

ASSET MANAGEMENT BROCHURE  
Soil Resistivity and Earth Testing



# SOIL RESISTIVITY & EARTH TESTING

Effective earth grounding is essential for grounded AC and DC electrical equipment and distribution systems. Effective grounding provides the level of safety required to protect personnel and equipment from shock and fire hazard.

Some of the basic requirements of an effective ground system include:

- Limits voltage in a electrical distribution system to definite fixed values.
- Limits voltage to within insulation ratings
- Provides a more stable system with a minimum of transient over voltage and electrical noise.
- Provides a path to ground in fault conditions for quick isolation of equipment with operation of ground fault protection.
- Provides grounding of all conductive enclosures that may be touched by personnel, thereby eliminating shock hazards.
- Reduces static electricity that may be generated within facilities.
- Provides protection from large electrical disturbances (such as lightning) by creating a low resistive path to earth.

H&MV Engineering has trained specialists who perform earth testing and soil resistivity testing and furnish a report with recommendations, for more information or quotes please contact us.

