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ENVIRONMENTAL MONITORING REPORT # 5 FOR Erf 4716, GROOT BRAKRIVIER



Compiled by:

Hilland Environmental

Reference:

MOS23/1136/29

Report Period:

September 2023

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**ERF 4716, GROOTBRAK, WILLIE NEL
ENVIRONMENTAL MONITORING REPORT NO 5
September 2023**

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Submitted to:	Mr Willie Nel - Owner Mr Willie Uys – Building contractor
Copies to:	DEADP – George Mossel Bay Municipality

Report compiled by: Justin Britton – HillLand Environmental**Report reviewed by:** Cathy Avierinos & Stefan Delpot – HillLand Environmental

Environmental Monitoring Report No. 5

HillLand Environmental, the appointed Environmental Control Officer (ECO) compiled this report as the environmental monitoring report (**No.5**). This report monitors compliance against the Environmental Management Plan (Ref.: MOS23.1136.22) and constitutes the **5th** Environmental Monitoring Report and covers inspections done during **September 2023** for the construction of a residential dwelling on Erf 4716, Groot Brak.

This ECO report also covers compliance monitoring for all works to date in terms of the EA and OSCA in relation to the property. Commencement of **all listed activities** for the development must take place in accordance with the EA (16/3/3/1/D6/17/0020/22) and OSCA permit (8173062).

General notes:

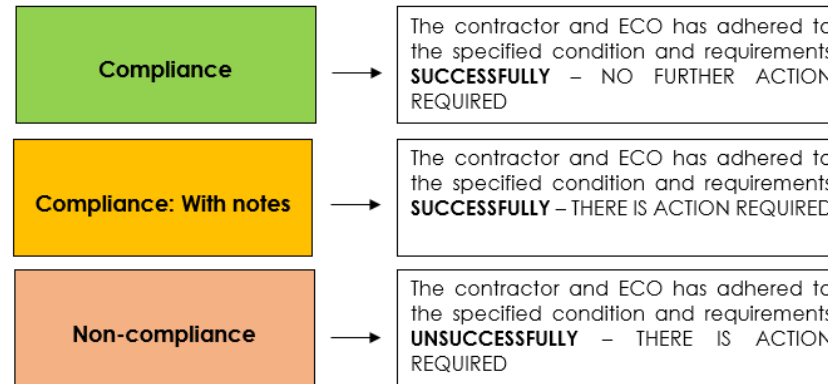
- Construction of the main house started.
- NFA license was issued (25 August 2023).

ECO monitoring during September 2023:

Date:	Comment:
8 September 2023	ECO site inspection
28 September 2023	ECO site inspection

1. CONSTRUCTION MONITORING - CHECKLIST

The following checklist was compiled by the ECO after the ECO site inspections for **September 2023**. The table lists the level of compliance with notes/comment where relevant.



EMPr requirements	Compliance	Comments / Findings	Action required
GENERAL (PRE – CONSTRUCTION)			
Environmental induction			
All construction staff must be briefed by the ECO in an environmental education programme regarding the environmental status and requirements of the site, prior to any activities commencing on site.		Environmental induction has been done. Informal environmental induction was done with the construction team on 28 th September 2023	No further action required.
The 100m from the high-water mark of the sea must be clearly demarcated on site and no activities may take place on the seawards side of that line without prior NEMA Environmental Authorisation.		Surveyor pegged the approved disturbance footprint. The deck and path will be demarcated at a later stage.	No further action required.

Demarcation of NO-GO area				
The disturbance area must be pegged out well before the commencement of activities. All areas outside the pegged footprint are considered as NO-GO areas.			Demarcation was and still is clearly visible.	No further action required.
All construction activities must be restricted to the demarcated areas to ensure that no further disturbance into the surrounding vegetation.			Demarcation was and still is clearly visible.	No further action required.
Fauna and flora				
Vegetation clearing may only commence once the EA / licenses/permits are in place.			Vegetation clearance of the housing footprint was done. The NFA license was approved and issued on 25th August 2023. No pruning/removal/disturbance of protected trees took place, tree rescued is scheduled for a later stage.	No further action required.
All disturbance areas must be inspected in conjunction with the ECO. Any transplantable species (shrubs, succulents, geophytes etc.) which occur within the construction areas should be either stored in an on-site nursery for later use in the landscaping phase or directly transplanted into the surrounding areas outside of the disturbance areas.			Plant rescue was done before the start of vegetation clearing of the house footprint. The ECO will be notified before the northern (garage) section is to be cleared and plant and trees rescue will commence. All rescued vegetation will be used in rehabilitation or replanted outside of the disturbance footprint.	No further action required.
The Milkwood and Cheesewood trees present on the property must be demarcated and protected during the build.			Milkwood and cheesewoods outside the disturbance footprint were marked with danger tape and excluded from the no-go demarcation.	No further action required.

