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### ENVIRONMENTAL MONITORING REPORT # 12

#### FOR

#### *Erf 4716, GROOT BRAKRIVIER*



Compiled by:

**Hilland Environmental**

Reference:

**MOS24/1136/37**

Report Period:

**June 2024**

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**ERF 4716, GROOTBRAK, WILLIE NEL  
ENVIRONMENTAL MONITORING REPORT NO 12  
Report period: June 2024**

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

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## **Environmental Monitoring Report No. 12**

HillLand Environmental, the appointed Environmental Control Officer (ECO) compiled this report as the environmental monitoring report (**No.12**). This report monitors compliance against the Environmental Management Plan (Ref.: MOS23.1136.22) and constitutes the **12<sup>th</sup>** Environmental Monitoring Report and covers inspections done during **June 2024** 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), NFA and OSCA permit (8173062).

General notes:

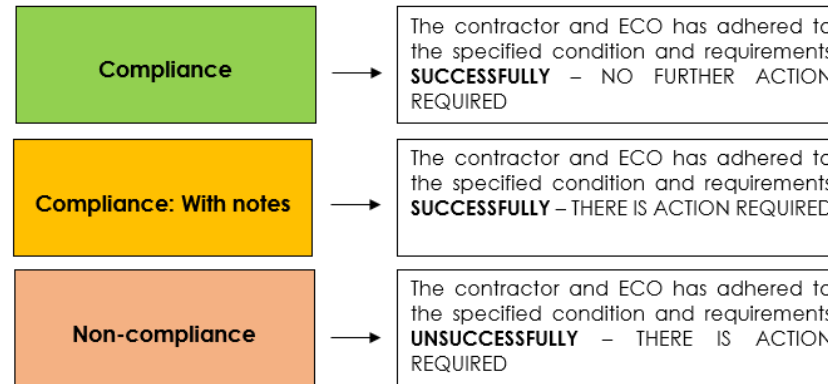
- Construction of the main house is ongoing.
- NFA license was issued (25 August 2023) – protected trees were transplanted.

ECO monitoring during **June** 2024:

| <b>Date:</b> | <b>Comment:</b>     |
|--------------|---------------------|
| 20 June 2024 | ECO site inspection |

## 1. CONSTRUCTION MONITORING

The following checklist was compiled by the ECO for the ECO site inspections during **June 2024**. 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     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>GENERAL (PRE – CONSTRUCTION)</b>                                                                                                                                                                    |            |                                                                                                                       |                     |
| <b>Environmental induction</b>                                                                                                                                                                         |            |                                                                                                                       |                     |
| 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 pegged and demarcated at a later stage. | No action required. |

|                                                                                                                                                                                                                                                                                                                                                           |  |  |                                                                                                                                                                                                                                                                                      |                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>Demarcation of NO-GO area</b>                                                                                                                                                                                                                                                                                                                          |  |  |                                                                                                                                                                                                                                                                                      |                     |
| 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 of house and garage site is clearly visible – clear-vu fence has been installed.                                                                                                                                                                                         | 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. |
| <b>Fauna and Flora</b>                                                                                                                                                                                                                                                                                                                                    |  |  |                                                                                                                                                                                                                                                                                      |                     |
| Vegetation clearing may only commence once the EA / licenses/permits are in place.                                                                                                                                                                                                                                                                        |  |  | Vegetation clearance of the housing and garage footprint was done and completed.                                                                                                                                                                                                     | 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.<br><br>Plant rescue was done before the northern (garage) section was cleared.<br><br>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 - <b>done</b> .                                                                          | No 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 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 action required. |
| <b>Topsoil Stripping</b>                                                                                                                                                                                                                                                                                                                                  |  |  |                                                                                                                                                                                                                                                                                      |                     |
| As topsoil is a valuable resource, it must be stripped from all construction areas before work commences. This topsoil should be stockpiled for                                                                                                                                                                                                           |  |  | Topsoil rescue done.                                                                                                                                                                                                                                                                 | No action required. |

|                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |                                                                                                                                                                                                                                                          |                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| use in rehabilitation and landscaping and must not be contaminated with other building materials and / or subsoil.                                                                                                                                                                                                                                                                                                |  |  |  |                                                                                                                                                                                                                                                          |                     |
| <b>CONSTRUCTION MANAGEMENT</b>                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |                                                                                                                                                                                                                                                          |                     |
| <b>Site management</b>                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |                                                                                                                                                                                                                                                          |                     |
| 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.<br><br>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.                                                                                                                                                                                                                                                                                                                            |  |  |  | The waste and building rubble stored in a fence area.<br><br>Litter picking to be done on a regular basis.                                                                                                                                               | No action required. |
| <b>Soil erosion and stormwater management</b>                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |                                                                                                                                                                                                                                                          |                     |
| 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.<br><br>Demarcation around the main house site doubles as a silt fence.<br><br>No erosion noted below the gabion retaining wall.<br><br>Retaining blocks (north) of garage is the silt barrier. | No action required. |

| <b>Concrete and cement works</b>                                                                                                                                                  |  |  |  |                                                                                                                                                                                       |                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| 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.<br><br>An impermeable surface that forms part of the house footprint is being used where cement is mixed. | 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.

## 1.3. Photographic record

Photographic record of ECO site inspections.

| Photographic record                                                                                                                  | Comments and requests                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p data-bbox="400 1093 549 1122">(20.06.2024)</p>  | <p data-bbox="927 495 1544 562">The garage site has been fenced off with ClearVu fencing.</p>                                                                                             |
|  <p data-bbox="400 1736 549 1765">(20.06.2024)</p> | <p data-bbox="927 1144 1544 1279">The shade cloth demarcation fence has been removed from the northern side of the house and the boundary wall (as per the SDP) has been constructed.</p> |



(20.06.2024)

No litter and rubble noted outside the No-go demarcation.



(20.06.2024)

Ablution facilities are available on site.



(20.06.2024)

No-Go area in front of the house is clean and no litter noted.



(20.06.2024)

Paving around the main house.



(20.06.2024)

The bare sand areas around the garage site have been brush packed to protect the exposed areas from erosion and promote revegetation - no soil erosion noted

## 2. CONCLUSION

Building rubble and litter are stored within the construction site (in bins/skips). The No-Go demarcation around the garage and main house were replaced with clear-vu fence - done. The rescued trees must be watered and fed (compost) – ongoing. Alien plants are under control - removal of alien plants are ongoing and must continue.

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