

# Chatterley Valley—Lowlands Road Phase 2 and Goldendale East Enabling Works.

## Project Profile

**Client:** Advantage West Midlands

**Designer:** Wardell Armstrong

**Value:** £1.35m



The completion of remediation and enabling works to this 14ha site located off Lowlands Road near Tunstall, Stoke on Trent formed part of Advantage West Midlands extensive regeneration plans for the run down Chatterley Valley area of North Staffordshire. This low lying site had been dormant for 15 years and was being reclaimed for commercial development.

The contract was secured following a 'quality/price' tender submission in which we provided up front risk costs to the client for alternative earthworks solutions based on weather and ground conditions risks thus ensuring certainty of completion to allow the sale of the site to AWM's programme.

Work on the scheme involved;

- Stripping 22,500m<sup>3</sup> of wet surface vegetation and topsoil from development areas
- Transport 13,000m<sup>3</sup> of the stripped vegetation and topsoil to the adjacent Goldendale East site to form 2 large landscape mounds which form part of environmental improvement works to this site. This required a temporary site access with traffic control to be established
- Constructing 1,600m of ditches and French drains across the site to act as temporary surface water drainage
- Excavate, sort, dry and re-compact 50,000m<sup>3</sup> of existing oversite fills to earthworks specification in 2 of the site areas up to 3m deep
- Lime Stabilisation soil improvement to 88,600m<sup>2</sup> of wet near surface soils, in the other 2 areas of the site to 350mm depth due to exceptionally inclement summer weather
- Import 12,000 tonnes of rock sand and place to earthworks specification as a protective compacted layer to lime stabilised areas
- Soils testing and Dynamic Probing to prove achievement of required development bearing capacities
- Chemical testing of existing materials stockpiles to ensure suitability for incorporation in the works



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- Channel cleaning, realignment and re-grading of existing perimeter brook course including concrete weir walls, gravel dams and environmental habitat ponds
- Construction of 3 surface water attenuation ponds on the perimeter brook course with 15,000m<sup>3</sup> storage capacity
- Probe drilling for a suspected mineshaft position on a 10m radius
- Landscaping, seeding and planting of all non development areas and environmental habitats
- Compliance with Natural England licence in respect of Great Crested Newts which included restricted access to a large part of the site for the first 6 weeks of the contract until the area was cleared



As an additional to the contract, we also completed the provision of new footpaths, landscaping and erection of a public art feature on the nearby Goldendale East site.

