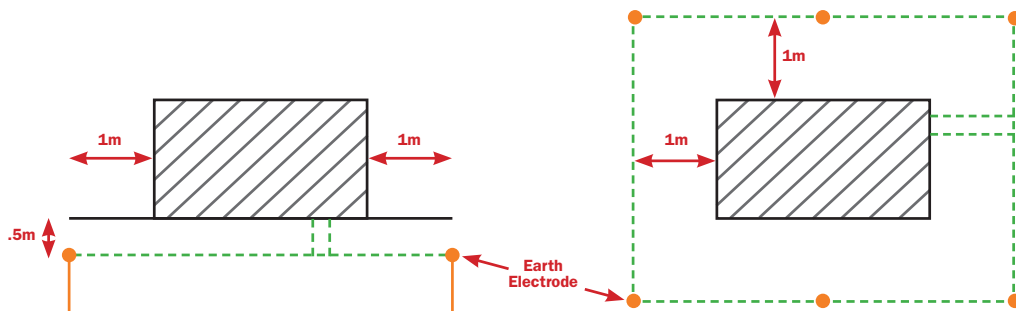


Beware of Earth Grids

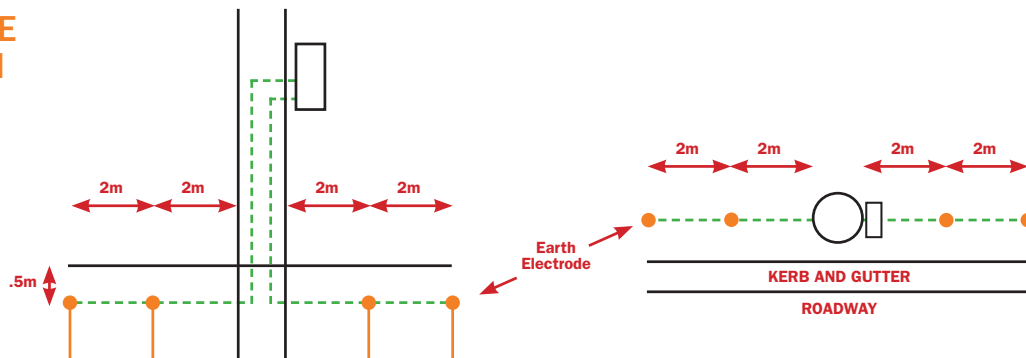


- > Essential Energy's overhead and underground electrical distribution assets have earth grids buried approximately 0.5m below ground in their immediate vicinity. The earth conductor may or may not be covered with warning tape/barrier.
- > These buried grids consist typically of horizontal bare copper conductors and vertical electrodes and are not shown on a **Dial Before You Dig** enquiry.
- > For this reason, all excavation work in the immediate vicinity of Essential Energy electrical assets should be by hand.
- > Examples of typical earth grid layouts are shown below, however there are many historical variations to these, some extending considerable distance from the pole or padmount.
- > **IMPORTANT**- If an earth grid is damaged or broken- do not attempt a repair but immediately contact Essential Energy on **13 20 80**.
- > The high voltage earth grid associated with a Single Wire Earth Return (SWER) network is particularly hazardous as it carries high voltage load current.
- > If you are planning excavation work in the vicinity of a pole substation or padmount substation, contact Essential Energy on **13 23 91** to arrange a cable location.
- > All general enquiries may be directed to Essential Energy on **13 23 91**.

PADMOUNT



URBAN POLE SUBSTATION



RURAL SWER SUBSTATION

