



LEGEND

Land Use	Number of Erven	Erf Number	Area in Ha	% of Area
Residential 1	827	449-452, 457-467, 489-490, 492-510, 516-520, 523-531	51.3084ha	67.89%
Business 1	3	4873, 4981, 5268	0.6716ha	0.89%
Institutional (Church)	2	5184; 5301	0.6017ha	0.80%
Institutional (Creche)	1	4948	0.3153ha	0.42%
Public Open Space	6	5332-5337	8.9089ha	11.79%
Street			13.7657ha	18.21%
TOTAL	839	4499-5337	75.5716ha	100%

STREETS

Reserve Width	Length in Metre	% of Street Length
16metre	1488m	11.94%
13metre	1342m	10.77%
10metre	9635m	77.29%
TOTAL	12465m	100%

NOTES:

The figure A-B-C-D-E-F-G-H-J-K-L-M-N-O-P-Q-R-S-T-U-V-W-X-Y-Z-A represents the proposed township Bloemhof Extension 11.

8m Building Restriction along the lines lettered X-a and b-W.

No ingress to or egress from the township along the line(s) lettered A-B-C-D-E-c and d-e as indicated on the layout plan.

Average Residential Erven Size : 620.4m²

Erven sizes and dimensions subject to final survey.

1 : 100 YEAR FLOODLINE

It is hereby certified in terms of the provisions of Section 144 of the National Water Act, 1998 (Act No.36 of 1998) that the township is not affected by a public stream.

DESIGN OF TOWN LAYOUT

Maxim Planning Solutions (Pty) Ltd
K. Raubenheimer Pr. Pin A/924/1996
Tel. (018) 468 6366

CONTOURS

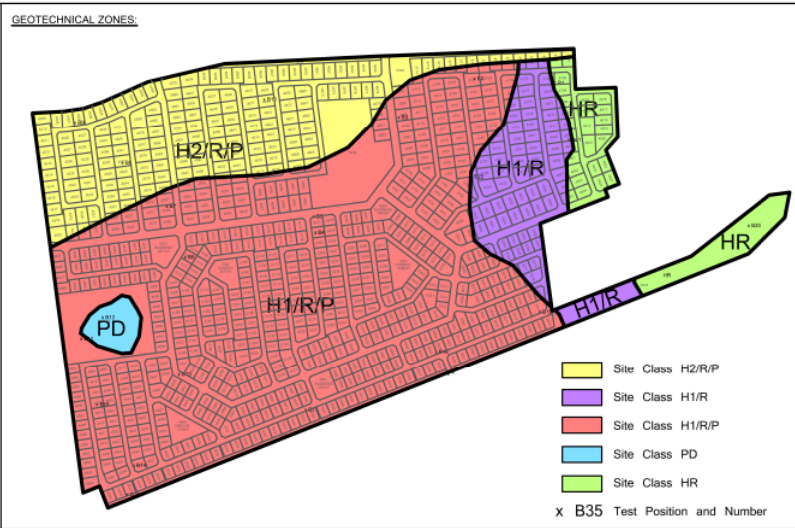
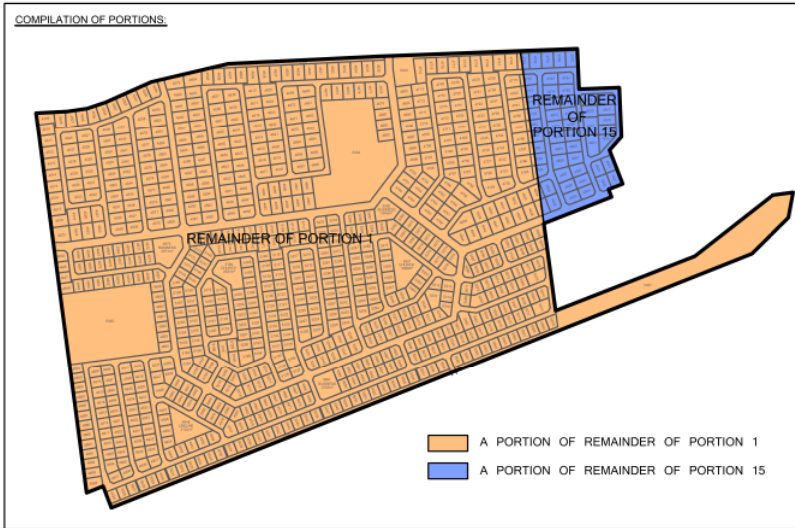
The contour survey is in accordance with the standards laid down by the Regulations relating to Township Establishment and Land Use.

PROPOSED TOWN BLOEMHOF EXTENSION 11

SCALE 1 : 5 000

THE PROPOSED TOWN IS SITUATED ON A PORTION OF THE REMAINING EXTENT OF PORTION 1 AND A PORTION OF THE REMAINING EXTENT OF PORTION 15 (A PORTION OF PORTION 1) OF THE FARM KLIPFONTEIN NO. 344-HO.

LEKWA-TEEMANE LOCAL MUNICIPALITY NORTH WEST PROVINCE



GEOTECHNICAL REPORT

Compiled by : GEOSSET cc
David S. van der Merwe : Cat. (082) 925 4075
Date : November 2016

Engineering Geological Zonation

Normal Development with Risk:
Site Class HR(1C1F): Low or slightly expansive soil, with an expected range of less than 7,5mm of total soil movement measured at surface as heave. There is a risk that shallow rock lava, lava core stones or calcareous requires the use of pneumatic tools, a competent TLB, and even blasting and this will increase development cost. Normal foundation construction and standard compaction techniques will be adequate, and it is classified as HR in terms of the NHBRG guidelines (1995) or the SAIEG & NHBRG guidelines (1995) and 1C1F by the classification for urban development (Partridge, Wood & Brink).

Modified Normal Development:
Site Class H1/R: This area on site is characterized by slightly to medium expansive soil exhibiting heave with an estimated total heave of up to 15mm movement measured at surface, with a small risk of shallow rock and core stones or calcareous that may be encountered. The top of the residual highly weathered lava is also classified as medium expansive. Foundations will therefore require modified normal foundation techniques with foundation solutions including split construction or soil replacement with a soil raft, where all or part of the horizon is removed and replaced with inert backfill to engineer's specification, followed by normal construction with lightly reinforced strip footings and light reinforcement (brockface) in masonry. Site drainage and plumbing and service precautions must be used. It is classified as H1R in terms of the SAIEG & NHBRG guidelines (1995) or the SAIEG Code of practice (1995) and 2C1F by the classification for urban development (Partridge, Wood & Brink).

Special Development with Risk:
Site Class H2/R/P: These portions on site is covered by diamondiferous gravel of alluvial origin on top of the same material classified above, and after proper landscaping including removal or leveling of these heaps of gravel even by mining or washing of these gravel for diamonds, the same foundation techniques as above can be used. It was classified as H2/R/P.

Land not suitable for development without precaution:
Site Class PD: This zone represents a small area where the continuous long term leakage of the sewage system caused a marshy area and it must be repaired and properly maintained before any development can take place.

Test Position and Number x B35
Inferred zone boundary

Drawing Compiled by : A. Rossouw

Drawings Nr. : 8/13/13

Date : 2017/10/23

Revision : 1

Caddie File : Z:\C\A\BLOEMHOF\Bloemhof Ext 11&12

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