

# Astley Hampstall STW

**Client :**  
Severn Trent Water

**Designer :**  
Charles Haswell & Partners

**Location :**  
Worcestershire

**Date :**  
2004



In 2004 BAM Nuttall carried out a scheme to install first time sewerage in the village of Astley Hampstall in Worcestershire.

The work comprised:

- Upgrading an existing village treatment works by the addition of a Submerged Aeration Filter (SAF).
- Construction of a new pumping station and installation of a new rising main to transfer flow to the treatment works.
- Laying of approximately 900m of 150mm gravity sewer up to 3m deep.
- Private house connections and decommissioning of septic tanks and cesspits.
- All mechanical and electrical design installation and commissioning.

### Sensitive environment

Works were carried out in close proximity to private houses in the highway, farmland, gardens and amenity areas. Careful liaison and explanation was required to reassure property owners on the effects of the work

### Recycling to minimise vehicle movements

Surplus topsoil on site was transported to a nearby BAM Nuttall contract for Severn Trent at Kidderminster, where imported topsoil was required. Return loads carried surplus fill from Kidderminster for the new approach road embankment at Astley Hampstall. This minimised vehicle movements in the village and also in Kidderminster.

Surplus material excavated from the pipe trenches was utilised to re-landscape the amenity area around the new pumping station.

### Re-using temporary works materials

Temporary works to support the existing final settlement tank adjacent to the SAF excavation and the waling frames for the pumping station cofferdam were fabricated on site. Steel sections used on previous contracts and stored at the BAM Nuttall plant yard were used. This approach was economical and again helped reduce transport to and from site.

BAM Nuttall Ltd  
St James House, Knoll Road,  
Camberley, Surrey. GU15 3XW

Tel: 01276 63484  
E-mail: [headoffice@bamnuttall.co.uk](mailto:headoffice@bamnuttall.co.uk)  
[www.bamnuttall.co.uk](http://www.bamnuttall.co.uk)