

**ARCHAEOLOGICAL ASSESSMENT REPORT
FOR SUBDIVISION REMAINDER AND
PORTIONS 2/4 AND 3/4 RAYTON,
BLOEMFONTEIN DISTRICT, FREE STATE,
SOUTH AFRICA**

**REPORT FOR BOPA LESEDI MANAGEMENT
CONSULTANTS**

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EXECUTIVE SUMMARY

The area of the proposed townhouse development was surveyed on foot. No sites were discovered within the surveyed area. No further actions in terms of the cultural heritage of the surveyed area are deemed necessary.

Background information on the project

This assessment was requested by Bopa Lesedi Management Consultants.

Consultant:	Bopa Lesedi
Terms of reference:	To carry out an Archaeological Impact Assessment
Legislative requirements:	The Heritage Impact Assessment was carried out in terms of the National Environmental Management Act and following the requirements of the National Heritage Resources Act no. 25 of 1999.

Details of area surveyed

Locational Data:

Map reference:	2926AA
Province:	Free State
Magisterial district:	Bloemfontein
Farm:	Rayton
Footprint:	c 210 m x 210 m = 4.41 ha

Methodology:

The area was searched on foot by a team of five people on Friday 13 July 2007. All observations were recorded by means of a GPS. No sampling was undertaken, and the report is based on a visual inspection of the area. All animal burrows, footpaths and any other ground disturbance, including a soccer field and a pipeline, were examined for traces of subsurface material.

Details of equipment used in the survey:

GPS: Garmin etrex Summit (5m accuracy)
Digital camera: Sony cybershot

Restrictions encountered during the survey:

Visibility of the surface of the ground was reasonable for most of the surveyed area, apart from an area along the western section of the property, which had been used for dumping earth and building rubble.

Disturbance of the surface of the property had occurred in several places. The most evident disturbance was the soccer field, which had been scraped, in the middle of the property (see map). The soccer field is apparently in regular use. It was constructed within the last year (information from local people consulted varied) with the use of a bulldozer.

Other disturbance consists of a pipeline, two roads and various paths across the property. All these areas were checked for subsurface indications of archaeological material, but no material was observed.

Description of area surveyed:

Current land use: a soccer field has been constructed in the middle of the property (see map). The rest of the property has been used to dump rubbish, or has been left as open veld.

The area was grassland, with sandy soil, but is now severely disturbed. No rock outcrops were observed.

Known sites in the area

No known sites have been recorded in the immediate vicinity of the property.

The property does, however lie within the corridor between the Tempe military camp and the area now known to have been part of military activity during the South African War (Henderson 2004). However, no artefacts relating to military activities were found on the property.

The greater area is also known for Middle Stone Age material (Henderson 2004).

Description of sites and material observed

Description of sites:

No sites were found in the area surveyed.

However, five hollows were observed clustered together (see map). These hollows are now filled with rubbish, and vary in depth. Three of the hollows have an associated iron pole or fence post. Almost all of them have associated broken asbestos roof sheeting or corrugated iron. The rubbish is all relatively recent. The hollows were probably associated with farm worker houses in the area. One of the hollows may have been an outside toilet. The hollows relate to human activity in the area during the recent past (less than 60 years), and are of no heritage significance.

Description and distribution of archaeological material found:

Three stone artefacts were found on the surface, all out of context. One was an irregular core found near to the entrance to the property, and two were flakes, one on the northern side, and one against the western fence of the property. All artefacts were of the same raw material. The core was probably of Middle Stone Age origin.

Lithic:	Description:	Location:
Core	Weathered, Irregular	Western end of southern road
Flake	Weathered, Indeterminate Platform	Midway of western border surveyed area
Flake	Weathered, Plain Platform, Chunky	East

Statement of Significance (Heritage Value)

The significance of the artefacts described above is low, as the artefacts are not in situ, and are not diagnostic.

Field Rating

The three artefacts found were not in situ, and no patterning in the distribution could be determined. The hollows observed relate to recent human activity (ie less than 60 years).

