



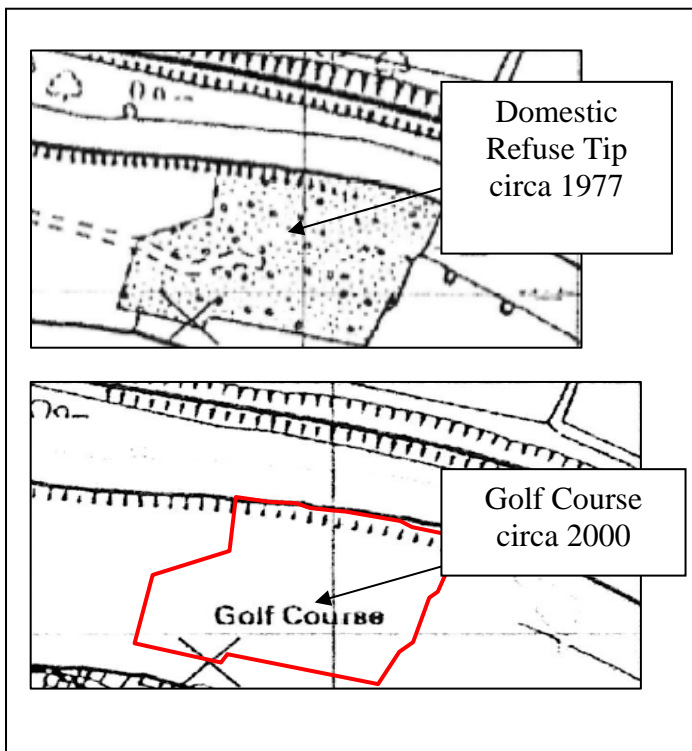
## PHASE 1 GEOENVIRONMENTAL DESK STUDIES

Guidance following BS14015:2001 developed and published by, amongst others, the Environment Agency, National House-Building Council and British Standards Institution (and often drawn upon by Local Authorities during Planning Applications) recommends a phased approach to site investigation.

Geotechnical Engineering Limited (GEL) offer a phased approach commencing with a Phase 1 Geoenvironmental Desk Study Assessment which pulls together information from a variety of sources, both statutory and non statutory, along with a site reconnaissance to develop an initial understanding and conceptual model of the site.

The Phase 1 desk study generally comprises the following elements:

- Establishment of the site location and setting (geology, hydrology and hydrogeology), its historical and current land-use, with historical maps and aerial photographs dating back to as early as the 1850s.
- Determination of potential contaminants associated with former /current land-uses from DoE industry profiles.
- Discussions with statutory and regulatory bodies dependent on the setting of the site.
- A reconnaissance/walkover of the site and surrounding environs to provide valuable additional information not identified within the databases searches and Regulatory Authorities such as identifying any restrictions that may delay any subsequent ground investigation or identify areas of the site that should be targeted during the ground investigation.
- Anecdotal information may also be provided by discussions with owners, site operatives, occupants or local residents.
- Formulation of a conceptual model (either textural or graphical) of the site, identifying potential sources of contamination, possible pathways and potential receptors, from which it is possible to identify a 'geoenvironmental risk rating' for the site and any potential pollutant linkages that would warrant further investigation.



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