## Exemption from Phase 1 Heritage Impact Assessment: Proposed new aboveground Diesel Depot on Plot 1/42 Estoire, Bloemfontein Free State Province.

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Site: Plot 1/42 Estoire, Bloemfontein

District: Bloemfontein

Map Ref.: 2926AB Maselspoort

Proposed development calls for an aboveground diesel depot on Plot 1/42, Estoire in Bloemfontein (Fig. 1 & 2; Table 1).

The site is located in Sand du Plessis Avenue (**Fig. 3**). The Estoire residential smallholdings have been established more than sixty years ago, but many of the original residential structures have been replaced by commercial and industrial properties (**Fig. 4**). The affected area is covers 2ha of degraded land, containing several modern commercial building structures (**Fig. 5**). No historically significant building structure older than 60 years of age is present at the site. Existing roads already provide access to the site.

The proposed development will take place on land formerly altered by modern industrial / commercial activities. Potential archaeological impact at each of the proposed site is considered to be non-existent.

Underlying geology at the site consists of potentially fossil-bearing Karoo Supergroup strata (Beaufort Group, Adelaide Subgroup, K3l) (**Fig. 6**). Superficial sediments are made up of residual soils of varying depth that are not considered to be palaeontologically significant in this case. The likelihood of palaeontological impact on bedrock sediments underneath the degraded overburden is considered to be extremely low given latter's overall depth, the low topography terrain and the fact that no subsurface development is planned for this project.

It is recommended that the proposed development is exempt from a Phase 1 Heritage Impact Assessment.

## References

Johnson *et al.* 2006. Sedimentary rocks of the Karoo Supergroup. In: M.R. Johnson, *et al.* (eds). The Geology of South Africa. Geological Society of South Africa, pp. 461 – 499.

Table 1. Site coordinates.

	Coordinates	
А	29° 6'40.13"S	26°16'7.53"E
В	29° 6'38.50"S	26°16'15.62"E
С	29° 6'41.49"S	26°16'16.45"E
D	29° 6'43.18"S	26°16'8.34"E

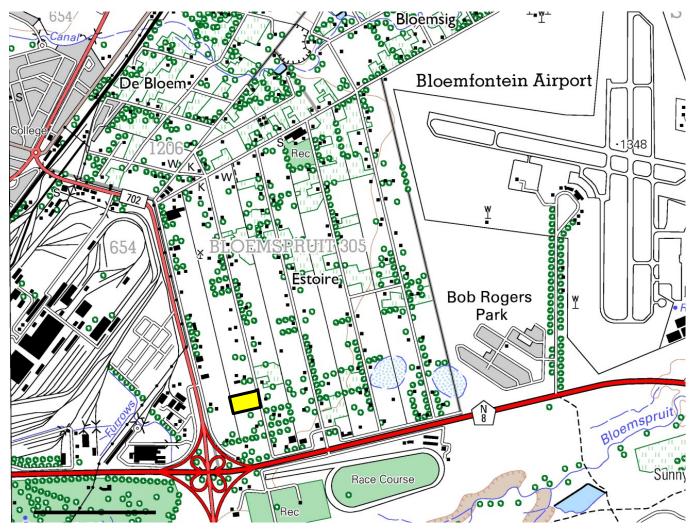


Figure 1. Map of the study area (yellow rectangle) marked on portion of 1:50 000 scale topographic map 2926AB Maselspoort).

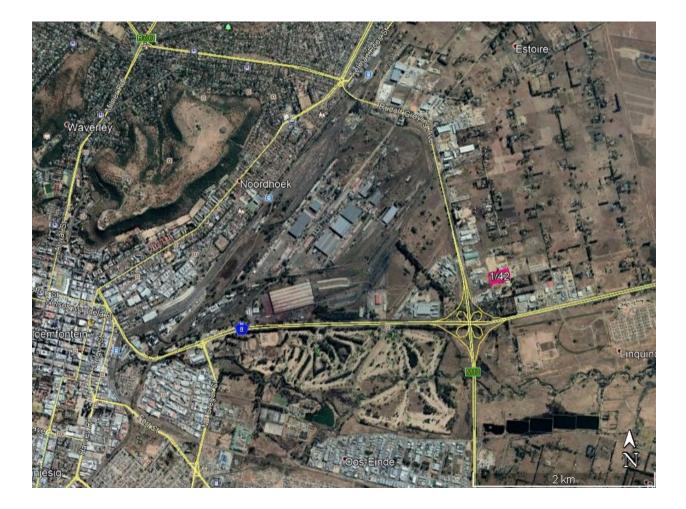


Figure 2. Aerial view of the locality.



Figure 3. Aerial view and layout of the study area.

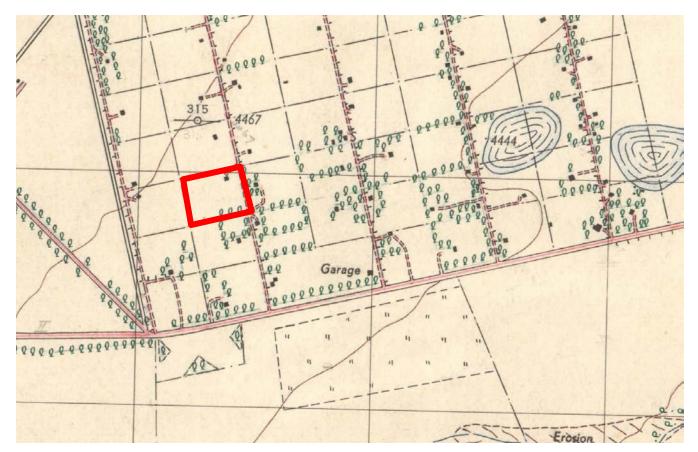


Figure 4. Historical map showing study area marked on portion of 1:18 000 scale topographic map ca. 1941.



Figure 5. General view of the site.

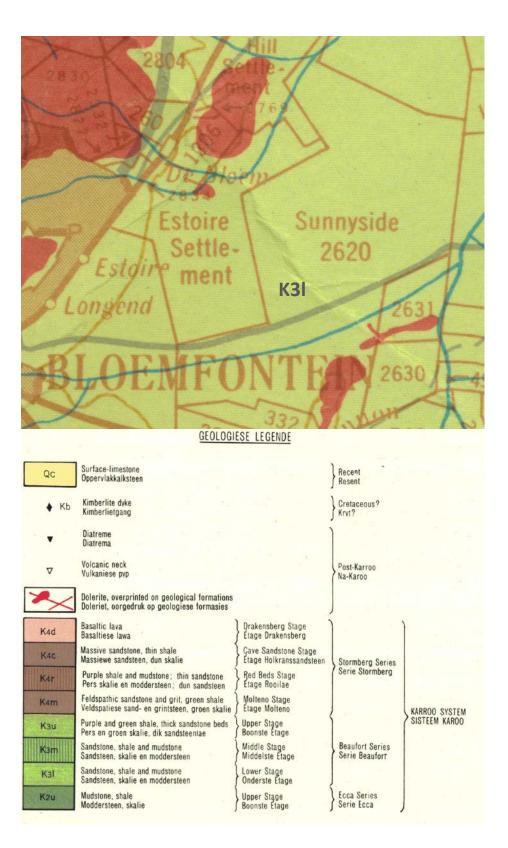


Figure 6. Underlying geology at the site consist of potentially fossil-bearing Beaufort Group (Adelaide Subgroup) strata (*K3l*)