



# FORMER ENGINEERING WORKS, ROOD END

## Demolition, Remediation & Earthworks

### PROJECT SCOPE

Substantial former Engineering Works active since the early 1900's with historic processes and activities at the site comprising metal working, spray painting, powder coating, wood working and tyre shredding. It was proposed to redevelop the site for housing and VertaseFLI was contracted to undertake the demolition and remediation work necessary to discharge planning conditions. Challenges included:

- Presence of substantial amounts of notifiable asbestos
- Several large overground and underground fuel storage tanks
- Widespread archaeological survey required
- co-ordination of works with Network Rail
- Phased release to allow for early development

### VERTASE FLI ROLE

VertaseFLI undertook the demolition of the factory units and large office block, as well as the decommissioning and removal of the fuel storage tanks. Removal of notifiable asbestos was undertaken in accordance with HSE requirements and all works were completed on programme and without incident.

Hydrocarbon hotspots were excavated and treated on site using bioremediation techniques. A deeper TCE hotspot was also excavated and treated during this phase of the project. Contaminated perched groundwater within the made ground and shallow natural ground was recovered from the hotspot excavations and treated via the VertaseFLI water treatment plant. Due to the presence of a bronze age burial mound within 100m of the site, an extensive archaeological survey was carried out on site during the works. VertaseFLI integrated the survey into the wider site works and managed the scope by extending hotspot excavations in order to expose the natural ground for archaeological analysis.

All excavated soils were retained on site and reinstated in accordance with the site specific materials management plan. Demolition material processed to 6F2 secondary aggregate was also re-used.



## PROJECT OVERVIEW

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### CLIENT

TAYLOR WIMPEY WEST MIDLANDS

### LOCATION

OLDBURY, WEST MIDLANDS

### PROJECT VALUE

£500,000

### DURATION

6 MONTHS

### SERVICES PROVIDED

- Demolition
  - Fuel tank decommissioning
  - Asbestos removal, site Investigations
  - Hydrocarbon and chlorinated solvent excavation and on site bioremediation
  - Groundwater treatment, earthworks
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DEMOLITION OF FACTORY UNIT AND STOCKPILING OF MATERIALS FOR CRUSHING AND RECYCLING



DEMOLITION OF OFFICE BLOCK USING LONG REACH EXCAVATORS WITH HYDRAULIC SHEARS



CONTROLLED REMOVAL OF NOTIFIABLE ASBESTOS FROM BUILDINGS PRIOR TO DEMOLITION



EXCAVATION OF HOTSPOT MATERIAL AND CONSTRUCTION OF TREATMENT BEDS



CRUSHING AND PROCESSING DEMOLITION MATERIAL TO SECONDARY 6F2 AGGREGATE



REINSTATEMENT OF SITE-WON MATERIAL TO FINISH LEVELS AND PILING MATS