

# Exemption from a Phase 1 Archaeological and Palaeontological Impact Assessment for Proposed new township establishment on the Remainder of Portion 1 of the Farm Tredenham 2153, Bloemfontein District, Free State Province\*.

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Site: Remainder of Portion 1 of the Farm Tredenham 2153.

Map Ref.: 2926 AA Bloemfontein

General Site Coordinates:

A) 29° 2'49.46"S 26°13'48.57"E

B) 29° 2'51.41"S 26°13'54.19"E

C) 29° 3'0.24"S 26°13'47.68"E

D) 29° 2'56.04"S 26°13'42.85"E

E) 29° 3'4.10"S 26°13'36.17"E

F) 29° 3'12.50"S 26°13'39.97"E

MDA Environmental Consultants requested an archaeological and palaeontological assessment for a proposed new township development outside Bloemfontein (**Fig.1-2**). The access road to the site as well as the area demarcated for residential development is located on Jurassic dolerite bedrock that is capped by a thin mantle of residual soils and indigenous vegetation (**Fig. 3 - 5**). The area to the south of Tredenham is known for its previously recorded military structural remnants dating back to the Anglo Boer War and its aftermath (**Fig. 6**). However, following a walk-through of the proposed township area, it was established that potential archaeological impact resulting from the proposed development will be negligible. There are no indications of prehistoric structures or rock art within the footprint area. There is also no evidence of informal graves or historical structures older than 60 years within the confines of the footprint. It is also recognized that the soil overburden (residual deposits) as well as the underlying dolerite bedrock at the site is palaeontologically insignificant.

It is recommended that the proposed development is exempted from a Phase 1 archaeological and palaeontological impact assessment.

Yours truly,



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\* Report prepared for MDA Environmental Consultants, 9 Barnes Street, Westdene, Bloemfontein.

