



## CABLE PERCUSSIVE DRILLING

### INTRODUCTION

Cable Percussive (CP) drilling is one of the most traditional and common forms of drilling in the UK.

It is a very versatile method for drilling boreholes in superficial deposits - clays, sands and gravels and is also used for drilling in landfill material.



### CAPABILITY

The following can be carried out with cable percussion drilling: -

- Boreholes up to 50m depth
- Installation of monitoring wells up to 150mm diameter
- In - situ testing including : -
  - Standard Penetration Testing (SPT)
  - Down hole vane testing
  - Permeability testing
- Disturbed, undisturbed, bulk and water samples can be taken
- Access to restricted areas by using a cut down drilling rig
- Drilling diameters of 150mm, 200mm or 250mm

The driller will draw up a site log of the borehole. This is used as a guide only. From this and further logging of soil samples in the laboratory, a borehole record is drawn up by a Geotechnical Engineer. This forms part of the final report for the site.



The advancement of the borehole is achieved by sinking the drilling tools into the borehole, removing material and forming a borehole. The technique is used as both a geotechnical and geoenvironmental tool where soil samples taken can be tested for both physical and chemical properties.

### SITE SET UP

- 2 man crew - driller and 2<sup>nd</sup> man
- 4 x 4 vehicle to tow the drilling rig and carry all drilling tools

The Harrison Group uses cable percussive drillers who are self employed and contractually bound under agreement to ensure immediate availability and drilling work of a very high standard.

