

# UXO RISK MANAGEMENT

## SUPPORT TO SITE INVESTIGATION



## UXO RISK MANAGEMENT

### SUPPORT TO SITE INVESTIGATION

**Site investigation in areas where there is an identified UXO risk requires UXO support to ensure that trial pits, boreholes and window samples can be placed safely.**

PLANIT's approach focuses the UXO support to provide safe, individual locations for the site investigation, rather than unnecessarily surveying and clearing the whole area.

Dependant upon the surface ground conditions, PLANIT can utilise either non-intrusive or intrusive UXO survey techniques. The rationale differs slightly between the two approaches:

- **Non-intrusive Site Investigation Survey.** PLANIT conducts a non-intrusive UXO survey of up to a 10 x 10 metre box, centred on each of the proposed site investigation (SI) positions.

This will identify ferrous magnetic anomalies beneath each SI location, allowing them to be subsequently positioned safely. Below this depth, the likelihood that a borehole would encounter an item of UXO across its diameter is reduced to negligible.

- **Intrusive Site Investigation Survey.** PLANIT conducts an intrusive UXO survey either along or parallel to the axis of the proposed borehole or window sample, using either down borehole UXO survey or cone penetrometry. This will identify whether there are any potential items of UXO along the proposed axis, that would require it to be realigned.

As with ordinary UXO survey, non-intrusive support takes less time than intrusive and so is more cost effective when it can be used. It is important to assess both the detection depth required on your site (i.e. the deepest depth that UXO will be encountered) and whether ferrous contamination will adversely limit any non-intrusive UXO survey.

An on-site assessment using the actual survey equipment will quickly identify the suitability of the equipment which will be completed free as part of our solution development.