

LEGEND

Proposed Zoning	Proposed Land use	Number of Erven	Erf Number	Area in Ha	% of Area
Residential 1	Residential house (Minimum 300m²)	2290	25413-25416, 25417-25520, 26020-26060, 26062-26116, 26117-26202, 26602-26602, 26964-27247, 27249-27462, 27447-27710	71.6400ha	64.77%
Business 1	Shop	2	25527; 27446	0.3330ha	0.30%
Institutional	Creche	2	25999; 27248	0.3809ha	0.34%
	Church	4	25416; 26416; 26604; 26963	0.5475ha	0.49%
Industrial 1	Light Industrial / Commercial	1	27711	1.4642ha	1.32%
Public Open Space	Park	3	27712-27714	8.8059ha	7.96%
Public Roads	Street			27.4431ha	24.82%
TOTAL		2302	25413 - 27714	110.6147ha	100%

STREETS

Reserve Width	Length in Metre	% of Street Length
10m	19059m	79.87%
13m	939m	3.94%
16m	1117m	4.68%
20m	2747m	11.51%
TOTAL	23862m	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 represents the proposed town Kanana Extension 16.

No ingress to or egress along the line(s) lettered A-B-C-D-E-F-G-H-J-K-L-M-N-O-P-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; a1-b1-c1-d1-e1-f1; g1-h1-j1; k1-l1-m1; n1-o1-p1-q1; r1-s1-t1-u1; v1-w1-x1-y1; z1-a2-b2-c2-d2 and e2-f2-g2-T-U-V as indicated on the layout plan.

16m Building Restriction along the line(s) lettered A-B-C-D-E-F-G-H-J-K-L-M-N-O-P-a-b and f2-g2-T-U-V as indicated on the layout plan.

GEOTECHNICAL REPORT
 Compiled by : GEOSSET cc
 Consulting Environmental and Engineering Geologists
 David S.van der Merwe : Cel: (082) 925 4075
 Date : September 2019

Engineering Geological Zonation

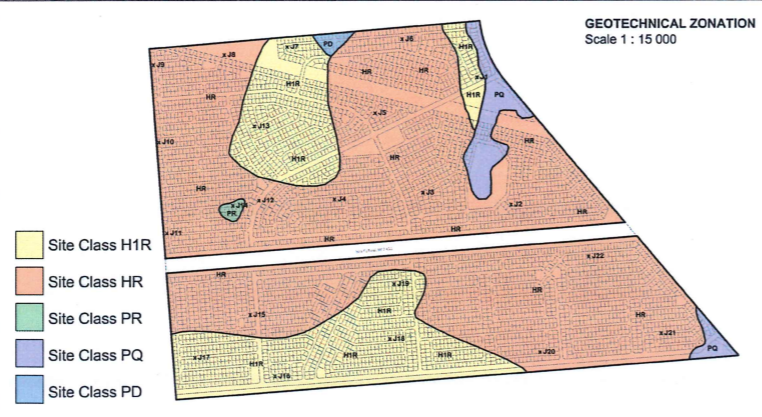
Modified Normal to Special Development:
 Site Class H1R/2C2F:
 Slightly to marginally medium expansive soil with estimated total heave of between 7,5 and 15mm measured at surface, underlain by a pebble marker or lava. Characterize this zone, with modified normal foundation techniques to enable proper development, with modified normal construction with lightly reinforced strip footings and articulation joints or soil replacement with an engineered soil raft with at least A COLTO classification of G5 or better, with drainage provision will be required. Site drainage, a concrete apron of 1,0m around all structures with no gardening allowed next to structures and plumbing and service precautions are advised. It was classified as H1R in terms of the NHBRC guidelines (1995) or the SAICE Code of practice (1995) and 2C2F according to the classification for urban development (Partridge, Wood & Brink).

Normal Development with Risk:
 Site Class HR:
 Slightly expansive soil with estimated total heave of less than 7,5mm measured at surface, with the risk that it is underlain by shallow rock lava or a competent pebble marker, with normal foundation techniques to enable proper development. The use of pneumatic tools and a competent TLB to reach required depths for the placement of services may increase the development cost to slightly above normal. It was classified as HR in terms of the NHBRC, and normal compaction within standard strip foundations and drainage provision will be sufficient.

Suitable for development with precaution
 Site Class PR:
 Lava rock outcrop and sub-outcrop will restrict excavatability required during service installation as well as foundation excavations. Blasting or difficult excavation operations will dramatically increase the development cost in this zone.

Undevelopable:
 Site Class PQ:
 Perennial drainage features where the 1:100 year flood line will determine or specify the allowable distance of development from rivers, usually at least 32m from the center of the river.

— — Inferred Zone Boundary
 PQ Site Class Designation
 x K01 Test Position and Number



Average Residential Erven Size : 313m²
 Erf sizes and dimensions subject to final survey.

STREETS:
 Maximum slope 1 : 65
 Minimum slope 1 : 216

DESIGN OF TOWN LAYOUT
 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.

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:
 Date of Photography :
 System : WGS84 Central Meridian : Lo25

PROPOSED TOWNSHIP KANANA EXTENSION 16

0m 40m 80m 120m 160m 240m 320m 400m
 1cm = 40m
 SCALE 1 : 4 000

THE PROPOSED TOWN IS SITUATED ON PORTION 100 OF THE FARM NOOTGEDACHT NO. 434 - IP.

CITY OF MATLOSANA NORTH WEST PROVINCE

Drawing Compiled by : A. Rossouw
 Drawings Nr. : 8/6/48
 Date : 2020/07/27
 Revision :
 Caddie File : Z:\8-PROJECTS\8-4-19-K-T Kanana Extension 16 Maps\CAD

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

MAXIM
 planning solutions
 ACCREDITED TOWN AND REGIONAL PLANNERS