

SYLVESTER STREET, SHEFFIELD

Remediation and Enabling Groundworks

VertaseFLI was appointed by Platform Sheffield S.A.R.L to carry out land remediation and reinstatement earthworks to create carefully designed development platforms for a residential development.

The site has a long industrial past most notably as a cutlery and steel works, after which the buildings were demolished and the site was used as a car park.

CLIENT: PLATFORM SHEFFIELD S.A.R.L.

LOCATION: SHEFFIELD

PROJECT VALUE: £870,000

DURATION: 38 WEEKS

SERVICES PROVIDED: BREAKING OUT AND CRUSHING HARDSTANDING. LNAPL RECOVERY AND DISPOSAL. EXCAVATION OF BELOW GROUND STRUCTURES, OBSTRUCTIONS, AND CONTAMINATED AREAS. REINSTATEMENT OF EXCAVATED AREAS ACROSS SITE WITH VALIDATED SITE WON MATERIALS. STABILISATION AND REINSTATEMENT OF METALS IMPACTED MATERIALS. USE OF WATER TREATMENT PLANT, WHICH RECOVERED 150 LITRES OF FREE PRODUCT. JAPANESE KNOTWEED TREATMENT AND REMOVAL. RIVER WALL DEMOLITION AND REBUILDING.



VertaseFLI Role:

- Pre-start authorisations and approvals;
- Soil sample acquisition & stabilisation trials;
- Site establishment;
- Break & crush existing hardstandings;
- Recovery & disposal of LNAPL;
- Perched ground water control, treatment & disposal during the works;
- Excavation of contaminated soil hotspots;
- Ex-situ treatment of soils;
- Japanese Knotweed treatment and removal;
- Identification, removal and crushing of buried obstructions;
- Reinstatement and re-profiling earthworks;
- Validation and Reporting;
- Health and Safety Management;
- Environmental Management, Control and Monitoring.





EXCAVATION AND PROCESSING OF SITE WON MATERIALS



LARGE OBSTRUCTIONS UNSUITABLE FOR EXCAVATION WERE FIRST FULLY EXPOSED BY EXCAVATOR



ONCE EXPOSED, LARGE OBSTRUCTIONS WERE BROKEN OUT BY EXCAVATOR USING MECHANICAL BREAKER. RUBBLE WAS LIFTED TO STOCKPILE FOR PROCESSING.



FORWARD DEWATERING TRENCHES WERE EXCAVATED TO RECOVER GROUNDWATER AND FREE PRODUCT IN THE LNAPL AREA.



WATER TREATMENT PLANT COMPRISING OIL / WATER SEPARATOR, GRANULAR ACTIVATED CARBON POD, PERISTALTIC PUMP, FLOW METER AND STORAGE CONTAINERS



PRODUCT IMPACTED MADE GROUND WAS EXCAVATED FROM EXCAVATION CELLS TO STOCKPILE FOR OFFSITE DISPOSAL