

LEGEND

Proposed Zoning	Proposed Land use	Number of Erven	Erf Number	Area in Ha	% of Area
Residential zone III	Flats, Residential building	1	10752	0.8567ha	1.47%
Residential zone IV	Residential house, low cost housing (Minimum 332m ²)	694	10754-10771; 10773-11141; 11143-11177; 11179-11234; 11236-11249; 11251-11257; 11259-11453	31.2498ha	53.46%
Business zone II	Shop	3	11235; 11454; 11455	0.8077ha	1.38%
Institutional zone I	Place of instruction (Primary School)	1	10753	3.4198ha	5.85%
Institutional zone II	Public place of worship (Church)	1	10772	0.1691ha	0.29%
Open space zone I	Public open space	8	11456-11463	3.2418ha	5.54%
Transport zone II	Public street	17	11464-11480	12.6378ha	21.62%
Authority zone I	Authority use (Municipal)	4	11142; 11178; 11250; 11258	6.0768ha	10.39%
TOTAL		729	10752-11480	58.4595ha	100%

STREETS

Reserve Width	Length in Metre	% of Street Length
16m	2724.25m	25.05%
13m	728.16m	6.70%
10m	7329.53m	67.40%
8m	92.90	0.85%
TOTAL	10874.84m	100%

GEOTECHNICAL REPORT
 Compiled by : COUNCIL FOR GEOSCIENCE
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 Silverton, Pretoria
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 Date : JULY 2017