As there are no sites in the area surveyed, no field rating is required. See recommendations below.

Risk preventative measures associated with construction

No measures are required during construction.

Recommendations

The recommendations are therefore that the proposed development on subdivision remainder and portions 2/4 and 3/4 Rayton may proceed.

NOTE: Should the developer encounter any heritage resources, not reported on in this document, and as defined and protected by the NHRA (1999) during the course of development, the developer should immediately cease operation in the immediate vicinity and report the site to SAHRA or an ASAPA accredited CRM archaeologist.

Reference

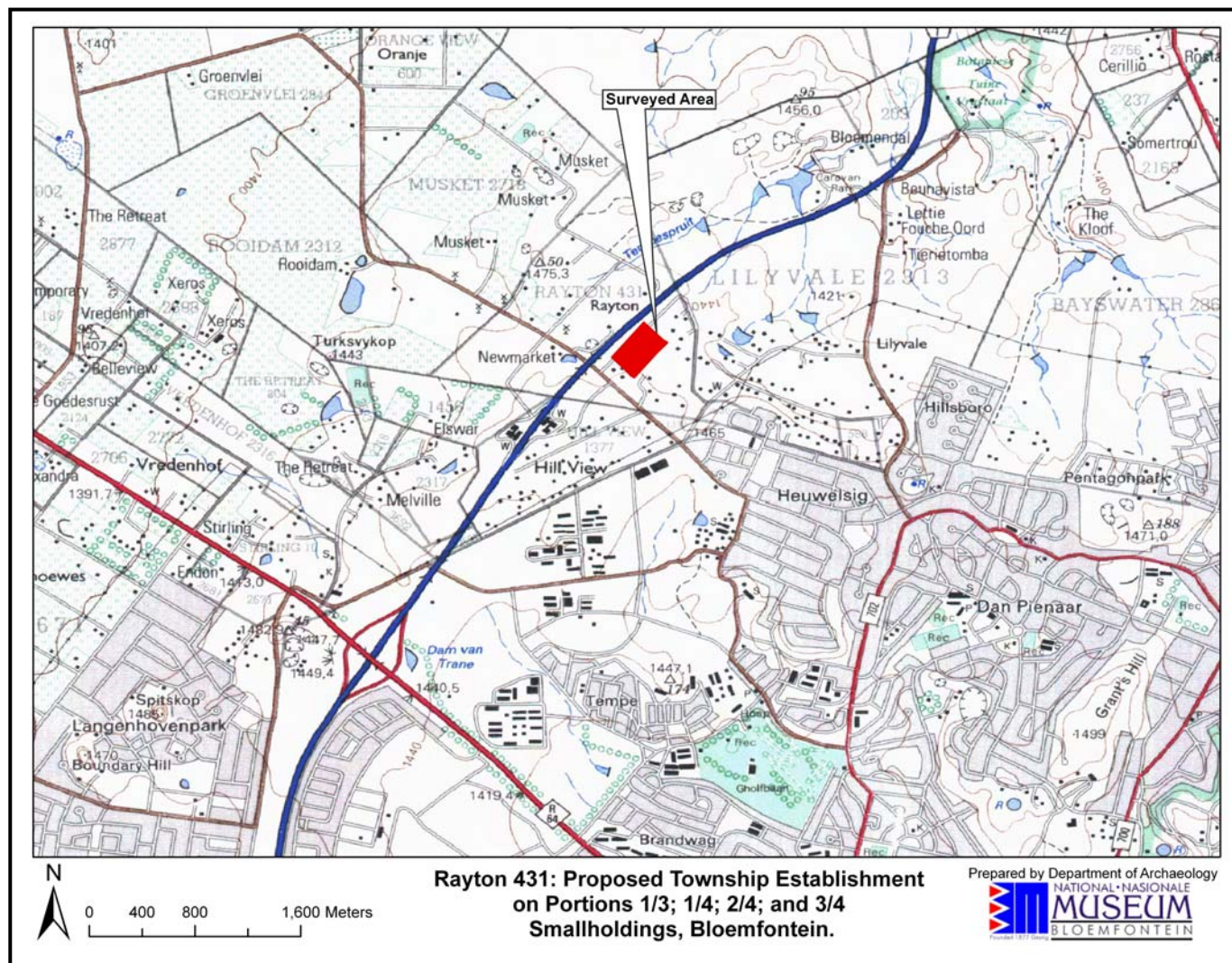
Henderson, Z.L. 2004. Report on the Archaeological Survey of subdivision 7, remainder and portion of subdivision 25, of the farm Lilyvale 2313, Bloemfontein. Unpublished document, lodged with SAHRA and the National Museum.

