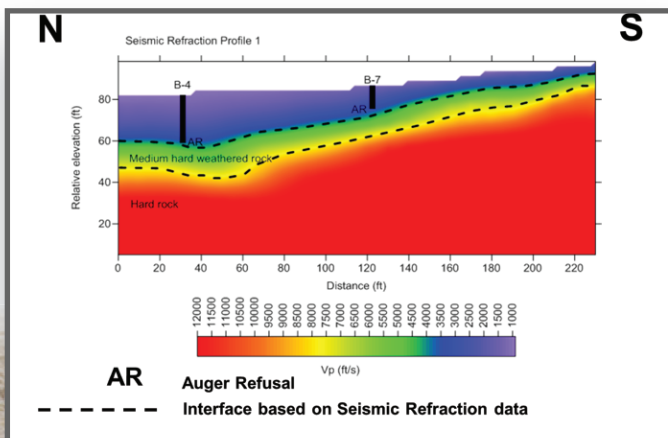


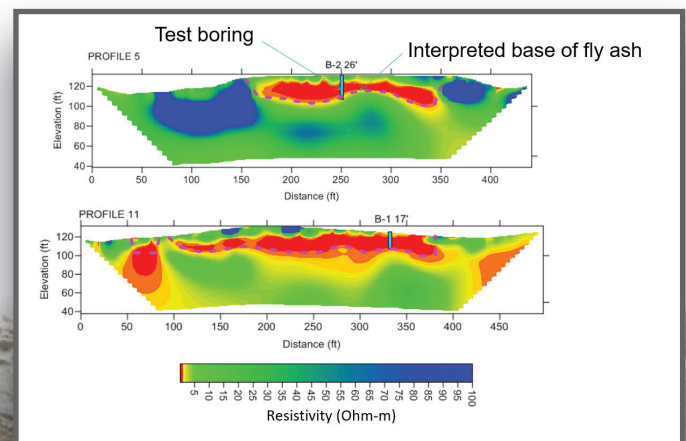
GEOPHYSICAL MAPPING AND PROFILING



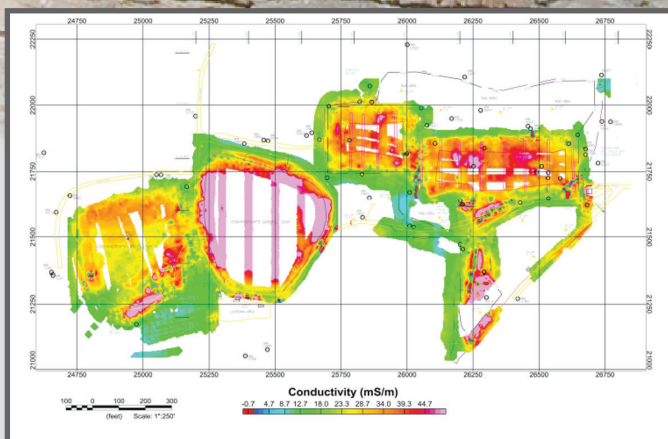
Geophysical methods can provide fast continuous information at a low cost when compared to conventional drilling and excavation. Site specific interpretations can be made between existing geotechnical borings or aid in the placement of borings and monitoring wells. Geologic studies, construction planning, environmental and geotechnical projects are just a few of the applications in which geophysical information has proven to be invaluable. Having subsurface data readily available avoids costly mistakes, minimizes delays and increases safety.



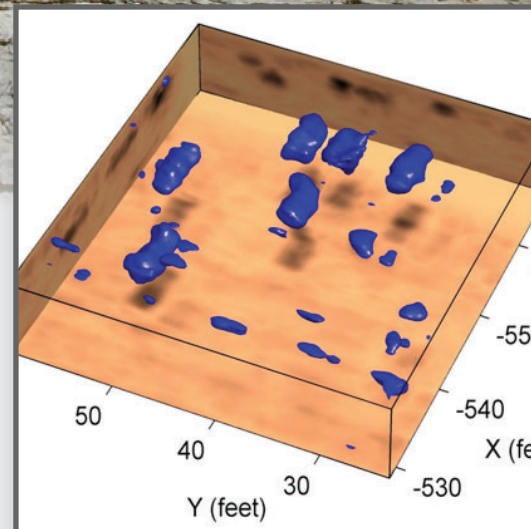
Boundaries of soils, partially weathered rock and unweathered rock captured by refraction seismics. Geophysical profiles were correlated with geotechnical borings to provide the client with a comprehensive understanding of the site.



Electrical resistivity profiles were paired with geotechnical boring logs to interpret the thickness of fly ash.



Example of an electromagnetic contour map of landfill boundaries. Oranges to reds indicating areas of conductive soils (landfill) and metallic buried objects.



3D GPR array image of cemetery vaults (larger blue anomalies). Smaller blue anomalies are headstones and rocks.