are in use.
38. Materials requiring particular precautions	<ul style="list-style-type: none"> Manual handling of hand held rotating drill & drill rods. Ensure all manual handling and safe lifting practices have been adopted and are in use. In accordance with method statements and risk assessments. Rotating drill guards where applicable.
The Health and Safety File	
39. Description of the file's format and any conditions relating to its content	<p>A health and safety file is only required for projects involving more than one contractor.</p> <p>GEOL are to provide all Ground Investigation information for the health and safety file required in Phase II and Phase III of the proposed work.</p>

Additional Comments			
Are there any other health, safety and welfare or environmental hazards not mentioned above that are required to be brought to the attention of the Contractor? If YES, please provide details below and continue overleaf if necessary.			
Hazards	Comments	Additional Control Measures Required	
NB: Upon completion of this pre-construction information a copy must be supplied to the Contractor for to enable the Construction Phase Plan to be completed. A record of the Contractor's receipt of the form shall be maintained within Inferis.			
TCA Representative Name (Print)	Position	Date	Signature
NB: The overall choice of risk control measures is the responsibility of the Contractor. The Coal Authority requires the Contractor to implement the hazard control measures for those areas identified in this Pre-construction Information within the Construction Phase Plan and subsequent Risk Assessments/Method Statements.			
Contractor Representative Name (Print)	Date	Position	Signature
I accept this Pre-construction Information and agree to implement the appropriate control measures within the Construction Phase Plan and subsequent Risk Assessments/Method Statements.			



Original inspection report 2011 prior to any investigations etc. The shaft has now been dilled and grouted.

The Coal Authority

Address:	██████ Eckington Rd, Coal Aston, Dronfield, Derbyshire, S18 3AT	Claim No:	S S125385
Claim Date:	22/6/2011	Date of Inspection:	5/7/2011
Claimant:	Mr ██████████	Tenant:	N/A
Tel No:	██████████	Tel No:	
Surveyor:	██████████	Agent:	N/A
		Tel No:	



Mining

There has been no recorded past mine workings within the zone of influence of the property. The property is within an area of possible unrecorded shallow coal mine workings. There is a shaft ref: 436379-001 Treatment unknown. The defects are directly over the area where the shaft is shown; I would therefore recommend bore hole investigations to establish the cause of the damage (compaction of fill material or voiding)

Property

Site inspection. The property is a semi detached cottage built circa 1880's. Stonework construction probably built off a spread stone foundation. Traditional pitched roof covered in slates. Rear outrigger is rendered construction. The defects are distortion to the lounge floor and door frame. Distortion to the kitchen floor and door frames and depression around the rear entrance in the paved area. All of the distortion looks old, however there is some new cracking around the lintel ends in the lounge. The owner has been informed by the proactive team that there is a shaft on his property. The shaft is located directly below the area that is being affected. He is concerned that the movement is ongoing and also that his property value will have been affected.

<u>Location</u>	<u>Decoration</u>	<u>Defects</u>	
Rear Elevation	•	• There is a depression around the rear entrance doorways. This is directly where the shaft is shown on MRSDS.	•
LHS Elevation.	•	• The gable is bowing probably due to a lack of lateral ties at 1 st floor and roof levels.	•
Kitchen	• EP and beam ceiling. • EP walls.	• Undulating wall plasters. • The floor is sloping and distorted around the entrance to the lounge, and garden.	•
Lounge.	• EP and beam ceiling. • EP walls.	• Hairline wall cracks over doors and windows. • Distortion to the floor over the area where the shaft is shown on MRSDS. • Also hairline wall angles and ceiling cracks.	•
Front Elevation	•	• NRMD	•
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	•	•	•
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	•	•	•
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Recommendation

There is a definite depression around the rear lounge floor and kitchen floors extending into the patio area where the shaft is shown on MRSDS. Although this is considered to be historical distortion there is some minor cracking in the lounge. I would therefore recommend borehole investigations are carried out externally to the patio area, to establish if there is any voiding at this point.

Previous Claims

N/A


Project Manager