

Monday, 18<sup>th</sup> March 2013

## HUDDLE PARK - ELECTRICAL SERVICE REPORT

Ref: 2013.03.18 - Huddle Park - Electrical Services Report - Ricky - mc.13.rc

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The supply authority is City Power, which will be referred to as Council in this report.

The capacity required is estimated as follows:-

Res 1	1,548kVA
High Density	365kVA
<u>Shopping Centre</u>	<u>1,000kVA</u>
<b>Total</b>	<b>2,913kVA x 0.85 Diversity Factor – Say 2500kVA</b>

This development will be fed from the corner of Pretoria and Modderfontein Road, which has adequate capacity to cater for the demand required.

In order to supply these developments, 2 x 185mm<sup>2</sup> x 3c copper XLPE 11kV cable will be installed from the corner of Pretoria and Modderfontein Road to the Res 1 - 6x3m site situated along the eastern boundary.

From the above the 2 x MV cables will continue to the High Density and Retail Stands.

See attached plans:-

1. Aerial Cable Route
2. PDF Layout of 6x3m Substation Sites