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ERF878, RIEBEEK KASTEEL CR0770/C1

ELECTRICITY SUPPLY 31 AUGUST 2026

ELECTRICAL ENGINEERING SERVICES REPORT

1. INTRODUCTION

DSV Consulting Engineers were appointed / commissioned to compile an Electrical Engineering Services Report for the proposed New Development on Erf 878, Riebeek Kasteel.

This report describes
- The envisaged Electrical Engineering Services to supply the development and addresses the availability of electricity supply load capacity on the existing local city of Cape Town Electricity network.
- The availability of Telecommunication supply infrastructure in the direct vicinity of the development.

2. DEVELOPMENT PROPOSAL

The site is Erf 878 along Church Street, Riebeek Kasteel.

The Development proposal comprises a mixed-use development with single residential, townhouse and commercial components as per Subdivision & Rezoning Plan Rev 78 and comprises:
- 46 Low Density Erven
- 24 Town Houses
- 28 Flats
- 1 Resort / Wedding Venue

3. ELECTRICITY SUPPLY AUTHORITY

The area of the proposed development falls within the Eskom Electricity area of supply.

4. ELECTRICAL LOAD DESIGN PARAMETERS

Energy efficient measures are required to be applied, when creating the permitted buildings to reduce the ADMD (After Diversity Maximum Demand), which will include the installation of energy efficient lighting and water heating systems.

Taking the above energy efficient measures into account, the ADMD for the New Development is estimated at 642kVA

The electricity distribution system will be designed for the anticipated maximum load to avoid the need for future upgrading of the electricity network.

5. EXISTING ELECTRICITY SUPPLY INFRASTRUCTURE CAPACITY

No existing electricity supply is available on site
- Eskom has confirmed that the required 642kVA can be made available on the Dagbreek Farmers 2 feeder.
- The Developer must make provision for 3 off 4 x 5m sites to accommodate the miniature substations.

6. PROPOSED ELECTRICITY INFRASTRUCTURE

The Electrical Infrastructure will be designed to comply with the standards and requirements of the Supply Authority, Eskom and where appropriate, generally in accordance with NRS034 – 1:1999 – Electricity Distribution Guidelines for the provision of Electrical Distribution Networks.

7. EXISTING TELECOMUNICATIONS INFRASTRUCTURE

There is existing fibre infrastructure in the vicinity of the proposed development.
This can probably be extended to the development.

8. CONCLUSION

DSV Consulting Engineers has investigated the (needs requirements) of the proposed development.

- The site is suitable for the intended development from an electricity supply point of view, as the required 642kVA electricity supply can be made available.
- There currently is fibre infrastructure available in the area, which could be extended to the development.