

Extent of replacement wall or fence

This shows the proposed location of the new boundary wall or fence.

It also shows the location of the new service compound, so we can manage and maintain the new mine water management system.





Wall/fence options

This shows the proposed height and style of the new boundary wall or fence.

The options presented will be subject to feedback and planning.

The brickwork is proposed to be similar to the existing house.

For all options an interior secure fence (1.8m high) will need to be added around the weather station.

1 Weather station

(2) Telemetry kiosk

Photo below shows part of the existing boundary wall:













Garage options

This shows the location of the existing garage, which is currently a concrete sectional garage. We need to take the existing garage down to complete our works.

The options presented are an illustration and will be subject to feedback and planning. Brick options proposed to be similar to the existing house.





Option A - Concrete sectional garage



Option B - Brick garage



Option C - Brick garage with pitched roof



Option D - No garage



Surface options

Surfacing - subject to feedback & planning Service compound Garage No.1

This shows the extent of the new surface for the service compound. The options need to be suitable to allow us to maintain the new system.

The options presented are subject to feedback and planning.



Option A - Concrete finish (similar to existing driveway)



Option B - Asphalt finish



Above ground plan

This shows the arrangement of the new service compound above ground.

This is an area that will contain a weather station and a standard telemetry kiosk, which we will use to help monitor and manage the mine water management system. The weather station will be around the height of the garage.

Kiosk (max 1m high x 1m wide)



Weather station (max. 2.1m high)









Below ground plan

This shows the arrangement of the new underground pipes and chambers.

The mine water management system will provide a new route from the historical underground workings at this location. This will allow the water to flow from the mine workings into the new pipework.

Most of the installation works will be underground and take place within the fenced site boundary.

We will put a maintenance programme in place, which will be managed by our contractors and operational team.





Underground flow control chamber

Flow control chamber

plan view

This new underground flow control chamber will allow us to continually measure the mine water, so we can monitor the flow conditions at this location.

It also provides the option to temporarily divert the mine water to the existing upgraded culvert (see below ground plan) so we can maintain the mine water management system. In standard flow conditions one pipe is more than sufficient to carry the mine water. We've built in extra capacity into the system, which means that in low flow conditions we can undertake maintenance works.





Other underground chambers

This shows the other new underground chambers, which will be put in place to keep the mine water and existing culvert separate (see below ground plan).

The existing culvert is a pipe through which other local historical water courses flow. This was put in place prior to the housing developments. There will be a manhole cover for each of the new underground chambers, which are shown on the below ground plan.

