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ENVIRONMENTAL MONITORING REPORT #1

FOR

Erf 4716, Grootbrak, Willie Nel



Compiled by:

HillLand Environmental

Reference:

MOS23.1136.25

Report Period:

May 2023

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**ERF 4716, GROOTBRAK, WILLIE NEL
ENVIRONMENTAL MONITORING REPORT NO 1
May 2023**

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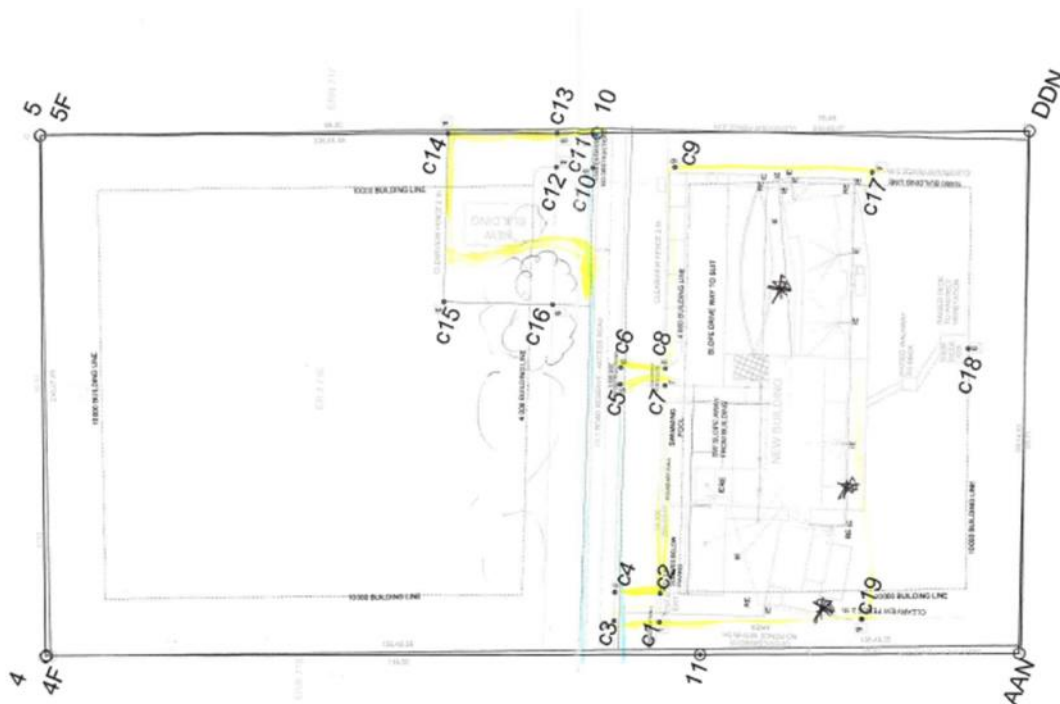
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Submitted to:	Mr Willie Nel - Owner Mr Willie Uys – Building contractor
Copies to:	DEADP – George Mossel Bay Municipality

Report compiled by: Justin Britton – Hilland Environmental**Report reviewed by:** Cathy Avierinos & Stefan Delpont – Hilland Environmental

This ECO report covers compliance monitoring for all works to date in terms of the EMPr and the EA 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).

The surveyor installed the required pegs to demarcate the building footprint (see attached map). This footprint was marked off with twine and danger tape and served as the initial no-go demarcation (24th April 2023).



All vegetation within the footprint was cut using chainsaw and kapmes and was left for removal by the main building contractor. The majority of the site was covered with

MOS23.1136.25

Acacia cyclops and *Searsia crenata* together with copious dead material left from previous alien clearing activities.

All bulbous plants (*Anapalina* sp) were collected as discovered during the vegetation clearing process and are being held off-site for later use in the rehabilitation phase.

Vegetation clearing and plant rescue was undertaken during the period 25th April to 5th May 2023.

During the vegetation clearing process a protected tree within the garage area to the north of the road was identified that had not been included on the original survey and as such this was communicated to DFFE Forestry and an application to transplant was submitted to Forestry together with the approved building plans. Application submitted on the 4th May 2023 a notice of the submission was sent to the Mossel Bay Municipality for record purposes.

See photos included in section 4 Fauna and flora below.

To date the NFA licence or any response to communications submitted has not been received from DFFE – as such no further activities have taken place within the northern development footprint until the NFA licence is issued and transplant can take place.

Once all the vegetation within the working zone had been cut the contractor commenced with removal of the material with a TLB and trucks in preparation for topsoil stockpiling and preparation of the platform.

