

Brook Street, Colchester

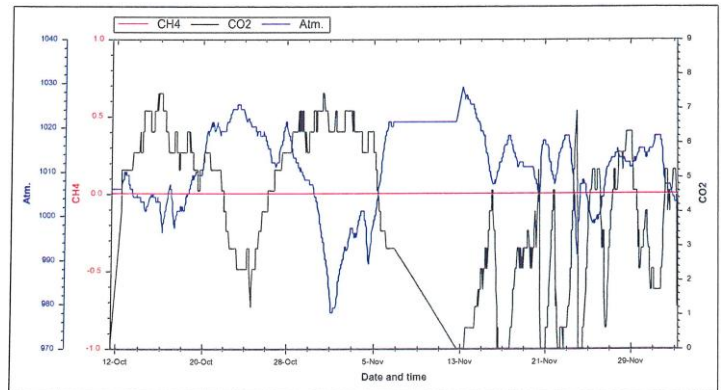
Former Use: Victorian disposal site
 Client: Mersea Homes & Hills Residential
 Value: £800,000
 Area: 2.8 Hectares

This former disposal site impacted with hydrocarbons, heavy metals and low levels of methane/CO₂, was to be cleaned up for residential use.

Work included excavation of buried structures, including foundations. Over 20,000m³ of impacted fill material was removed and treated, most was retained on site for re-use. Provectus worked closely with architects and ground engineers on site to optimise ground levels in order to achieve this. Treated material was then capped with clean natural arisings also won from site.

Re-engineered materials were utilised in the road and sewer areas. Over 400m of road and associated foul and surface water drainage was constructed to highways requirements including in-house NDM verification of compaction criteria.

In adopting a design and build approach keeping most material on site, Provectus saved the client in excess of £800,000 in costs.



A key aspect of this project was the validation process. This was done with the monitoring and validation of potential methane and carbon dioxide generation to satisfy regulatory requirements. Provectus used specialist real time 24/7 remote sensing technology to monitor and verify the soil gas status of the site. This provided excellent quality and quantity of data to analyse and enable accurate assessment and validation of the site's status.