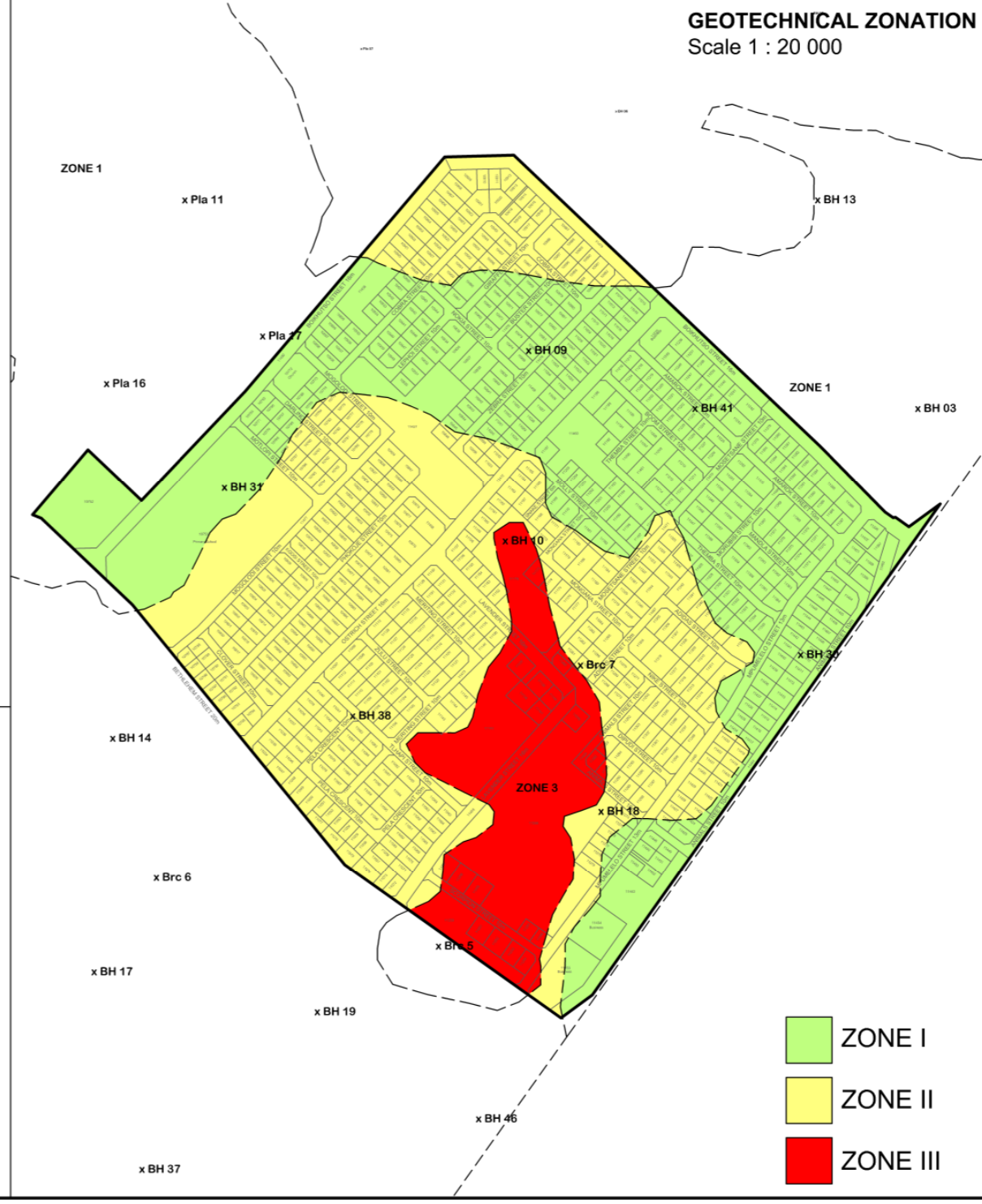
Engineering Geological Zonation

Zone I: Dolomite area Designation of D3 and Inherent Hazard Class IHC 3(4)(5)/(4)1
 Zone I is characterised by a medium inherent susceptibility of up to a medium size sinkhole and subsidence formation (2 m to 5 m in diameter) with respect to ingress and small size sinkhole (<2 m) with respect to groundwater level drawdown. Zone I occupies mainly the gravity high and gradient areas. This zone encompasses pockets of IHC5 due to the encounter of dolomite bedrock at 1 m and 4 m in BH43 and PLA23, respectively. The blanketing layer is characterised by colluvium, chert rubble, dolomite chert residuum (containing fines-Wad in some instances) underlain by weathered dolomite and dolomite bedrock. The depth to dolomite bedrock generally ranges between 6 m to 15 m. Groundwater rest level in this zone is mainly within bedrock.

Zone II: Dolomite area Designation of D3 and Inherent Hazard Class IHC 4(4)(1)
 This zone is characterised by a medium inherent susceptibility of up to a medium to large size sinkhole and subsidence formation (2 m to 5 m in diameter) with respect to both ingress and groundwater level drawdown. The blanketing layer is characterised by colluvium, chert residuum, dolomite chert residuum (containing fines-Wad) underlain by weathered dolomite and dolomite bedrock. The depth to dolomite bedrock is variable and groundwater rest level is mainly within the blanketing layer. Zone II is the most dominant zone in terms of areal coverage.

Zone III: Dolomite area Designation of D4 and Inherent Hazard Class IHC 7(8)(7)8
 This zone is characterised by a medium to high inherent susceptibility of up to a large to very large size sinkhole and subsidence formation (2 m to >15 m in diameter) with respect to both groundwater level drawdown and water ingress. The ground conditions in this zone are highly variable. Zone III occupies the gravity lows mainly in the northern section of the map. The blanketing layer is considerably thick and is characterised by colluvium, chert residuum, dolomite chert residuum (fines-Wad) underlain by weathered dolomite. The depth to dolomite bedrock is generally deep (>20 m) and groundwater rest level is mainly within the blanketing layer or within the cavity.

--- Inferred Zone Boundary
 x BH 26 Test Position and Number



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-A represents the proposed town of Kuruman comprising Erven 10752 to 11480.

No ingress to or egress from Mpumelelo Street along the line(s) lettered a-b and g-h as indicated on the layout plan.

No ingress to or egress from Bethlehem Street along the line(s) lettered b-Q-P as indicated on the layout plan.

No ingress to or egress from Road DR3456 along the line(s) lettered P-O-N-M as indicated on the layout plan.

No ingress to or egress from Boithutso Street along the line(s) lettered M-c-d-e-f-g as indicated on the layout plan.

10m Building Restriction along the line(s) lettered Q-P-O-N-M-c as indicated on the layout plan.

Average Residential Erven Size : 396m²
 Erf 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. Pln 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.
 Digital Orthophoto by: *Aziwa*
 Tel: (012) 8030346
 Date of Photography : June 2018
 System : WGS84 Central Meridian : Lo23

PR ENGINEER
 It is hereby certified that the town layout complies with the conditions and recommendations as stated in the Geological Report.

PR ENGINEER

**LAYOUT MAP:
 PROPOSED TOWNSHIP KURUMAN
 COMPRISING OF ERVEN 10752 TO 11480**

240m 160m 80m 40m 0m 50m 100m 200m
 1cm = 40m
 SCALE 1 : 2 500

THE PROPOSED TOWN IS SITUATED ON A PORTION OF THE REMAINING EXTENT OF ERF 3, KURUMAN (TO BE KNOWN AS ERF 10749, KURUMAN FOLLOWING SUBDIVISION THEREOF) AND A PORTION OF THE REMAINING EXTENT OF PORTION 3 OF THE FARM KURUMAN RESERVE No. 690, DIVISION KURUMAN (TO BE KNOWN AS ERF 10750, KURUMAN FOLLOWING SUBDIVISION THEREOF) TO BE CONSOLIDATED AS ERF 10751, KURUMAN.
 GA-SEGONYANA LOCAL MUNICIPALITY NORTHERN CAPE PROVINCE

Drawing
 Compiled by : A. Rossouw
 Drawings Nr. : 8/34/7(E)
 Date : 2019-04-16
 Revision :

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 ACCREDITED TOWN AND REGIONAL PLANNERS