



CivilCraft
CONSULTING
ENGINEERS

Civil & Structural Engineers | Project Management
PO Box 8169 Centurion 0046
TEL 012 660 1563 | FAX 012 660 1565
EMAIL admin@civildcraft.co.za

Johannesburg Water (Pty) Ltd
17 Harrison Street
Marshalltown
2107

Our ref. : CC0439-G41
Your Ref. :
Date : 19/05/2008

Attention: Sonnyboy Mokgatle

RE: ERAND GARDENS EXT 33: ENGINEERING REPORT RESPONSE

In response to your correspondence dated 25 February 2008, which refers to my scoping report dated 08/06/2007. The following was requested and suggested by you:

- Use of an extended sewer connection in Erand Gardens Ext 32, rather than the outfall line in George Road.
- Flow tests on the proposed sewer line.
- Pressure tests on the available water line.

Please find included the flow and pressure tests that were done on the above services.

Sewer:

The available sewer line's (160Ø) maximum flow is currently 17%, which leaves ample available capacity. A 160Ø pipe at 1% slope has an available capacity of 20 l/s. The estimated sewer outfall for the proposed development on Erand Gardens Ext 33 is 6,045 l/s. This will bring the total sewer outfall to 9,445 l/s, which gives a total use of 47%.

Water:

The water pressure test on the available 110Ø pipe in Fourth Road ranges from 8,8 to 9,5 bar. This shows very little difference between static and dynamic pressure. The design code prescribes a range between 6,0 bar and 9,0 bar.

I trust you find the above information to your approval. Should you have further queries please feel free to contact on the given numbers.

Yours sincerely,

Wilkie Louw Pr Eng

Directors:
WH Louw (Pr Eng) R Louw (Pr Eng)

CivilCraft Consulting Engineers (Pty) Ltd
Reg No 2004/027992/07

Debbie Mull

From: Sonnyboy Mokgatle [Sonnyboy.Mokgatle@jwater.co.za]
Sent: Monday, February 25, 2008 11:01 AM
To: admin@civildraft.co.za
Subject: Engineering Report Erand Gardens extension 33

Sir

Your Engineering report submitted to Johannesburg Water for Erand Gardens extension 33 refers.

Sewer:

According to our records, there is an extended sewer line serving Erand Gardens extension 32 which in this instance will be the neighbouring stand. It is advised that the same sewer main be extended (+- 100m) to serve your proposed Erand Gardens extension 33 rather than extending to corner of George road. Please visit this proposal on site to verify the capacity of this existing sewer mains.

Water:

You are kindly requested to perform flow and pressure test on the existing 100mm water main on Fourth road for the ability to serve your proposed development. Submit the results to Johannesburg Water as soon as they become available.

Kindly revise and re-submit your Engineering report to cover the requested information.

Regards

Sonnyboy Mokgatle
Development Engineering Officer
Johannesburg Water
Tel: 011 688 1605
Fax: 011 688 1521
mail: sonnyboy.mokgatle@jwater.co.za

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