

Concordia Engineering Works - Long Eaton

Area:	Approximately 3 Hectares
Former Use:	Concordia Wire and large cable works
Client:	Taylor Wimpey
Value:	£360,000

The remediation works were carried out by Provectus under the supervision of an independent environmental consultant acting on behalf of the developer. The consultant had previously completed on behalf of the Client the Remedial Action Plan for the site. Provectus developed and gained approval of their Remedial Method Statement (RMS) to implement a remedial strategy that would involve bioremediation and bioventing of contaminated soils at the site.

The former engineering works exhibited significant hydrocarbon impact of the made ground and terrace gravels. The site was due to be remediated to allow development of the site for residential use and open space.

Works at the site included source term excavation, screening and biotreatment of impacted soils prior to re-engineering the material to specified standards to allow for raft foundations at the site.

Summary of Work Elements completed:

- 14000m³ of soil treated
- 3000m³ of which was heavily contaminated soil
- Low rate bioremediation (windrow turning)
- High rate bioremediation bioventing (mixed with a bionutrient gel, solid or solid form or natural source to provide optimum nutrient conditioning)



- Placed in a treatment cell containing vent pipework and periphery leachate collection trench leading to a collection sump. Clay bunds to intercept any run off and not allow re infiltration into the site or have an impact on the underlying groundwater.
- Single biopile covered with a woven polypropylene “biofleece” sheeting to prevent dust and provide insulation and minimise leachate generation.

Works were implemented on time and to agreed costs, with sign off from regulators and NHBC.