

LEGEND

| Proposed Zoning | Proposed Land use | Number of Erven | Erf Number | Area in Ha | % of Area |
|------------------------|--|-----------------|---|------------------|-------------|
| Residential zone III | Flats, Residential building | 1 | 9876 | 2.3576ha | 4.28% |
| Residential zone IV | Residential house, low cost housing (Minimum 335m²) | 846 | 9879-9914; 9916-10084; 10086-10134; 10136-10309; 10311-10719; 10722-10730 | 33.5037ha | 60.84% |
| Business zone I | Business premises including, Institution, Authority use, Government, Flats, Residential building | 1 | 9877 | 1.1486ha | 2.09% |
| Business zone II | Shop | 1 | 10310 | 0.1547ha | 0.28% |
| Institutional zone I | Place of instruction (Creche) | 1 | 10085 | 0.1229ha | 0.22% |
| Institutional zone II | Public place of worship (Church) | 2 | 10135; 10721 | 0.2235ha | 0.41% |
| Institutional zone III | Institution (Thusing Centre/Community Hall) | 1 | 9915 | 0.4484ha | 0.81% |
| Open space zone I | Public open space | 2 | 10731; 10732 | 3.0646ha | 5.57% |
| Transport zone I | Transport use (Taxi rank) | 1 | 9878 | 0.2664ha | 0.48% |
| Transport zone II | Public street | 16 | 10733-10748 | 12.9170ha | 23.46% |
| Authority zone I | Authority use (Municipal) | 1 | 10720 | 0.8595ha | 1.56% |
| TOTAL | | 873 | 9876-10748 | 55.0669ha | 100% |

GEOTECHNICAL REPORT
 Compiled by: COUNCIL FOR GEOSCIENCE
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Engineering Geological Zonation