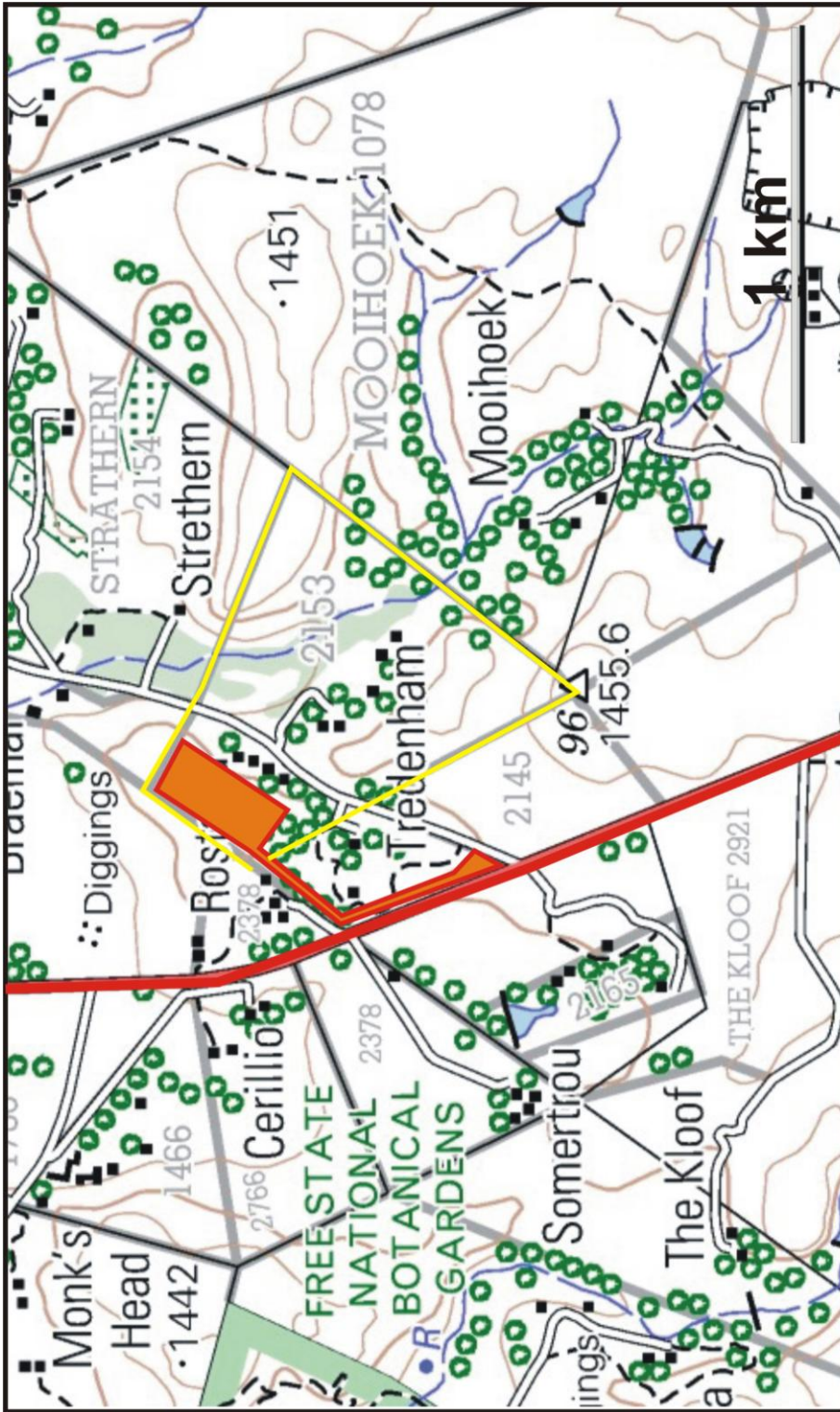


Figure 1. Farm Tredenham 2153 (yellow line) and study area (orange fill).  
 1:50 000 scale topographic map 2926 AA Bloemfontein.



Figure 2. Aerial view of the affected area.

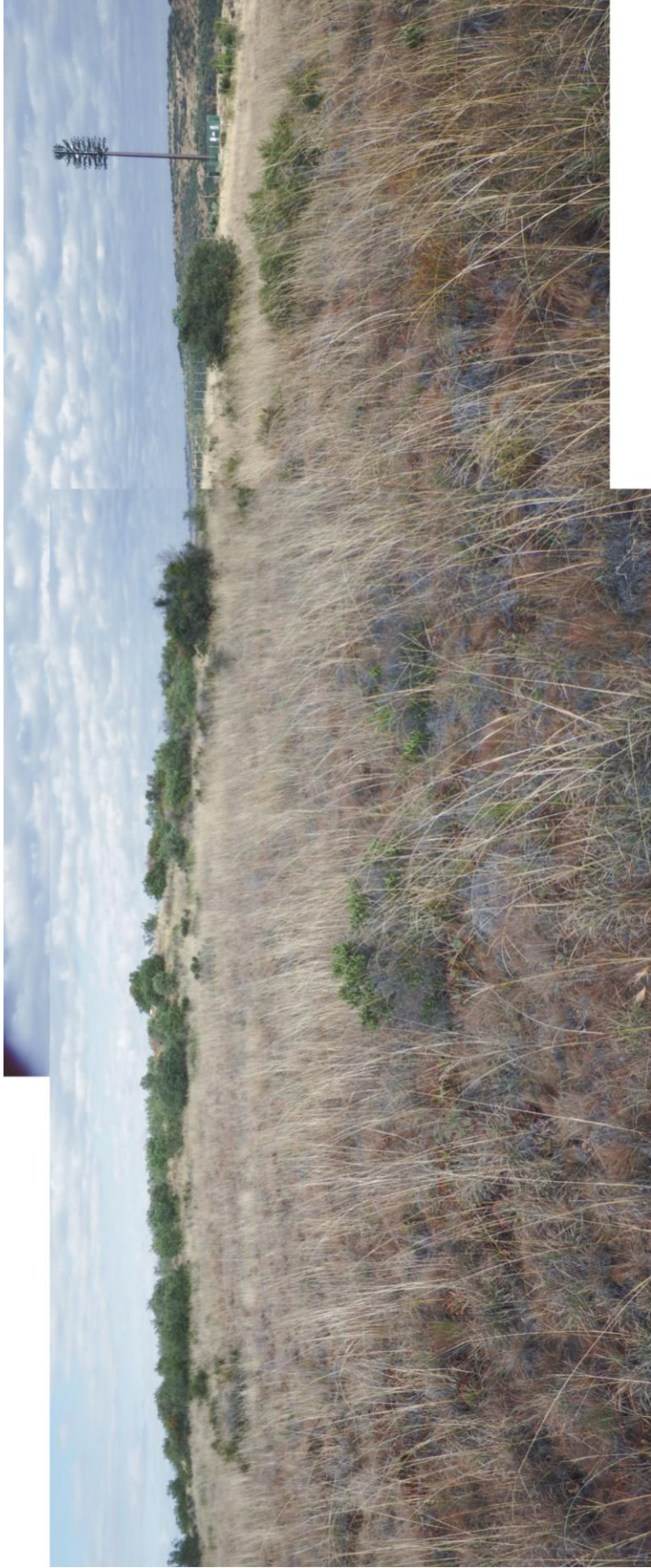


Figure 3. Panoramic view of the affected area, looking south.



Figure 4. Crest of the dolerite outcrop, looking east.

