

**Client**



**Main Contractor**



### Site Background & History

Stoke on Trent College commissioned Thomas Vale to deliver the new £12million Enterprise Hub facility at their Cauldon College campus. The new build was completed in mid-2015.

Historical maps show the site was formerly occupied by Cauldon Place China and Earthenware Manufactory adjoining which was Cauldon Park. Maps from 1950 show the site redeveloped as North Staffordshire Technical College with the Park remaining.

Figure 1 – Historical map (circa 1950's)



Maps from the 1950s show the actual area of the new development as being occupied by building (believed to be a large conservatory).

Figure 2 – 1950s building associated with development area.



Prior to development the development footprint consisted of a grassed area with a few semi mature ornamental trees.

Figure 3 – Development area prior to commencement of construction works.



A recent site investigation indicated a low to medium risk to ground-workers and site end users from the presence of asbestos contamination within the underlying soils.

Thomas Vale engaged Envirotreat to undertake the required remediation measures to address & enable discharge of the relevant planning application conditions.

Envirotreat produced a Remediation Strategy/ Method Statement which addressed the concerns with asbestos and other unexpected contamination issues.

### Site Works

#### Initial investigation.

Initially, Envirotreat undertook a series of shallow trial pits across the site to gain a better understanding of the contamination concerns associated with the made ground.

Figure 4 – Excavation of investigative trial pits.



The findings from the trial pit investigation across the development area indicated a low risk from asbestos and chemical contamination and that the work could be undertaken with little risk to ground-workers.

Equally based on contamination levels that the soils could be deemed Non Hazardous / inert for off-site disposal purposes.

Figure 5 – Commencement of groundworks (compare to figure 3).



#### **Validation and Verification.**

Following completion of the development Envirotreat produced a comprehensive Verification Report, relating to site investigations undertaken, 'watching brief at key stages (asbestos monitoring and capping layer) to enable the discharge of the respective planning conditions relating to the development.

Figure 6 – Completed development.



### Conclusions

Envirotreat provided significant added benefit to the project in respect of:

- Project programme and cost optimisation to minimisation of unexpected contamination and pre-agreed remediation plan to treat if required.
- Regulatory sign-off.