

Project no: 2020_06_3971
Phase A & B
Melkhoutsfontein Cemetery Expansion
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Vertical burials

From a geotechnical perspective:

Vertical burial depths are achieved by machine augering a hole that is at least 700 mm in diameter to a depth of 3 m. These parameters will be difficult to meet as the entire site is classified as having a calcrete layer near the surface. It is therefore believed that vertical burials are not a viable option at this site.

From a groundwater perspective:

The number of groundwater users surrounding the cemetery is high, including potential groundwater use for municipal supply. Groundwater levels were measured at 2.6 to 2.9 mbgl near the cemetery, coupled with the presence of naturally occurring springs suggest that the groundwater resource would be at a higher risk should burials exceed 2.0 m.

Yours sincerely



Charl Muller
Project Hydrogeologist