

Exemption of a Phase 1 Heritage Impact Assessment for a proposed new township establishment on the farm Avonmore no. 1951, Bainsvlei, Bloemfontein, FS Province.

Site: Farm Avonmore no. 1951

District: Bloemfontein

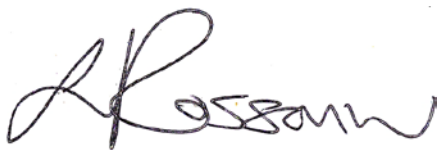
Map Ref.: 2926AA Bloemfontein

The establishment of a new residential development on the farm Avonmore 1951, is planned on an 8 ha area of land, located about 5km northwest of Bloemfontein, and next to the R64 provincial road bound for Dealesville (**Fig. 1 & 2; Table 1**). Underlying geology at the site consist of potentially fossil-bearing Beaufort Group (Adelaide Subgroup) strata (*Pa*) capped by well-developed residual soils and Quaternary wind-blown sands to the south and palaeontologically sterile dolerite outcrop (*Jd*) to the north (**Fig. 3**). A brief foot survey of the area indicates that the superficial overburden has been degraded by recent agricultural and construction activities (**Fig. 4 & 5**). Historical maps of the area dating back to as recent as 1951 show no evidence of buildings, homesteads or associated structures on the property (**Fig. 6 & 7**).

Potential archaeological impact within the proposed development area is considered to be non-existent. The likelihood of palaeontological impact on bedrock sedimentary strata and overlying superficial overburden is considered to be low to extremely low, respectively.

It is recommended that the proposed development is exempt from a Phase 1 Heritage Impact Assessment, but with the proviso that potential exposure of fresh / unweathered sedimentary bedrock that may result from, for example, digging of > 1 meter deep trench excavations during the construction phase of the development, is monitored for *in situ* fossil material..

Yours truly,



Dr Lloyd Rossouw
Archaeological Impacts Unit
National Museum Bloemfontein
Tel. 051 4479 609
Cell. 0842505992
lloyd@nasmus.co.za

***Report prepared for MDA Environmental Consultants, PO Box 20298, Willows 9320 Bloemfontein 9301**

Table 1. Site coordinates (marked on the aerial photograph in Figure 6).

Boundary #	Coordinates	
A	29° 4'11.84"S	26° 9'1.66"E
B	29° 4'14.85"S	26° 9'5.79"E
C	29° 4'29.31"S	26° 8'52.14"E
D	29° 4'26.83"S	26° 8'48.38"E

