

**THE DEVELOPMENT OF A REGIONAL STORMWATER POND AND ASSOCIATED
INFRASTRUCTURE ON UNREGISTERED ERF 2001, ERF 1991 AND WITHIN A
PORTION OF THE ROAD RESERVE OF DARWIN ROAD, FISANTEKRAAL**

DEA&DP Ref: 16/3/3/1/A5/31/2048/21

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FORMAL ECO AUDIT REPORT

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ABBREVIATIONS

DEA&DP	Department of Environmental Affairs and Development Planning
DWS.....	Department of Water Affairs and Sanitation
EA	Environmental Authorization
EAP	Environmental Assessment Practitioner
ECO.....	Environmental Control Officer
EIA	Environmental Impact Assessment
EMPr.....	Environmental Management Programme
ER	Employer's representative
DEO	Designated Environmental Officer
GNEC	Guillaume Nel Environmental Consulting
I&AP	Interested and Affected Parties

INTRODUCTION

This Closure Environmental Control Officer (ECO) Report is distributed to the project team after the site audit was undertaken and to the Department.

The ECO Report is compiled in order to ensure continuous improvement with regards to environmental related matters. The aim is furthermore, to increase the contractor's compliance rating in terms of the environmental approvals, and to advise on environmental matters which might occur during construction activities. This ECO report incorporates the monthly environmental findings and furthermore may include corrective measures/actions which were taken by the contractor.

PROJECT DESCRIPTION

The development will entail the following:

- The enlargement of a channel (i.e. channel 1) located along the existing outlet channel of the temporary pond to convey peak unattenuated 1:100 year flow from the contributing catchments to a new box culvert. The new box culvert will allow the water to flow from channel 1 into channel 2. Channel 2 will discharge the water into the forebay of the regional pond.
- The regional stormwater pond will have a 2.9m deep permanent pool, which includes an aquatic bench, to attenuate runoff for 1:5 year to 1:50 year storm events. A 1.4m wide and 0.2m deep vegetated strip will be developed around the stormwater pond to form a perimeter and will provide some ecological services including pollutant removal, erosion control and conveyance and temporary storage of water. The total volume of the proposed stormwater pond will be approximately 4193.2m³.
- The stormwater pond will have an outlet structure of approximately 3.38m wide, approximately 3.33m long and approximately 1.99m high. The outlet structure will have a flap to prevent water from the river entering the stormwater pond.
- A box culvert, approximately 1.2m wide and approximately 1.2m high will be developed to allow water to be discharged into the gabion spillway/basin.
- The gabion stilling basin with a 10m wide overflow will be developed and will be provided at the 1:50 year flood level of the Mosselbank River. No formal works downstream of the stilling basin will occur;

The total footprint of the proposed development and associated infrastructure will be approximately 6500m² in extent.

GENERAL FINDINGS DURING SITE VISIT ON THE 20TH OF AUGUST 2024

No-Go areas

No works were seen outside of the construction footprint.



Spoil areas

No spoil sites have been identified by the contractor.

Stockpile areas

No stockpile areas were noted during the audit.

Topsoil

Topsoil has been placed back on site and is sufficient.



Toilets

The toilets were removed from site.

Fuel storage

No fuel spills, generators or bowzers were seen on site.

Dust/mud

The road was clean during the audit.

Cement

No cement remains were seen on site.

Litter

No litter was seen on site.

Rubble

No rubble was seen on site.

Erosion and sedimentation control

No dewatering was done on site as construction has ended, and no erosion was noted during the audit.

PROGRESS

The contractor was finished with the works during the audit.

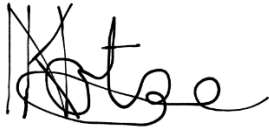


CONCLUSION

The works have been completed and was looking good, from an environmental point of view the site is closed out.

The External audit has been done and will be submitted.

Compiled by:



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