

EXTENSION TO MIDDLE LETABA WATER WORKS

SUMMARY OF WORKS	
Type of Works	Mechanical and Electrical
Location of Works	Mopani District Municipality
Size of Works (Mℓ/D)	36 Mℓ/D
Date of Award	October 2010
Date of Completion	May 2011
Completion Value (Including VAT)	R 3 600 000.00
Client	Mopani District Municipality
Conditions of Contract	General Conditions of Contract for Electrical Mechanical Construction

This project comprise the design, manufacture, installation and commissioning of the mechanical and ancillary equipment for the Middle Letaba Water Works Extension. Raw water for the Works is drawn from the Middle Letaba dam and gravitates to the existing inlet structures where flocculants and pH correction are applied.

The existing Water Works consisted of three modules each with a design capacity of 7200kl per day. This project increased capacity from 21.6 Ml/d to 36 Ml/d . The works consists of the following:

- Settling tank division and overflow launders.
- Eight rapid gravity filter units with single media filter bed on graded support layers. PCI DA type proprietary filter floor and nozzles included a pvc lateral system embedded in the floor
- Filter control gear is manually operated from the gallery and outflow is maintained at at constant rate by the float mechanism.
- Two backwash pumps and blowers operate on a duty standby basis. Air scour is followed by backwash. These pumps and blowers are located in the pump room, but operated by push button control from the filter gallery.
- Chlorination equipment includes duty standby 1 ton draw off with vacuum change over and dosing regulator with adjustment up to 6kg/hr. All required leak detection and safety equipment.



Paterson Candy International (SA)

T +27 11 794 5004

11 Ridge Road, Laser Park, Honeydew, 2170 | PO Box 308, Northriding, 2162

Reg no: 1953/001821/07

www.pciafrica.com

Directors: MJ Hughes, CO Azih, G Burton-Durham