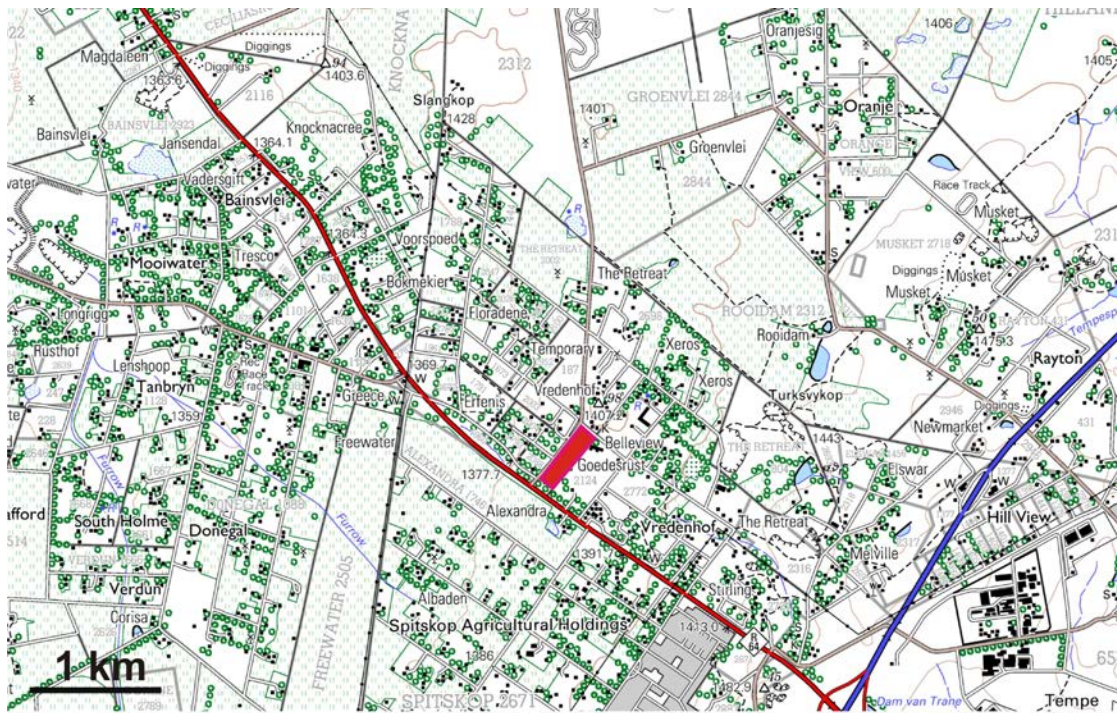


Figure 1. Map of Avonmore 1951 (Portion of 1:50 000 scale topographic map 2926 AA Bloemfontein).

