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ENVIRONMENTAL MONITORING REPORT # 7

FOR

Erf 4716, GROOT BRAKRIVIER



Compiled by:

Hilland Environmental

Reference:

MOS23/1136/31

Report Period:

November & December 2023

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**ERF 4716, GROOTBRAK, WILLIE NEL
ENVIRONMENTAL MONITORING REPORT NO 7
Report period: November & December 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: Stefan Delpont & Justin Brittion – Hilland Environmental**Report reviewed by:** Inge Delpont – Hilland Environmental

Environmental Monitoring Report No. 7

HillLand Environmental, the appointed Environmental Control Officer (ECO) compiled this report as the environmental monitoring report (**No.7**). This report monitors compliance against the Environmental Management Plan (Ref.: MOS23.1136.22) and constitutes the **7th** Environmental Monitoring Report and covers inspections done during **November & December 2023** for the construction of a residential dwelling on Erf 4716, Groot Brak. Construction will end for the festive season and continue in January 2024 after the season.

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:

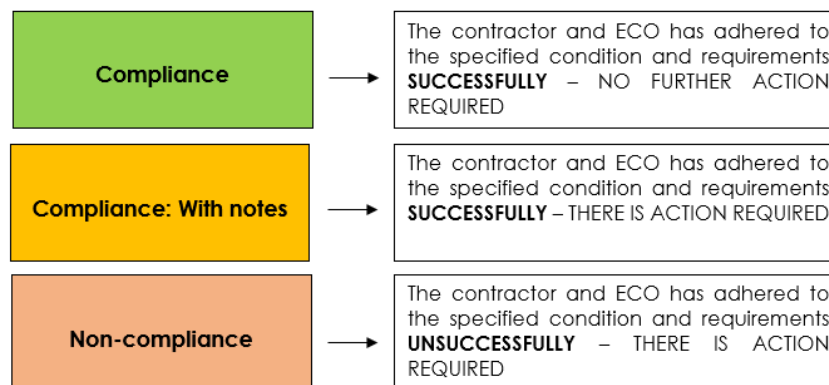
- Construction of the main house is ongoing.
- NFA license was issued (25 August 2023) – protected trees to be transplanted.
- Ensure litter do not enter the surrounding environment.

ECO monitoring during October 2023:

Date:	Comment:
09 November 2023	ECO site inspection
14 November 2023	ECO site inspection
24 November 2023	ECO site inspection
8 December 2023	ECO site inspection

1. CONSTRUCTION MONITORING

The following checklist was compiled by the ECO for the ECO site inspections during **November & December 2023**. The table lists the level of compliance with notes/comments where relevant.



1.1. EMPr and OSCA requirements

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.	No 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 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 clearly visible.	No action required.
All construction activities must be restricted to the demarcated areas to ensure that no further disturbance into the surrounding vegetation.			Demarcation clearly visible.	No 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 during this reporting period, transplant of the milkwood tree to be done, ECO to be notified by the contractor. A site has already been established in conjunction with the ECO to where the tree will be transplanted to.	No 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 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 remain undisturbed. NFA licence in place for transplant of milkwood tree in footprint of garage.	No action required.
The contractor(s) shall be responsible for ensuring			No issues noted or reported to the ECO.	No action required.

all employees are aware of the need to prevent any harmful effects on wildlife on or around the construction site because of their activities.				
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 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 position.	No 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 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 action required.
A fenced-off area must be created within the campsite for refuse and waste management.			A waste and building rubble storage area has been created (within the building activity zone). Litter picking to be done on a regular basis.	Continue with best practice as done during this monitoring report.

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 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 contained within the development area. Mixing moved from swimming pool area to an impermeable surface that forms part of the house footprint.	No action required.
Concrete batching takes place on an impermeable surface to prevent any soil related contamination.			Mixing done on top of impermeable surface – i.e., permanent disturbance area.	No action required.

1.2. Environmental Authorisation (EA) Conditions

Compliance with EA (16/3/3/1/D6/17/0020/22 – dated 24 March 2023) conditions were checked during this monitoring period.

No change from the findings of the previous ECO monitoring report.

1.3. Photographic record

Photographic record of ECO site inspections.

Photographic record	Comments and requests
	Milkwood tree to be transplanted, contractor to notify ECO.
	Topsoil stockpile in the disturbance footprint. Ongoing reminder to keep the topsoil stockpile free from listed invasive alien plants and building material.
	The waste and building rubble storage area next to the container had to be removed due to construction progression. Waste is still being gathered and removed. <u>Request:</u> The ECO request regular toolbox talks regarding litter picking. Chicken parades are suggested to keep the surrounding footprint free from litter.



No-go demarcation in place. The contractor is requested to re-install the demarcation up to the gabion wall to prevent accidental damage or disturbance to the no-go area.



Concrete batching on top of building foundation.

2. CONCLUSION

No-go demarcation is in place and generally well maintained, the small section between the gabion wall and no-go fence is still to be re-installed. Cement batching is on a non-permeable surface (house footprint). Litter is managed on site and regular litter picking (chicken parades) is recommended.

The contractor and owner are compliant with the EMPr, OSCA, and EA requirements/conditions.