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01st April 2014

Archworxs
2 Cross Street
Richmond Hill
Port Elizabeth
6100

Attention: Mr. X Sidloyi

RE: CDC/597/13: KWANONKUBELA CHC ALEXANDRIA: INFRASTRUCTURE SITE ANALYSIS REPORT

The proposed site 2 is situated within a developed township and surrounded by existing services. Through discussions with the technical department of Ndlambe Municipality, the following existing services were indicated.

1. Sewer Pipes

The proposed site is surrounded by different types of existing sewer pipes namely:

- 150 mm \emptyset fibre cement pipe (reticulation sewer) along the north western side of the site.
- 250 mm \emptyset Asbestos cement pipe (bulk sewer) along the north eastern side of the site (Possible Tie In).
- 150 mm \emptyset fibre cement pipe (reticulation sewer) along the western side of the site.

2. Water Pipes

The existing water pipe (size and pressure still to be determined) on the western side of the site will be the possible connection into the proposed elevated water tank supplying the CHC.

3. Access Road

Access to the site will be through the existing access road into Kwanonkubela Township.

4. Storm Water

The storm water from the site will be discharged to an existing valley eastern side of the site.

5. Traffic Impact Study

The traffic impact assessment is a specialised field and since it was not budgeted for, we propose that it forms part of the environmental impact assessment (EIA) scope. The time frame for the TIA report to be completed, presented and approved by the municipality is estimated at 4 weeks.

Please do not hesitate to contact us should you require any additional information in this regard.

Yours Faithfully,

A handwritten signature in black ink, appearing to be 'Thabo Pudumo', written over a horizontal line.

Thabo Pudumo

For GG&G Consulting Engineers (Pty) Ltd

RICHARD NZUZA & ASSOCIATES

CONSULTING ELECTRICAL & MECHANICAL ENGINEERS



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CC/CK Reg No. 2000/000532/23

02 April 2014
Our Ref: 1330/3070

Archworxs Architects
2 Cross Street
Richmond Hill
Port Elizabeth 6070

Dear Sir

Kwanonkqubela Community Health Centre (CHC) Alexandria in the Eastern Cape Province (CDC/597/13) – Electrical Eskom supply availability.

With reference to the request for a Site analysis reports for electrical and bulk infrastructure.

This area of Alexandria's receives its power supply from Eskom.

There is an overhead supply line running adjacent to the new proposed site (site 1 as per Health planners brief 15 Jan2014) for the CHC.

In communications with the Eskom's technical department (Port Alfred) depending on the required load would possible to obtain a supply off this overhead line. The load restrictions would be limited to a 1MVA supply, but cannot guarantee this until a formal application is carried out. Should a greater supply be required resulting in the upgrade of the supply infrastructure, this will have to be borne by the project.

Currently we are not in a position to be able to request for a definitive answer from Eskom as we are not sure of the load requirements of Kwanonkqubela CHC.

Based on our previous experiences, we anticipate that the 1MVA as indicated above would surpass this CHC's requirements based on the sketch designs seen to date.

Kind Regards,

Binx Goetsch

Richard Nzuzza & Associates

Consulting Electrical & Mechanical Engineers

87 Heugh Rd

Walmer

Port Elizabeth, 6070



Offices : East London and Port Elizabeth

Members : Richard Nzuzza Pr. Eng.; Denzil H. Flanagan Pr. Techni. Eng.; Eric Ceba Pr. Techni. Eng. ;
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