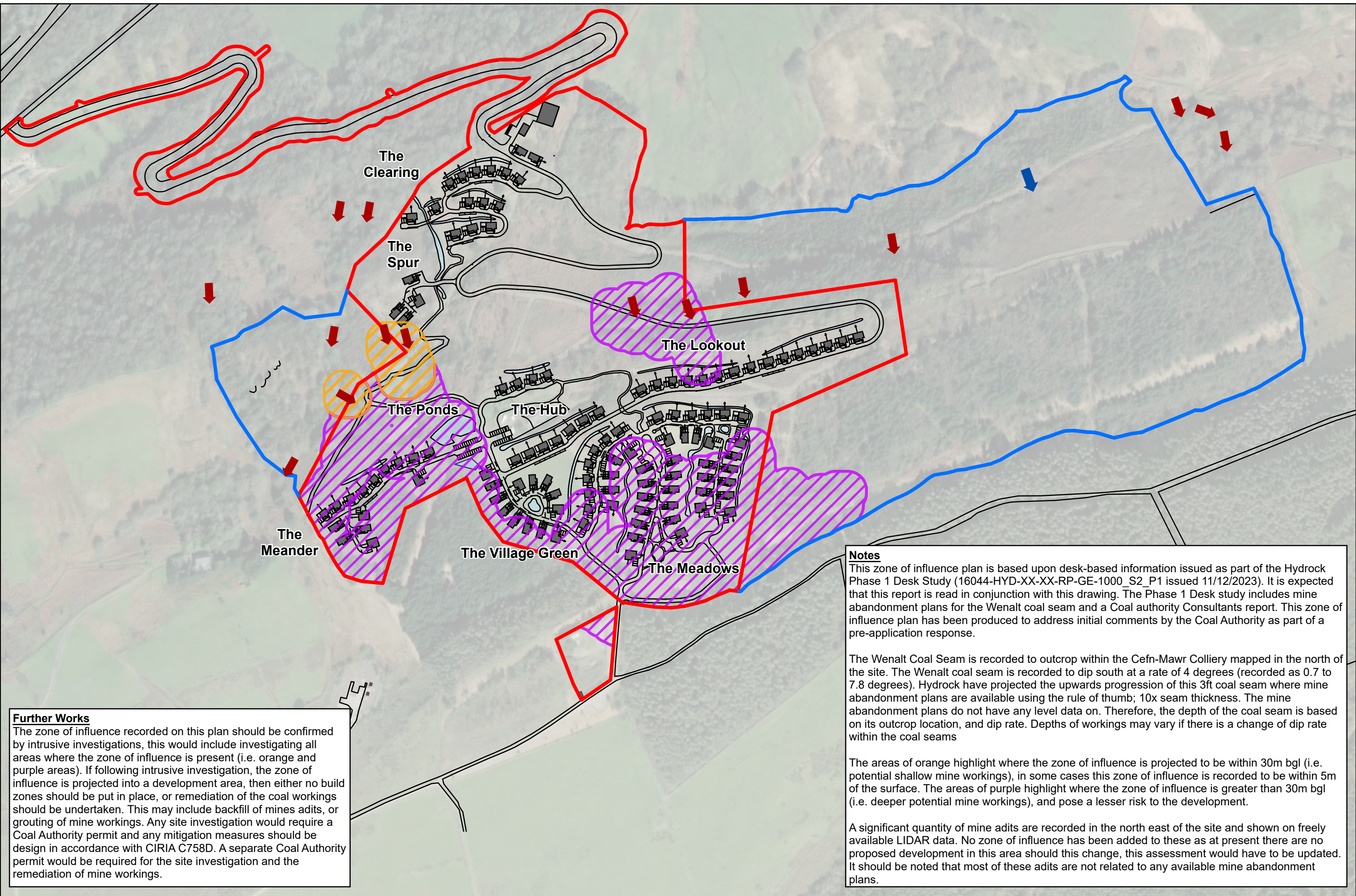




Further Works
The zone of influence recorded on this plan should be confirmed by intrusive investigations, this would include investigating all areas where the zone of influence is present (i.e. orange and purple areas). If following intrusive investigation, the zone of influence is projected into a development area, then either no build zones should be put in place, or remediation of the coal workings should be undertaken. This may include backfill of mines adits, or grouting of mine workings. Any site investigation would require a Coal Authority permit and any mitigation measures should be design in accordance with CIRIA C758D. A separate Coal Authority permit would be required for the site investigation and the remediation of mine workings.

Notes
This zone of influence plan is based upon desk-based information issued as part of the Hydrock Phase 1 Desk Study (16044-HYD-XX-XX-RP-GE-1000_S2_P1 issued 11/12/2023). It is expected that this report is read in conjunction with this drawing. The Phase 1 Desk study includes mine abandonment plans for the Wenalt coal seam and a Coal authority Consultants report. This zone of influence plan has been produced to address initial comments by the Coal Authority as part of a pre-application response.

The Wenalt Coal Seam is recorded to outcrop within the Cefn-Mawr Colliery mapped in the north of the site. The Wenalt coal seam is recorded to dip south at a rate of 4 degrees (recorded as 0.7 to 7.8 degrees). Hydrock have projected the upwards progression of this 3ft coal seam where mine abandonment plans are available using the rule of thumb; 10x seam thickness. The mine abandonment plans do not have any level data on. Therefore, the depth of the coal seam is based on its outcrop location, and dip rate. Depths of workings may vary if there is a change of dip rate within the coal seams

The areas of orange highlight where the zone of influence is projected to be within 30m bgl (i.e. potential shallow mine workings), in some cases this zone of influence is recorded to be within 5m of the surface. The areas of purple highlight where the zone of influence is greater than 30m bgl (i.e. deeper potential mine workings), and pose a lesser risk to the development.

A significant quantity of mine adits are recorded in the north east of the site and shown on freely available LIDAR data. No zone of influence has been added to these as at present there are no proposed development in this area should this change, this assessment would have to be updated. It should be noted that most of these adits are not related to any available mine abandonment plans.