Terms used

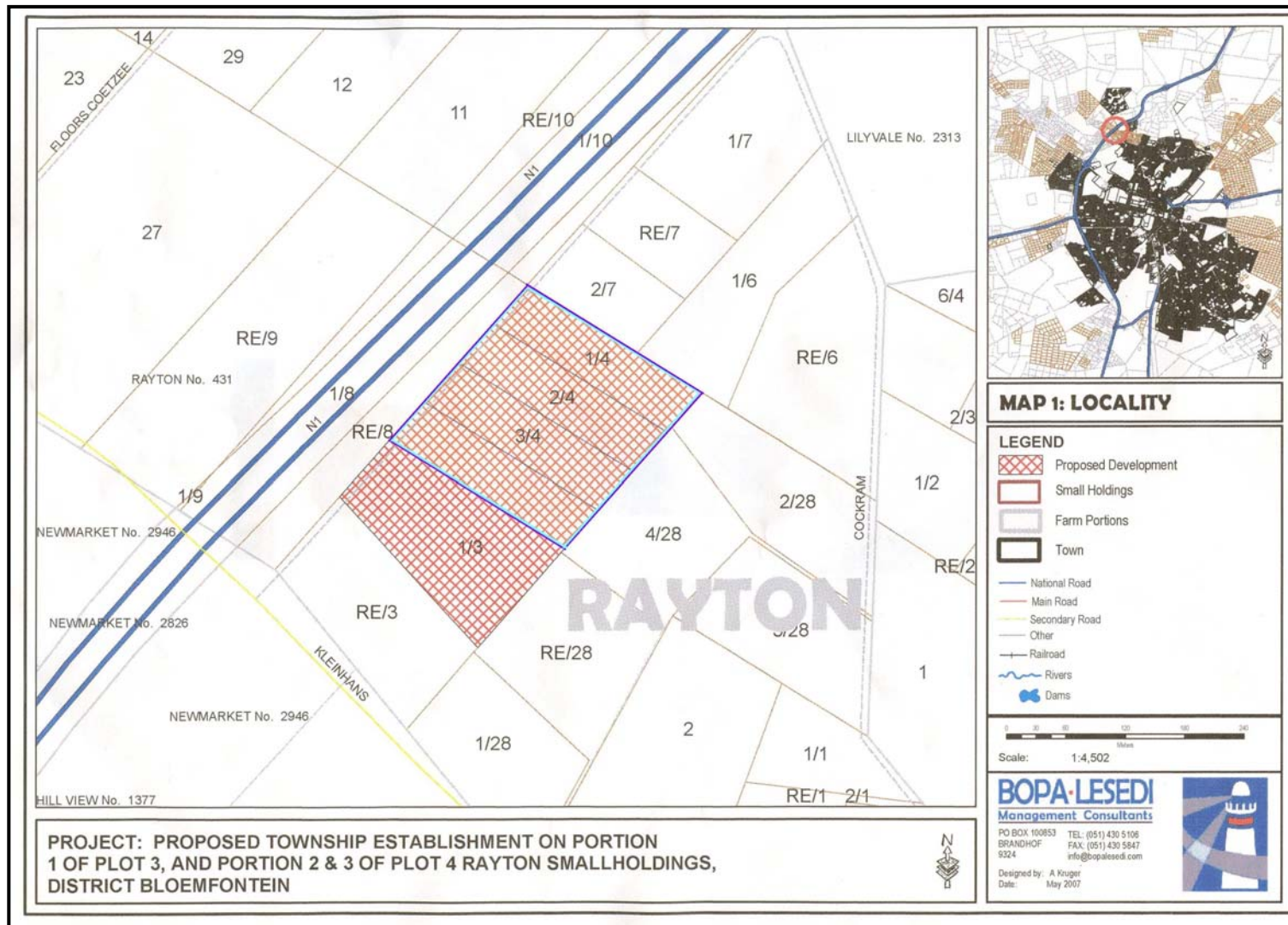
Middle Stone Age: this is an archaeological term used to refer to a time period dating to between 250 000 and 25 000 years ago.