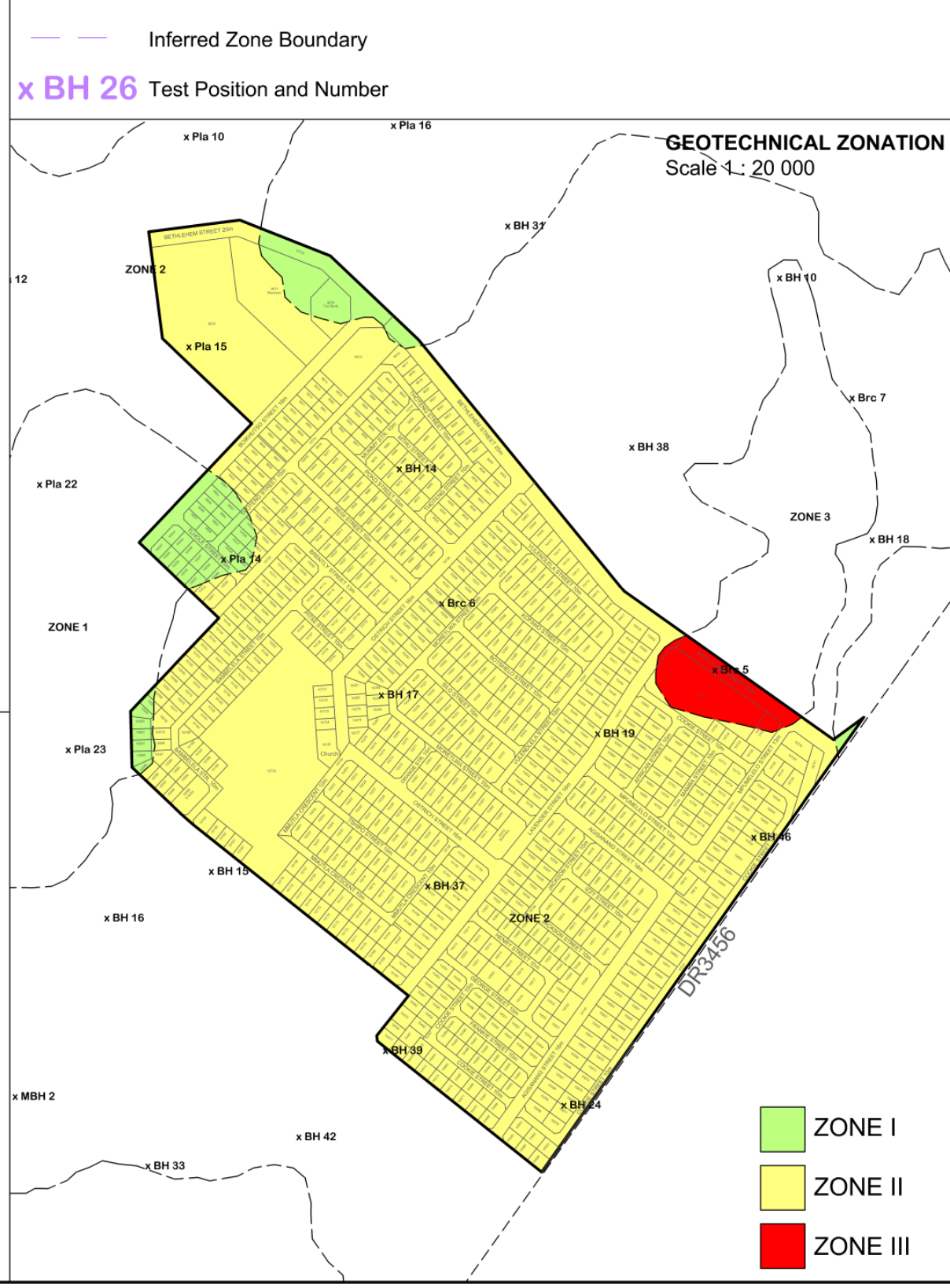
Zone I: Dolomite area Designation of D3 and Inherent Hazard Class IHC 3/4(5)/// (4)1
 Zone I is characterised by a medium inherent susceptibility of up to a medium size sinkhole and subsidence formation (2 m to 5 m in diameter) with respect to ingress and small size sinkhole (<2 m) with respect to groundwater 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(1)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.

STREETS

| Reserve Width | Length in Metre | % of Street Length |
|---------------|------------------|--------------------|
| 20m | 1124.65m | 10.89% |
| 16m | 2246.44m | 21.76% |
| 13m | 689.37m | 6.68% |
| 10m | 6263.93m | 60.67% |
| TOTAL | 10324.39m | 100% |



NOTES:

The figure A-B-C-D-E-F-G-H-J-K-L-M-N-O-P-Q-R-S-T-U-A represents the proposed town of Kuruman comprising Erven 9876 to 10748.

No ingress to or egress from Road DR3456 along the line(s) lettered J-H-a as indicated on the layout plan.

No ingress to or egress from Bethlehem Street along the line(s) lettered a-b-c; f-g; k-l-m and p-q-r as indicated on the layout plan.

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

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

No ingress to or egress from Ostrich Street along the line(s) lettered m-n and o-p as indicated on the layout plan.

No ingress to or egress from Bothutso Street along the line(s) lettered r-s as indicated on the layout plan.

10m Building Restriction along the line(s) lettered J-H-a-b as indicated on the layout plan.

Average Residential Erven Size : 396m²

Erven sizes and dimensions subject to final survey.

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: *AZURA*

Tel: (012) 8030346

Date of Photography : June 2018

System : WGS84 Central Meridian : Lo23

LAYOUT MAP:
PROPOSED TOWNSHIP KURUMAN
COMPRISING OF ERVEN 9876 TO 10748

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 9875, KURUMAN FOLLOWING SUBDIVISION THEREOF).

GA-SEGONYANA LOCAL MUNICIPALITY NORTHERN CAPE PROVINCE

Drawing Compiled by: A. Rossouw
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 Date: 2019-04-16
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