The contractor(s) shall be responsible for ensuring all employees are aware of the need to prevent any harmful effects on wildlife on or around the construction site because of their activities.			No issues noted or reported to the ECO.	No further action required.
The contractor(s) shall ensure that no hunting, trapping, shooting, poisoning or otherwise disturbance of any fauna takes place.			No issues noted or reported to the ECO.	No further action required.
Topsoil Stripping				
As topsoil is a valuable resource, it must be stripped from all construction areas before work commences. This topsoil should be stockpiled for use in rehabilitation and landscaping and must not be contaminated with other building materials and / or subsoil.			Topsoil rescue done. Stockpile remains in the same location as indicated in previous reports.	No further action required.
CONSTRUCTION MANAGEMENT				
Site management				
Access to the property can be gained via the servitude road bisecting the property (MR6817). Movement of construction vehicles must be restricted to this servitude road and access driveways (driveway(s) at each disturbance area to be used for entrance and exit, no additional driveways) forming part of the site plan. No additional temporary access road may be created.			No additional site access routes have been created. The existing approved two entrances/driveways are being used and is demarcated.	No further action required.
Ablution facilities (chemical toilets) are to be provided at the campsite for use of the staff (one toilet per 15 people).			Ablution facility is in place and kept clean.	No further action required.

A fenced-off area must be created within the campsite for refuse and waste management.			There is no need to create an extra area for waste and refuse, however, suitable litter bin/skip is required during the construction phase. Upon the previous request of litter picking the contractor has ensured that the site is kept neat and clean.	Add a litter bin and/or skip for construction waste and general litter. Include the no littering topic in the regular toolbox talks.
Soil erosion and stormwater management				
Stringent mitigation measures must be imposed during construction to minimise runoff, possible silt run-off and contamination of water leaving the site (especially into the adjacent 'natural' areas), with the use of silt-fencing, rows of onion bags, mulch, brushwood, sandbags, and deflection berms (the choice depending on the situation). These mitigation measures are essential in all exposed areas.			No mitigation was required during this monitoring period. Demarcation around the site doubles as a silt fence. No erosion noted below the gabion retaining wall.	No further action required.
Concrete and cement works				
No mixing to be done in environmentally sensitive areas or areas where there is a high risk of cement contaminated water entering the natural area and / or non-perennial stream.			Concrete / cement mixing started and is contained within the development area. Mixing is done in the swimming pool area – i.e., permanent disturbance area.	No further action required.
Concrete batching takes place on an impermeable surface to prevent any soil related contamination.			Mixing is done in the swimming pool area – i.e., permanent disturbance area.	Suitable bunding is required to prevent accidental pollution of the undeveloped areas.

2. CONSTRUCTION MONITORING – PHOTOGRAPHIC RECORD

Photographic record of site ECO site inspections.

Photographic record	Comments and requests
	Demarcation around the site is to the satisfaction of the ECO and clearly visible. Foot/wheel-barrow path is demarcated with wooden planks.
	Vegetation is starting to grow on the topsoil stockpile which will help with potential dust.



No additional access points have been established.



Concrete / cement mixing is done in the swimming pool area – permanent disturbance area.

Suitable bunding such as sandbags, wooden planks, plastic lining etc. is required when mixing cement/concrete to prevent accidental pollution of the natural vegetation.

3. CONCLUSION

No-go demarcation remains in place and is maintained, foot/wheel-barrow path is demarcated with wooden plank.

Suitable litter bin/skip is required for building rubble and general litter.

The contractor and owner are compliant with the EMPr and OSCA requirements.