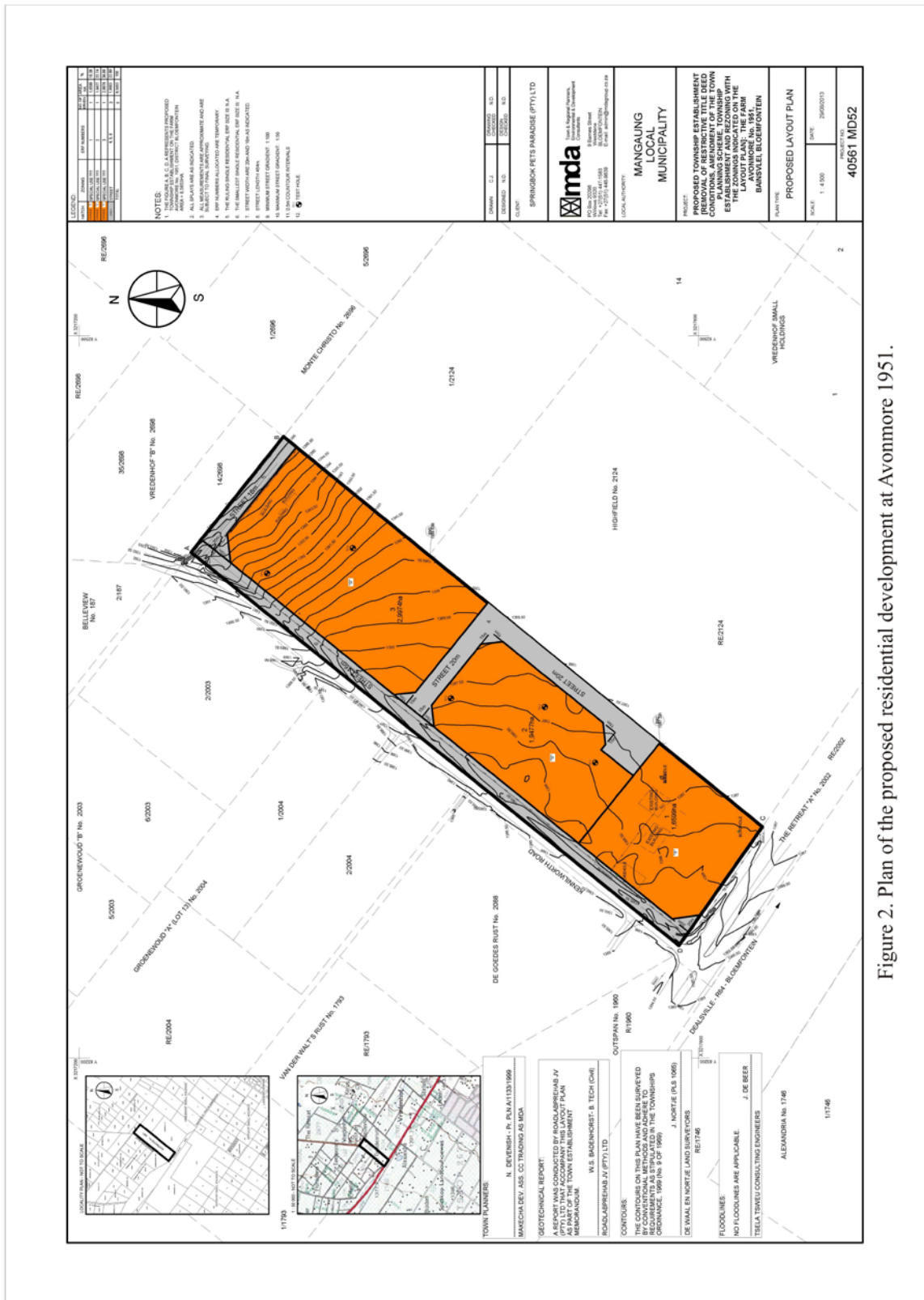


Figure 2. Plan of the proposed residential development at Avonmore 1951.



Figure 3 The SAHRIS palaeosensitivity map (top) indicate that Avonmore 1951 is located within an outcrop area of the palaeontologically significant Adelaide Subgroup, *Pa* (below; portion of 1;250 000 scale geological map Bloemfontein 2926).



Figure 4. General view of the terrain, looking southeast (top) and northeast (bottom).



Figure 5. Modern structures are located near the southern (top) and northern boundary (center & bottom) of the site.