Legend to Maps:

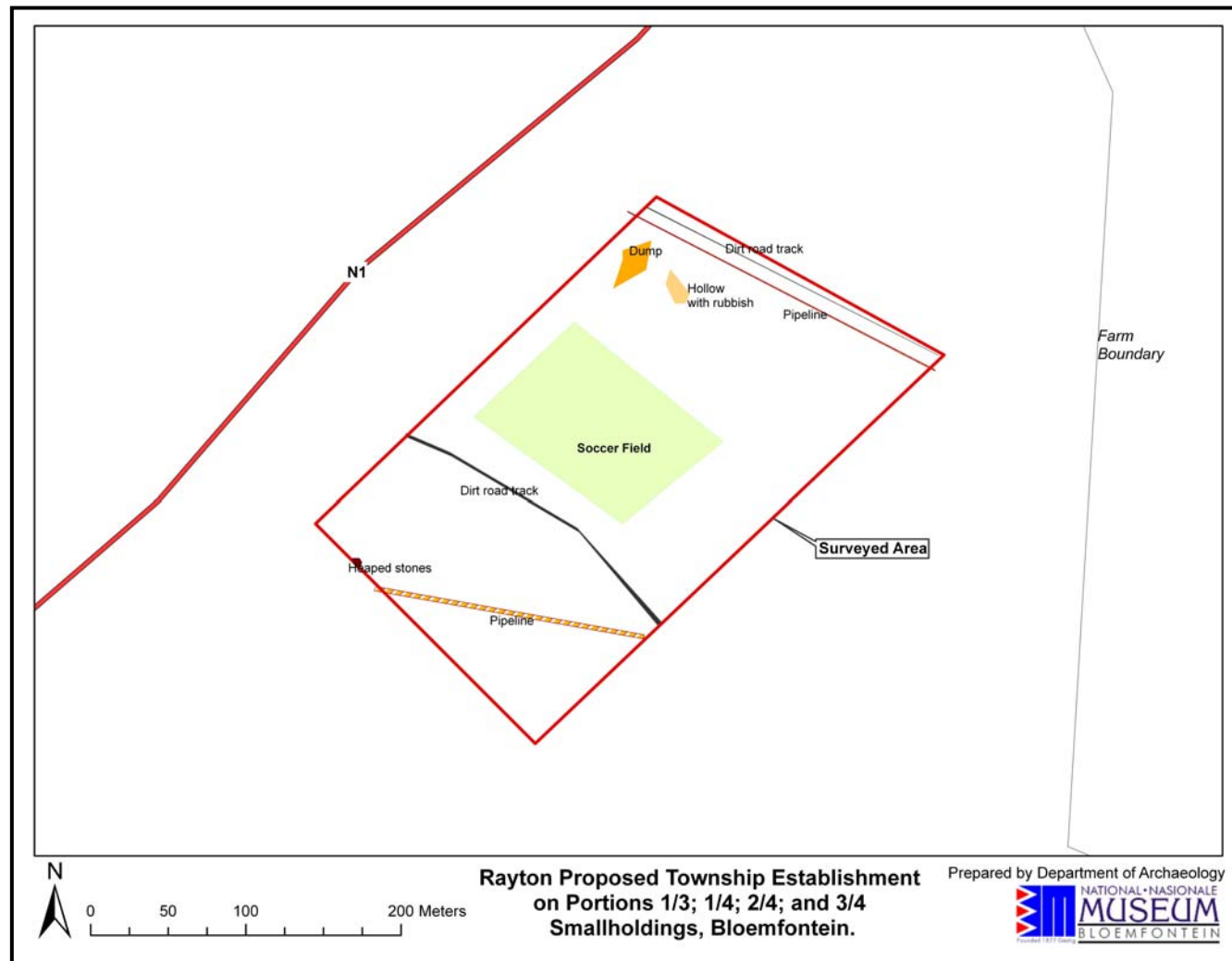
Description	Way Point Number	South	East
NW corner of surveyed area	WP01	29°04'05.3"	26°11'22.0"
Dump	WP02	29°04'06.4"	26°11'21.3"
Dump	WP03	29°04'06.3"	26°11'21.6"
Dump	WP04	29°04'06.2"	26°11'21.9"
Dump	WP05	29°04'06.8"	26°11'21.8"
Dump	WP06	29°04'06.6"	26°11'21.3"
Dump	WP07	29°04'07.2"	26°11'21.1"
Hollow with rubbish	WP08	29°04'07.3"	26°11'22.7"
Hollow with rubbish	WP09	29°04'07.5"	26°11'22.6"
Hollow with rubbish	WP10	29°04'07.5"	26°11'22.4"
Hollow with rubbish	WP11	29°04'07.1"	26°11'22.2"
Hollow with rubbish	WP12	29°04'06.8"	26°11'22.3"
Two track dirt road in north (W end)	WP13	29°04'05.5"	26°11'21.8"
Soccer field (NW)	WP14	29°04'07.9"	26°11'20.3"
Soccer field (SW)	WP15	29°04'09.9"	26°11'18.2"
Two track dirt road in south (W end)	WP16	29°04'10.3"	26°11'16.8"
Two track dirt road in south (random)	WP17	29°04'10.7"	26°11'17.7"
Two track dirt road in south (random)	WP18	29°04'12.2"	26°11'20.4"
Soccer field (SE)	WP19	29°04'12.1"	26°11'21.3"
Two track dirt road in south (E end)	WP20	29°04'13.6"	26°11'22.7"
Soccer field (NE)	WP21	29°04'10.4"	26°11'23.4"
NE corner of surveyed area	WP22	29°04'08.6"	26°11'27.9"
Two track dirt road in north (E end)	WP23	29°04'08.6"	26°11'28.1"
Pipeline in north (E end)	WP24	29°04'08.9"	26°11'27.8"
Pipeline in north (W end)	WP25	29°04'05.6"	26°11'21.4"