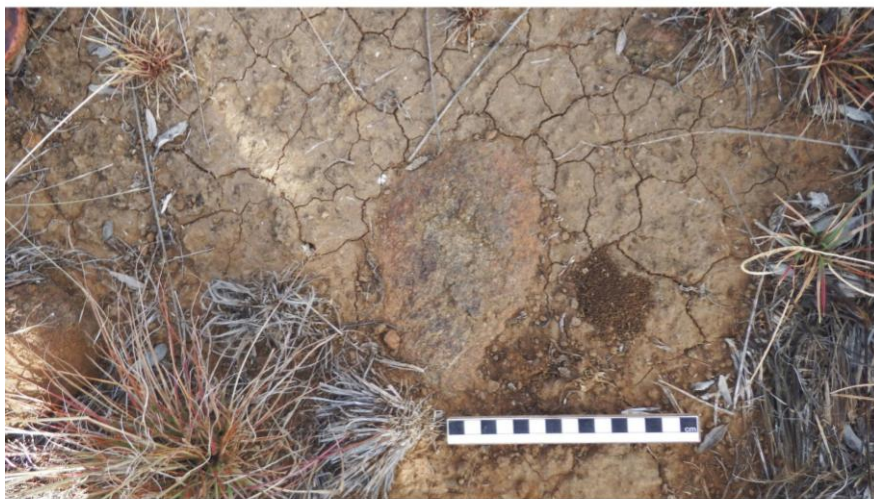


Figure 5. The terrain is capped by a thin mantle of residual soils, covered by grass and indigenous vegetation.

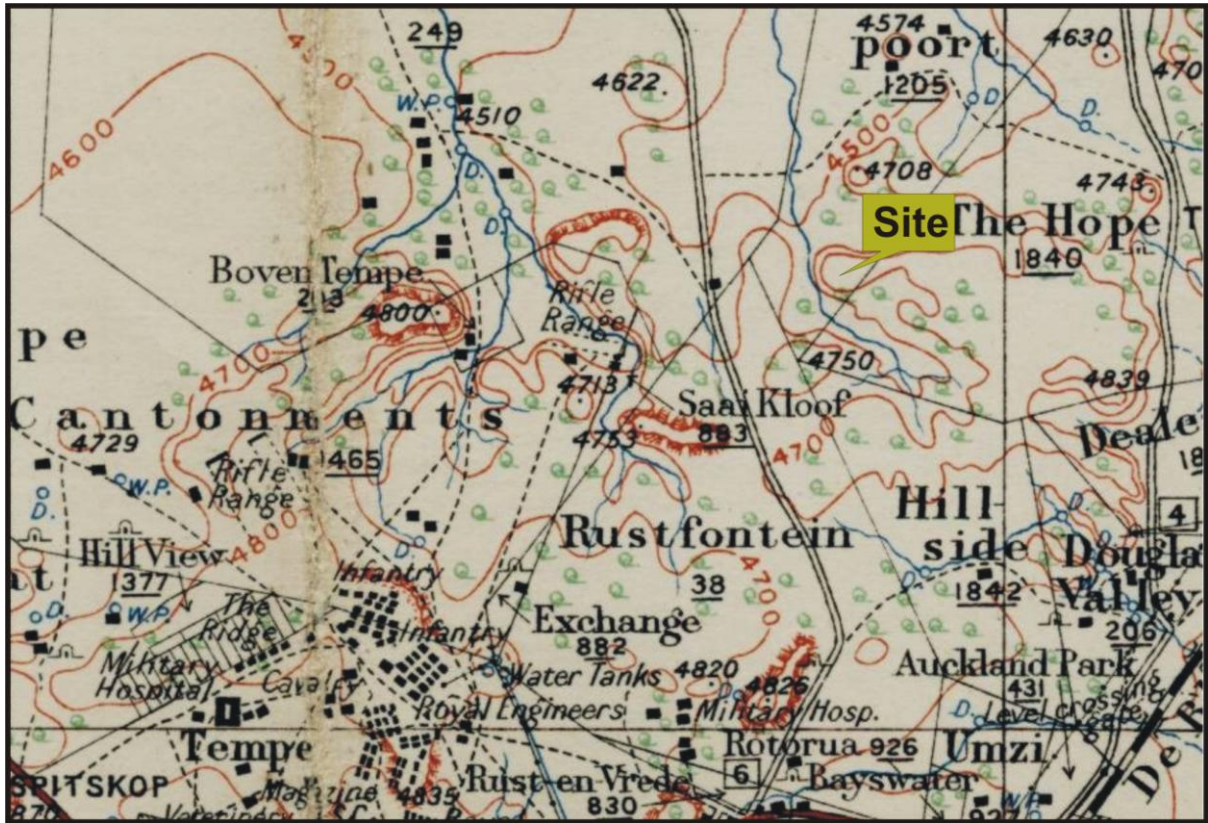


Figure 6. British military map (circa 1913) of the area north of Bloemfontein, showing a high concentration of military installations just south of the study area .