

## Mill Street, Darlaston

Former Use:	Steelworks with underlying mine workings
Client:	Bellway Homes Limited
Value:	£158,000
Location:	Mill Street, Darlaston
Area:	1.2 Hectares

Provectus implemented a turnkey package of remediation and mine working stabilisation works to facilitate safe redevelopment of the former Longmore Brothers Steelworks site off Mill Street in Darlaston, a town centre location.

As part of a Design & Build, a Geoenvironmental Assessment Report prepared by Provectus provided the findings on which this work was based:

- visual and olfactory evidence of hydrocarbon contamination was identified at a number of locations during the ground investigation;
- the results of chemical analysis of the near surface soils indicated that the Made Ground contained elevated concentrations of heavy metals and locally elevated concentrations of hydrocarbons.

Coal Authority records also showed the presence of at least one shaft in the south of the site. In fact, three shafts were found during our works as follows:

- Shaft 1 drilled to its base at 14.5m with 5m of proof drilling at the base of the shaft. The shaft was grouted with a total of 5.25 tonnes of grout with a grout cap/plug constructed at the top of the shaft;



- Shaft 2 bulk filled with granular material with a 6F2 classification, drilled to its base at 10m with 5m of proof drilling at the base of the shaft. The shaft was grouted with a total of 5.0 tonnes of grout with a grout cap/plug constructed at the top of the shaft;
- Shaft 3 bulk filled with granular material with a 6F2 classification, drilled to its base at 14m with 5m proof drilling at the base of the shaft. The shaft was grouted with a total of 33.75 tonnes of grout.

In addition, remedial works including source area removal and installation of a clean capping layer were implemented and validated by Provectus. This allowed the client to redevelop the site for residential housing blocks and individual houses.