



Geo-Environmental

# Crossrail MTR Route | Case Study

## Services Supplied on these Projects:

- Provision of a Construction Phase Plan, RAMS pack and Task Briefing presenting a risk assessment and method statement(s) specific to the proposed investigation.
- Attendance of a PTS qualified Geo-Environmental Engineer to log sixty-six hand dug inspection pits (excavated by others) down to 1.2m bgl, undertake in-situ testing (e.g. hand shear testing, Mexe Cone and DCP CBR) and logging of recovered soils from the exploratory holes.
- Provision of factual data from each location:
  - Harold Wood Railway Station
  - Brentwood railway station
  - Manor Park railway station
  - Gidea Park Railway Station
  - Romford Railway Station
  - Seven Kings Railway Station
  - Ilford Railway Station
  - Chadwell Railway Station
  - Goodmayes Railway Station
  - Forest Gate Railway Station
  - Maryland Railway Station

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Geo-Environmental Services Ltd was instructed by Invvu Construction Consultants Ltd, to undertake ground investigation supervision for 11 sites along the Crossrail MTR Route from Harold Railway Station through to Maryland Railway Station.

A series of trial holes were to be hand excavated by others to support the foundation design for the new signage. Geo-Environmental were required to log trial holes and potentially undertake shear vane testing and/or in-situ CBR testing.



On a project such as this, where engineers are working with contractor's personnel that they don't know, Health and Safety is of paramount importance.

All personnel attending site (whether working on specific tasks, or visiting) had to comply with the safe systems of work as set out in this RAMS document in order to achieve the H&S objectives.

All site personnel needed to attend a site induction be presented by our Site Engineer prior to commencing works on site. The RAMS document was used to provide the context and content of the site induction briefing. All site personnel were required to sign the site induction record to confirm that they understand and would comply with the context and content of the RAMS and site induction.

By undertaking the site induction in accordance with the RAMS document, the Site Engineer ensured co-operation between personnel on site.