



## Scanning Orlando Towers, Soweto

**Site:**  
Orlando Towers, Soweto

**System:**  
GPR (Ground Penetrating Radar) LMX 200 with GPS.

**Situation:**  
ORSCO was appointed to conduct GPR (Ground Penetrating Radar) survey to locate any possible underground structures prior to new development.

**Solution:**  
ORSCO used a LMX 200 Ground Penetrating Radar from Sensors & Software to conduct the survey. The LMX 200 is equipped with 250 MHz antenna and Topcon GPS system. Scanning area was divided into 2 grids.

Grids were collected with line spacing of 0,5 meters each. GPR grid survey depth was set to 8 meters penetration. Quality of the GPR data was good. Velocity used to calibrate depth of penetration was adjusted to 0,120 m/ns. Data was processed using Ekko Project Software.

The processed GPR data revealed the following:  
Two linear features were identified and superimposed onto Google Earth.

The first linear feature was identified as a pipe line. The second one are old railway tracks not visible from the surface. A few unknown structures are also visible on deeper GPR slices not presented in this document.

