



- LEGEND**
- PLANNED MINIATURE SUBSTATION (HAWKER SIDLEY)  
\* X \* SHOWS TRANSFORMER CAPACITY EG. 3 = 315 KVA TYPE B
  - T4 HV SWITCH
  - DISTRIBUTION KIOSK (1' x 1' - SHOWS AMOUNT OF CONNECTIONS)
  - PLANNED 4.5m STEEL STREETLIGHT WITH 125W MV LAMP
  - PLANNED 11m STEEL STREETLIGHT WITH 250W MV LAMP
  - PLANNED 12m FIBRE GLASS STREETLIGHT WITH 250W HPS LAMP
  - 110mm SLEEVE (1' x 1' - SHOWS AMOUNT OF SLEEVES)
  - R, W, B RED, WHITE, BLUE PHASES
  - 11 kV CABLE, 3 CORE/16mm<sup>2</sup> Cu - CONDUCTOR
  - 11 kV CABLE, 3 CORE/70mm<sup>2</sup> Cu - CONDUCTOR
  - LV CABLE, 4 CORE/16mm<sup>2</sup> Cu - CONDUCTOR
  - LV CABLE, 4 CORE/120mm<sup>2</sup> Cu - CONDUCTOR
  - LV CABLE, 4 CORE/65mm<sup>2</sup> Cu - CONDUCTOR
  - LV CABLE, 4 CORE/70mm<sup>2</sup> Cu - CONDUCTOR
  - LV CABLE, 4 CORE/16mm<sup>2</sup> Cu - CONDUCTOR
  - LV CABLE, 3 CORE/25mm<sup>2</sup> Cu - CONDUCTOR
  - LV CABLE, 3 CORE/16mm<sup>2</sup> Cu - FOR STREETLIGHTS
  - LV CABLE, 3 CORE/16mm<sup>2</sup> Cu - CONDUCTOR
  - LV CABLE, 3 CORE/1.5mm<sup>2</sup> Cu - CONDUCTOR
  - TOWN BOUNDARY
  - MINI - SUB ZONES

**DRAWN BY:**

**PIENAAR & ERWEE ENGINEERS (PTY) LTD**  
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**P1110-02-01 AS BUILT**

**NOTES**

(A)  
(B)  
(C)

**P&L**  
CONSULTING ENGINEERS & PROJECT MANAGERS  
REGISTERED ENGINEERS

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CLIENT / SERVICE: TIJGERVALLEI EXT. 2 ELECTRICAL CONNECTION

TEXT TITLE / DRAW TITLE: ELECTRICAL RETICULATION

ONTWERP/DESIGNED: CONNIE TRUTER	NUSTEST/CHECKED: CONNIE TRUTER
TEKENS/DRAWN: MARC WESSELS	GOEDKEUR/APPROVED: CONNIE TRUTER
DATUM/DATE: OCTOBER 2006	CAD STREEK/STREET NO.: J144/X10/1E

NO.	REVISION	DATE	BY	REASON
1				

TIJGERVALLEI EXT. 10  
REMAINDER OF THE FARM  
TWEEFONTAIN NO. 372 - J.R.

J144/X10/1E 1

A		Verification of connection point by Specialist Engineering: 11kV or LV	Date	
B		Verification of electrical design by Specialist Engineering: Development	Date	
C		Electrical Development	Date	
D				
E				

No. Date Drawn: \_\_\_\_\_ Amendment: \_\_\_\_\_ Request checked: \_\_\_\_\_

ELECTRICITY DEPARTMENT  
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ELECTRICITY  
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PO BOX 423  
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TEL: 308 4368 FAX: 308 4397

APPROVED BY: \_\_\_\_\_  
For Electricity Department  
DATE: \_\_\_\_\_  
SCALE: 1 : 1000

TIJGERVALLEI EXTS. X10  
ELECTRICAL RETICULATION

YOUR DRAWING NO. J144/X10/1E OUR DRAWING NO. \_\_\_\_\_

Design: \_\_\_\_\_  
Drawn: \_\_\_\_\_  
Checked: \_\_\_\_\_  
Date: \_\_\_\_\_  
Sheet: 1 of 2