



Highbarns Chalk Mines Project Management

Presentation by Hyder Consulting (UK) Limited



Presentation given by:

- Mark Skittrall – Project Manager
- Dr Peter Arnold – Project Director
- Chris Milne – Mining Risk Specialist



Who are Hyder?



- Hyder is a major project management, engineering and environmental consultancy with nearly 5000 staff worldwide
- We have **150** years engineering experience
- We oversaw the successful investigation and treatment of the chalk mines at **Briars Lane in Hatfield**
- Hyder is working with Hertfordshire CC and Welwyn Hatfield BC on a range of chalk mining related schemes
- We are also working on large mine treatment schemes in Devon and Norwich



Our plan



- Work in partnership with the Council and residents
- **Ensure residents are safe**
- Minimise any disruption
- Make sure residents have the information they need about the mines
- Listen to residents and take their views into account
- Obtain the maximum Government funding for the scheme
- **Identify a way forward with the mines as quickly as possible**

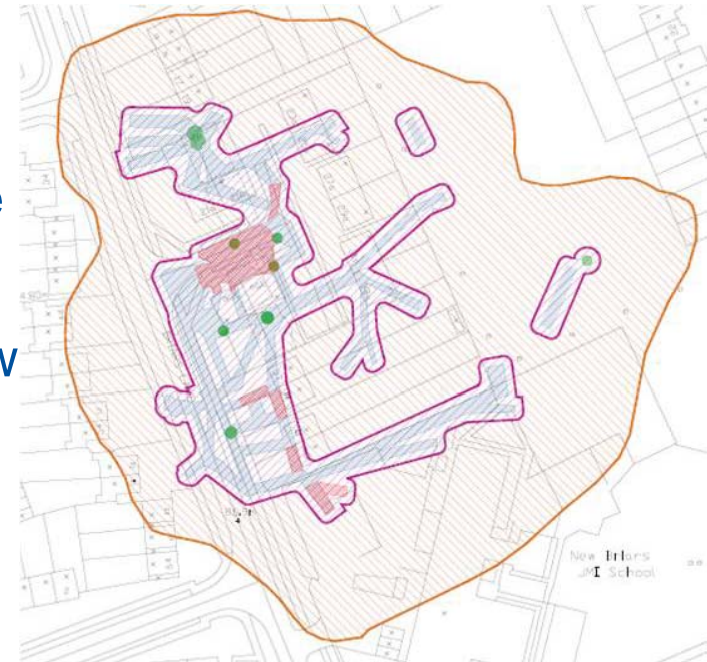


What happens next?



To come up with a solution for the mines at the site we need to:

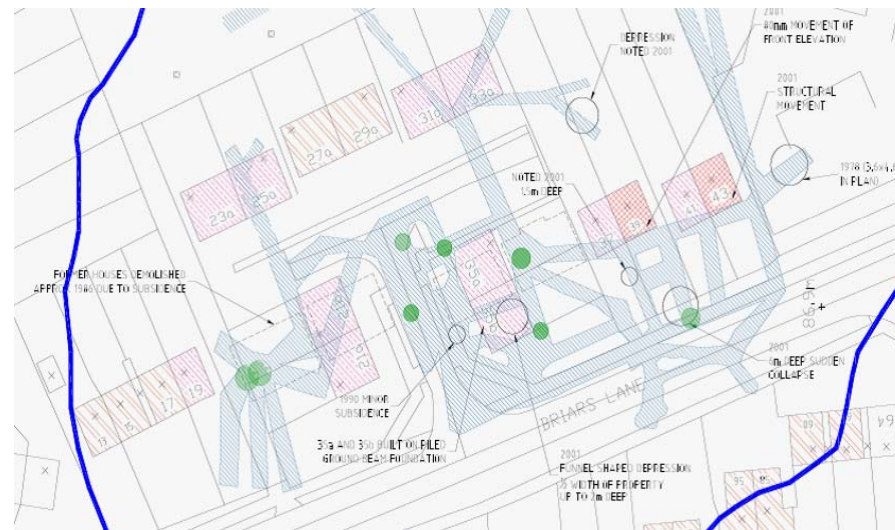
- Undertake a detailed inspection of the site (including roads and gardens)
- Speak to any residents who may know about the history of the site
- Undertake a detailed risk assessment of the mines
- Decide the scope of further investigations – likely to be a **geophysical survey**



Site inspection



- We will need your permission to access your gardens and to talk to you about any problems or information on the mines you may have
- We will prepare a detailed map of the information from the inspection and compare this with what we know about the mines underground
- This will identify areas we may need to investigate further



Geophysical surveys



- We use a technique called '**microgravity**' which investigates whether material has been removed beneath the ground
- Microgravity surveys are carried out from the surface using portable equipment which doesn't cause any noise or vibration
- We will need permission to access your gardens and drives
- We may need to do some additional boreholes following the survey



Should I be worried?



Whilst it is obviously a worry that mines are present, please remember that:

- Injury due to mine collapse is very rare
- The areas which recently collapsed have been treated
- The shallowest mine feature beneath the road has been filled
- We are going to do everything we can to work out exactly where the mines are and to design a solution
- We have done this before successfully at Briars Lane
- **If you have any worries please let us know**

