

Rail Maintenance Depot, Ramsgate

Our Services

- Combined Geotechnical and Geoenvironmental Site Investigation
- Risk Assessment
- Method Statements
- Foundations and Slope Stability
- Groundwater Monitoring



Geotechnical and Geoenvironmental Advice

The rail maintenance depot was upgraded by demolishing current infrastructure and rebuilding a new maintenance 'shed' with adjoining office space. Historic use (train maintenance and refueling) has led to soil contamination. The construction activities could not create any risk of contaminating the groundwater.

The site is on raised ground overlying chalk and Head/Thanet deposits. Directly below is a major aquifer, of significant importance to Kent's drinking water supply.

Also within the chalk is a Victorian, hand excavated adit, used to transport groundwater from one area to another and also to increase yield from the aquifer.

The project involves new track, drainage, the diversion of a water main and construction of a retaining structure along one of the boundaries.

CGL undertook site investigations (comprising window sampling, cone penetration tests and boreholes to approximately 40 metres) to provide geotechnical design and ground contamination data. Site-specific risk assessments addressed concerns regarding potential contamination and producing method statements.

CGL monitored the groundwater prior to, during and on completion of the project and advised on foundations, slope stability and waste classification.

Client: Fitzpatrick