



### LEGEND

LAND USE	Number of Erven	Erf Numbers	Area in Ha	% of Area
Residential	1000		33.7694ha	41.80%
Business	6		1.7544ha	2.17%
Community Facility				
Primary School	1		2.6089ha	3.23%
Creche	2		0.2539ha	0.31%
Church	5		0.6344ha	0.79%
Public Open Spaces	7		28.1091ha	34.80%
Streets			13.6498ha	16.90%
<b>TOTAL</b>	<b>1021</b>		<b>80.7799ha</b>	<b>100 %</b>

### STREETS

Reserve Width	Length in metre	% of Street Length
16 metre	542m	4.23%
13 metre	1685m	13.15%
10 metre	10589m	82.62%
<b>TOTAL</b>	<b>12816m</b>	<b>100 %</b>

**SERVITUDE NOTES:**  
 The line(s) w-x; y-z; a'-b'; c'-d' and e'-f' represent the centre lines of a proposed 3m powerline servitude in favour of Eskom (to be created during proclamation of the township area).  
 The line g'-Q-R represents the southern boundary of the servitude 15,0 metres wide vide diagram SG No 5484/1999.

Residential Erven : 338m<sup>2</sup>  
 Streets :  
 Maximum slope 1:18  
 Minimum slope 1:120

**DESIGN OF TOWN LAYOUT**  
 MAXIM PLANNING SOLUTIONS  
 C.GROBBELAAR TRP (SA)  
 TEL: (018) 468 6366

**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 lines shown on this drawing indicate the maximum extent of inundation likely on an average every hundred years by the flood waters from the natural catchment (as determined using present topography).

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

Digital Orthophoto by:  
 P.O. Box 1214  
 SELWATERTON  
 TEL: (012) 8030346  
 FAX: (012) 8030659  
 Date of Photography: 25 January 2014  
 System: WGS84 Central Meridian: Lo27

## PROPOSED TOWN AMALIA EXTENSION 5

SCALE 1 : 4500

PROPOSED TOWN IS SITUATED ON A PORTION OF THE REMAINING EXTENT OF PORTION 6 AND A PORTION OF THE REMAINING EXTENT OF PORTION 2 OF THE FARM NIEUWJAARFONTEIN No.73-HO.

MAMUSA LOCAL AUTHORITY      MUNICIPAL DISTRICT SCHWEIZER-RENEKE

Drawing Compiled by : A. Erasmus  
 Drawings Nr. : 8/16/5  
 Date : 2014-06-25  
 Revision : 0  
 Caddie file : T:\C\AMALIA\Amalia Ext 5

Tel (018)468-6366  
 Fax (018)468-6378  
 koot@maxim.co.za

Geotechnical Report  
 Done By: Geoset cc  
 Date: January 2014

Engineering Geological Zones

**Special Development:**

Site Class C1/H1/R: This zone consists of Aeolian sand and is underlain by calcrete and lava or shale and comprises medium compressible and collapsible soil, with low to medium expansive properties, with an estimated total settlement of up to 15mm measured at surface. Foundations will therefore require special foundation techniques such as proper compaction techniques and lightly reinforced strip footings with articulation joints at all internal and external doors and openings with light reinforcement (brickforce) in masonry, or soil replacement by an engineered fill soil raft. Foundation excavations should be inspected and loose material well compacted. If loose patches are present in situ material below foundations should be removed to a depth and width of 1,5 times the foundation width or to a competent horizon and replaced with material compacted to 93% MOD AASHTO density at -1% to +2% of optimum moisture content. Special construction techniques can also include the use of deep strip foundations. Site drainage and plumbing and service precautions must be used. The site is at shallow depth underlain by shallow rock lava with some core stones or calcrete, and hard to very hard excavation is expected for service installation excavations. It is classified as C1/H1/R according to the NHBRC and SAIEG guidelines.

Land not Suitable for development

Site Class PQ: The area used for a dumping site needs to be rehabilitated before any development will be allowed.

Site Class PD: This zone represents the area within the 1:100 year flood line and development should be restricted to outside these areas. The drainage systems from the existing culverts from town should be incorporated within the roads towards the stream.



**NOTES:**

The figures A-B-C-D-E-F-G-H-J-K-L-M-N-O-P-Q-S-T-U-V-W-A and X-Z-Y-A'-B'-C'-D'-E'-F'-G'-H'-J'-K'-X represent the proposed township Amalia Extension 5.

No ingress to or egress from Provincial Road P23-3 along the line(s) lettered A-B-C.

No ingress to or egress from Road 462 along the line(s) lettered C-n-o; D-E-F-G-H; K-p; q-l-M-N-r-s and t-u-m-v as shown on the layout plan.

16m Building restriction along the line(s) A-B-C measured from the road reserve boundary of Provincial Road P23-3 as shown on the layout plan.

10m Building restriction along the line(s) C-n; D-E-F-G-H and I-M-N-m measured from the road reserve boundary of Road 462 as shown on the layout plan.

No ingress to or egress from the 13m street linking into Road 2013 along the line(s) lettered a-b-c-d and e-f-g-h as shown on the layout plan.

10m Building restriction along the line j-k measured from the reserve boundary of Road 2013.

An 8m building restriction will be applicable along the line lettered X-Y-Z adjacent to the Transnet railway reserve as shown on the layout plan.

No buildings or structures to be erected on Erven \_ and \_ within that portion of the erf to be inundated by the floodwater on an average every 100 years as shown on the layout plan.