Map 1: LOCATION OF SURVEYED AREA, SUBDIVISION REMAINDER AND PORTIONS 2/4 AND 3/4 RAYTON, BLOEMFONTEIN DISTRICT, FREE STATE, SOUTH AFRICA



Map 2: CLOSE UP OF SURVEYED AREA, SUBDIVISION REMAINDER AND PORTIONS 2/4 AND 3/4 RAYTON, BLOEMFONTEIN DISTRICT, FREE STATE, SOUTH AFRICA



Map 3: DETAIL OF SURVEYED AREA, SUBDIVISION REMAINDER AND PORTIONS 2/4 AND 3/4 RAYTON, BLOEMFONTEIN DISTRICT, FREE STATE, SOUTH AFRICA

PHOTO GALLERY



Photo 1: General view of surveyed area from west



Photo 2: General view of surveyed area from east



Photo 3: View of dumped building material



Photo 4: View of scraped soccer field, looking west



Photo 5: View of soccer field, looking south



Photo 6: View of southern road, looking east



Photo 7: View of northern road, looking west



Photo 8: View of pipeline in north, looking west



Photo 9: Hollow one



Photo 10: Hollow two



Photo11: Hollow three



Photo12: Hollow four



Photo 13: Hollow five



Photo 14: Stone tool - Core



Photo 15: Stone tool, flake



Photo 16: Stone tool, flake