

Simpkins Garage, Chandlers Ford

Site Area: 0.3 Hectares
Former Use: Former Motor Garage
Client: Taylor Wimpey Southern
Value: £160,000

Provectus have undertaken and completed a site demolition and remediation contract to reclaim this former motor service garage and petroleum retail station, prior to construction of residential flats. Historic storage of petroleum and diesel products in underground storage tanks has resulted in contamination within soil and groundwater, posing unacceptable risks to a surface watercourse located directly adjacent to the site.

The following works were undertaken:

- Controlled removal of all asbestos containing materials and waste oils in accordance with relevant legislation including Duty of Care requirements of EPA 1990
- Controlled demolition of all buildings and removal of foundations. Crushing concrete & brick for re-use during site remediation.
- Decommissioning & removal of underground storage tanks.
- Targeted excavation & off-site disposal of hydrocarbon contaminated soils.
- Ex-situ removal of contaminated perched groundwater using an oil interceptor and granular activated carbon (GAC) unit
- In-situ treatment of residual groundwater contamination, by direct injection of oxygen release compound (ORC) into the underlying aquifer
- Supplementary treatment of residual hydrocarbon contamination in groundwater nearer to the adjacent surface watercourse using a Permeable Reactive Barrier (PRB)

In addition to providing a complete remedial works package, Provectus also assisted the client's consultants in negotiating the necessary permissions to undertake in-situ remediation