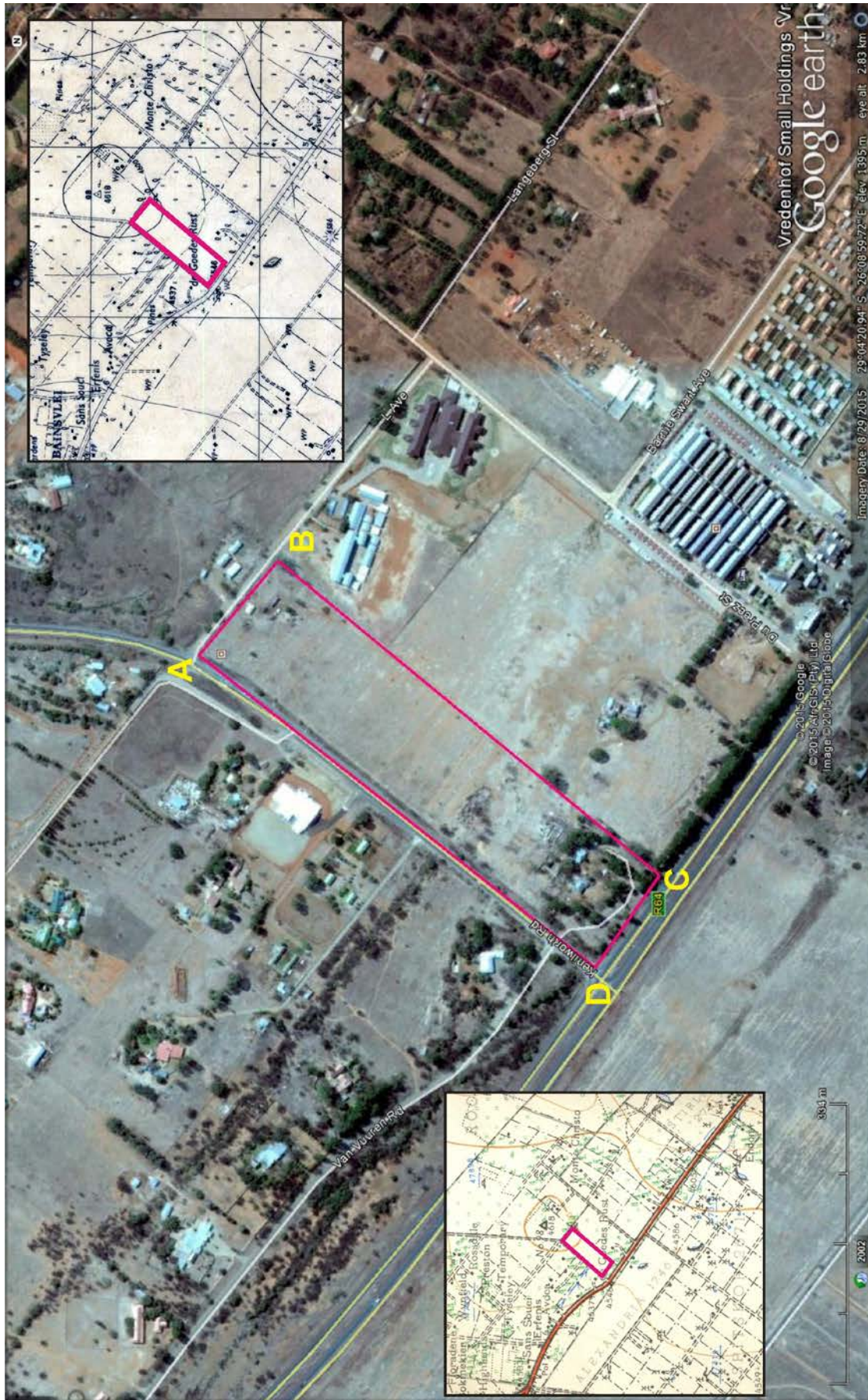


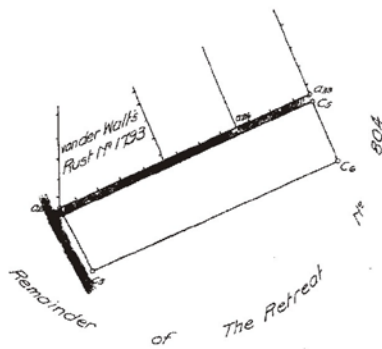
Figure 6. Aerial view with historical topographic maps ca. 1948 (top right) and 1951 (bottom left) of the area.

SUBDIVISIONAL SURVEY

FOR DEED OF TRANSFER. N^o 4791/1918

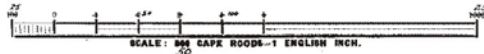
No. 582 N. dated 3. 10. 18
Examined and Approved according to Ordinance No. 16, 1903.

W. Kruger
Surveyor-General



This farm is not subject to right of riparian.

Data of Curvilinear Boundaries	
Coordinates	
Y	X



Angles.	Sides.
C1 90.00 50	C1C2 38.00
C2 89.40 30	C2C3 158.48
C3 94.07 00	C3C4 37.22
C4 86.11 40	C4C1 160.34
CONNECTING DATA	
C2C3 90.0 50	A 03
C3C4 89.59 10	A 04
C4C1 93.48 20	161.21
C1C2 86.11 40	47.95

The above Figure C₁. C₂. C₃. C₄ C₅ represents 10 morgen 0 roods, situate in the District Bloemfontein, Ward Koolspruit being the farm named Avonmore N^o 1951 being portion of the farm The Retreat N^o 804 Owned by W. Ehrlich. According to

Co-ordinates.	
Y	X
C ₁ + 620.96	- 1105.29
C ₂ + 596.92	- 1075.66
C ₃ + 720.23	- 976.30
C ₄ + 745.63	- 1003.51
CONNECTING DATA	
C ₂ C ₃ + 623.51	- 1108.41
C ₃ C ₄ + 748.39	- 1006.46

DEDUCTED
11 OCT 1918
JA

Rect. Area =	Morgen	Sq. Roods.
Curv. " =	"	"
Total " =	"	"

This diagram was deducted from the original this day of

By me, Surveyor-General.

Surveyed by me for transfer to *K. V. Kruger*
A. Johnson
Government Land Surveyor.
Aug. 1918.
FP-1A
BLOEMFONTEIN 1918

Figure 7. The 1918 Transfer Deed for Avonmore 1951.