

Official Response

15 August 2018

iX Engineers (Pty) W Hofmeyr
PO Box 7587
Newton Park
Port Elizabeth
6055

Dear Mr. Hofmeyr

In re: Your Swan Lake Eco development electricity supply.
Premises: Apiesdraai in Aston Bay

All registered erven must have a municipal supply grid connection, and cannot be totally off the grid as proposed. Currently we do not have an approved SSEG policy document, but we use NERSA's guidelines in this regard.

For this development, we will allow you with a single connection point where you want to opt for solar not to exceed 25% of the connection capacity. Furthermore for the entire development, you cannot exceed 25% maximum on SSEG.

Regarding the connection point from our Paradise 11kV overhead line, our preference is that the 11kV spur overhead line as indicated on your plan running across the development be replaced with a 95mm², 3 core copper PILC (Table 18) underground cable.

From the Paradise T-off at the back of the development, an overhead disconnection point needs to be installed that will trip under fault conditions. This supply route form part of a ring feed into Aston Bay and it is therefore very important to keep the supply via the Paradise line.

The entire underground cable route through the development must be registered under a servitude of minimum 3m wide (min. 1,5m on either side of the cable) and the Municipality must have unrestricted access to it. Alternatively, the cable can be laid outside and around the development's erf boundary. In the latter instance, a servitude will not be required.

A brick built substation must be constructed, including 11kV switchgear and an 11kV Bulk Metering Point. All metering equipment must be installed inside this substation and the metering cubicle must be totally separated from the 11kV switchgear.

The Municipality must have unrestricted access from Dolphin drive road to this substation without having to go through the development's security entrance.

The developer needs to keep in mind that the Municipality recently upgraded the 11kV network and the augmentation fee is a contribution to this and future maintenance work on same. Currently, with the 22/11kV, 5MVA transformer at Apiesdraai Substation (SS-70) we can accommodate your 400kVA notified demand. Should the developer, however, wish to increase this notified demand at a later stage, there will possibly be special contributions over and above the normal augmentation fee towards the upgrading of Apiesdraai Substation, which is reaching its maximum capacity.

The augmentation contributions for the 2018/19 financial year will be R 1 713 673. 41 (excluding VAT). This augmentation fee does not include any transformer fees since we understand that the developer will allow for the relevant internal 11/0,4kV substations at their own cost.

Note that the detailed design of the supply, including the specifications of all material and equipment must be submitted to and approved by the Municipality before construction commences.

I hope that you find this in order, please note this is not a SLA but merely comments and requirement from the electricity department at this stage. Should the development take a few year to take off requirements might change.

Yours faithfully

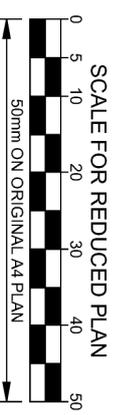
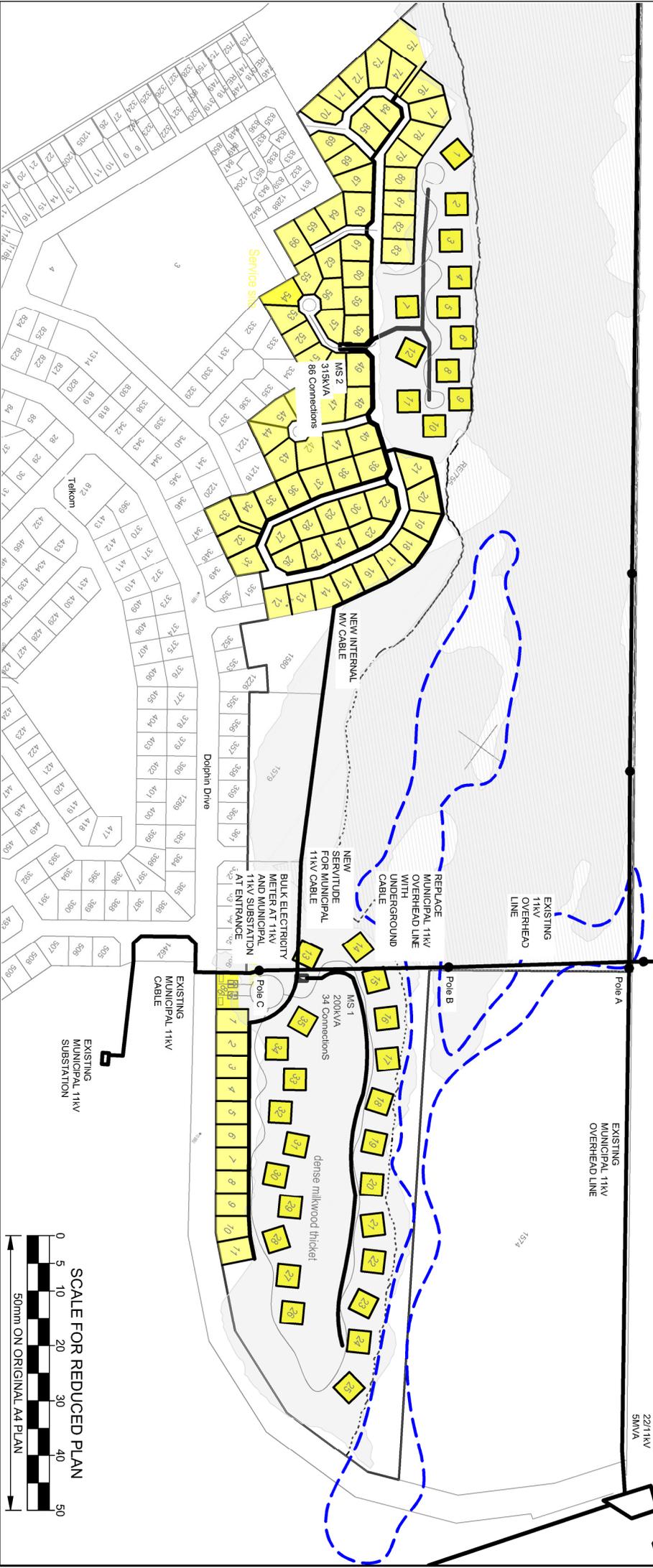
MR. A MARAIS
MANAGER ELECTRICITY

Refer: Mr. V Felton - Director Infrastructure Planning and Development



- LEGEND:**
- - - - - 1:100 YEAR FLOOD LINE
 - - - - - NO-GO AREA
 - - - - - VEGETATION AREA
 - PROPERTY BOUNDARY

- EXISTING MUNICIPAL 22kV OVERHEAD LINE
- AAPRES DRAAL SUBSTATION 22/11kV 5MVA
- VODACOM TOWER WITH FIBRE LINK



PRELIMINARY

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All dimensions must be verified on site before the works commence. Refer any discrepancies to the Engineer. Copyright reserved

CLIENT

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PROJECT

SWAN LAKE ECO ESTATE

DRAWING DESCRIPTION
PROPOSED ELECTRICAL SUPPLY LAYOUT PLAN

DESIGNED

BM

DRAWN

ACB

CHECKED

BM

DATE

2018/08/02

SCALE

1 : 5000

DRAWING NUMBER

300952/08

REV

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