



**CONSULTING
ENGINEERS**
progress delivered

Portion 20 of Farm 23, Paternoster

Paternoster, Cape Town

Electrical Services Report

Revision 0

May 2026

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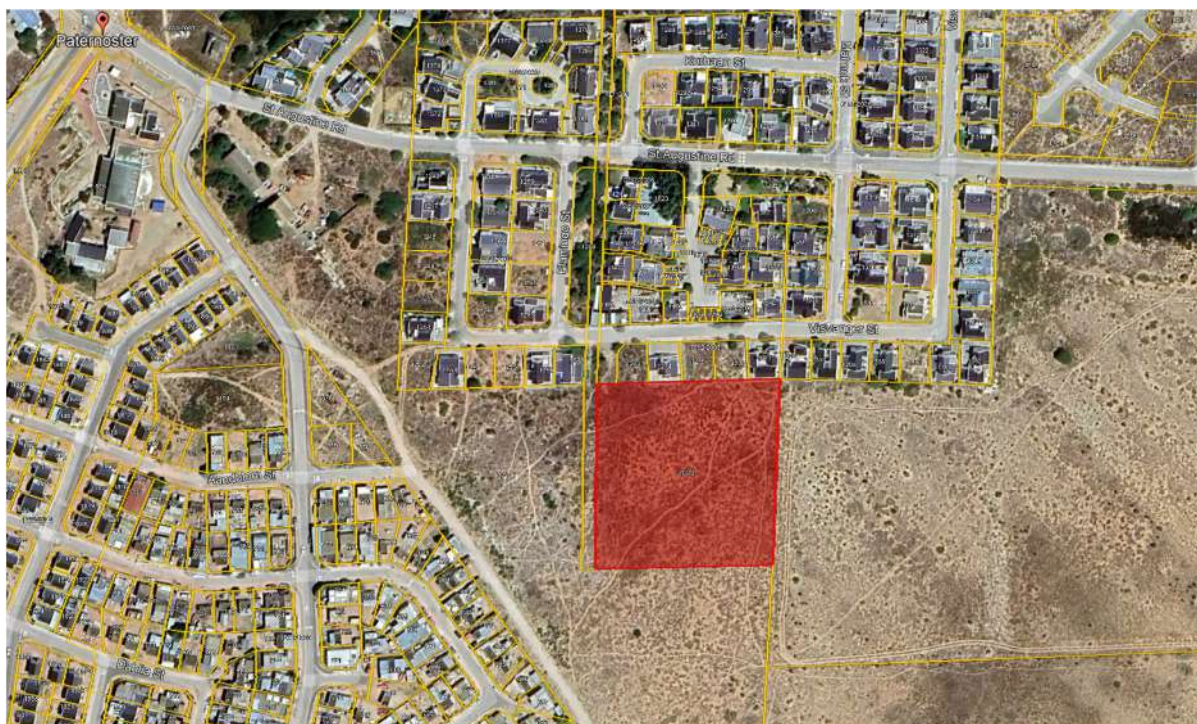
1. INTRODUCTION

The purpose of this report is to address the availability of electrical supply in the area to accommodate a proposed new residential development on portion 20 on farm 23, hereinafter referred to as Portion 20/23, situated on Visvanger street in Paternoster, Western Cape. The local supply authority, in this instance Saldanha Bay Municipality, was approached for the availability in supply.

2. LOCALITY OF THE SITE

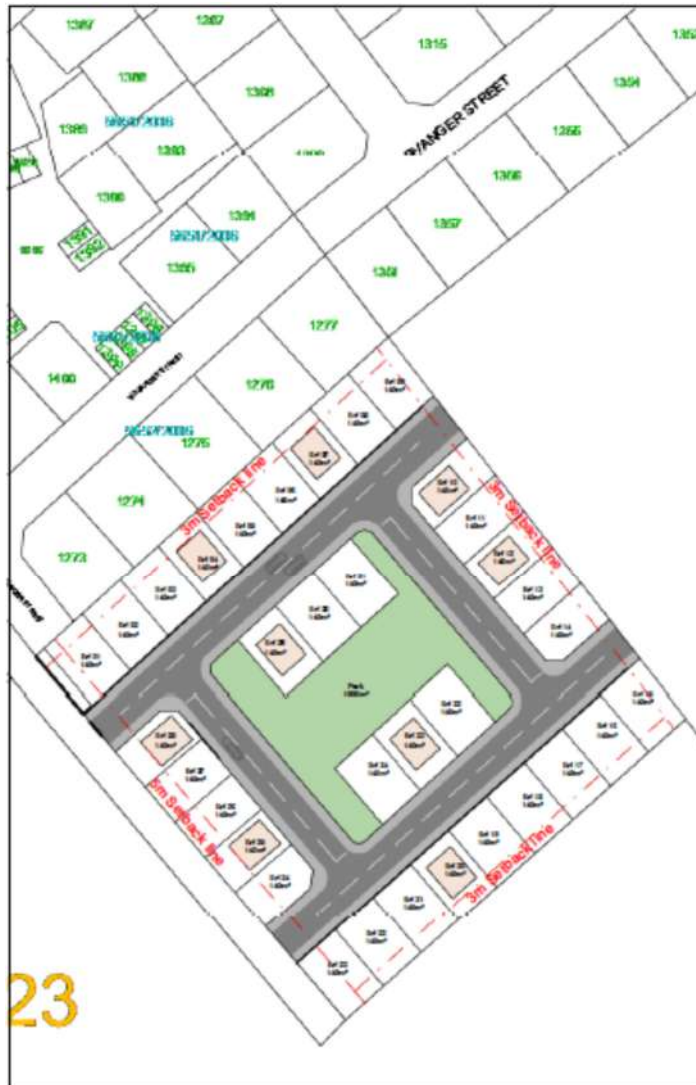
The proposed residential development is situated on portion 20/23 in Paternoster, Western Cape. The image below indicates the location for ease of reference:





3. DESCRIPTION OF THE PROPOSED DEVELOPMENT

The proposed residential development will include the construction of a new residential housing complex. The new housing complex shall consist of 34 erven on portion 20/23. The provisional development plan below indicates the allocation erven:



Site Plan_Low Residential Area

4. EXISTING ELECTRICAL INFRASTRUCTURE

Saldanha Bay municipality confirmed that there is available capacity on their medium voltage infrastructure to add additional loads on their system.

The municipality requested we utilize the existing 630kVA miniature substation (Crows Nest 1) situated at the corner of St Augustine road and Malmok Street for the developments. The Low Voltage reticulation need to be routed from the existing miniature substation to portion 20/23. The miniature substation has available Low voltage capacity to add the proposed erven.



5. NEW ELECTRICAL DEMAND

For the proposed new residential development, a supply of $\pm 154\text{kVA}$ is required for portion 20/23

The development load calculations can be seen below and is in accordance with regulations.

• Portion 20/23 – 34 Erven	: $4500\text{VA} \times 34 = 153\text{kVA}$
• Streetlighting	: 1kVA
<u>Total kVA required</u>	<u>: 154kVA</u>

6. AVAILABILITY OF SUPPLY

The supply authority to the erf is Saldanha Bay municipality.

Saldanha Bay municipality indicated the 154kVA requirement is available for the new development.