2. ENVIRONMENTAL INDUCTION

Environmental induction was done with the construction team on the **8th May 2023**. The ECO must be notified prior to new staff joining the team to arrange for additional environmental induction session(s).



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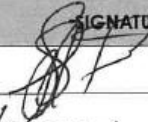
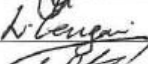
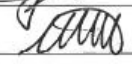
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ENVIRONMENTAL INDUCTION REGISTER

Erf 4716 Mr Nel House

DATE: 08-5-2023

Project: 1136

NAME & SURNAME	SIGNATURE
G. BELLARD - HIR 355 - Civils	
LINDILE CENGANI - Operator	
Wille WYS - Contractor	
Stefan Delpart (ECO)	
Nkosinathi Zondo	
Justin Britton (ECO)	

Environmental induction – 8 May 2023

3. NO-GO / SITE DEMARCATION

Initial site demarcation (twine and danger tape) was replaced by a full shade net fence as the site clearing continued.

On the completion of environmental induction, all people working on the project are aware of the boundaries in which work is to be restricted.

Those areas in which no disturbance is allowed (outside of the development footprint and allowable working area) are **no-go areas** and may not be disturbed without written approval by the ECO.

All boundaries in which work is to be done **MUST** be fenced with shade netting at all times. Compliance will be monitored until the end of construction.

- Construction of the main housing (south of MR6817) is in progress and demarcation of this area has been done.
- It was reported to the ECO that several of the wooden poles (for the demarcation fencing) were stolen during the first week of June 2023. The matter was reported to the SAPS. It is recommended that a night watchman be appointed to safeguard any material and equipment on site during the construction phase due to the remoteness of the site.



2023.05.10 – Demarcation of the disturbance footprint is clearly indicated, and no-go areas are visible.



2023.05.12 – Shade netting doubles as a silt fence, ensuring that soil erosion is minimized.

The main building contractor (Alicente Construction – Mr. Willie Uys) requested permission for a temporary construction water tank be placed outside the demarcated NO-GO area to allow for gravity feed into the water tank. Based on a site inspection a position was agreed where there were piles of historically cut alien vegetation. A method statement was issued to the contractor on the 22nd May 2023, with the following conditions:

The construction phase water storage tank may be installed as discussed on Friday, 19th May 2023 with the following procedure/conditions:

Conditions of placement:

-) The NO-GO area outside the agreed position where water tank will be placed must not be disturbed.
-) The water tank must be demarcated with shade netting.
-) Staff must not use this area during breaks/lunch etc.
-) The area may not exceed the surface area of the water tank.
-) Removal of the cut vegetation within the proposed area **must be done by hand.**
-) Access to the tank must be limited to open the water valve in the morning, and close at night.
-) The ECO must be notified when actions are to commence, thereafter, the ECO will inspect the operations on the following visit.
-) **No protected trees or indigenous vegetation are to be harmed/removed during the installation or the use of the construction water storage tank.**

Actions of placement:

-) **ONLY** remove cut branches of the surface area of the water tank, **by hand**.
-) Place water tank on the existing surface (no need to excavate or level).
-) Demarcate the area with shade netting to prevent entering the NO-GO area.
-) Disconnect and remove the water tank once no longer required.
-) Rehabilitate the area (if required – ECO to recommend).



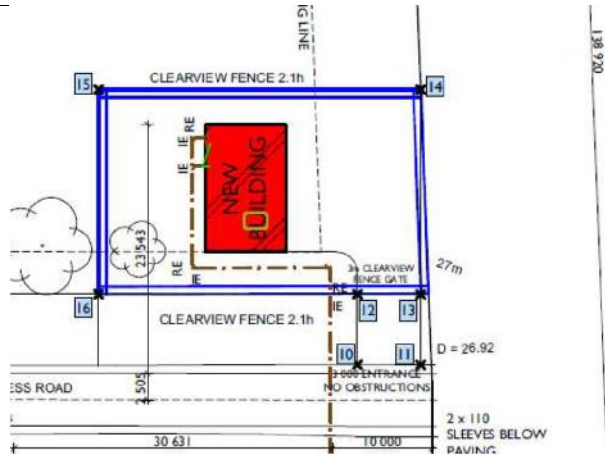
The contractor has not executed the method statement. This installation will be monitored and reported on when complete.

4. Fauna and Flora

Plant search and rescue and vegetation clearing were done once the disturbance footprint was pegged by the surveyor. All protected Milkwood and Cheesewood trees that were found within (and around) the approved footprint of the property have been properly demarcated and will remain unharmed and undisturbed during the construction phase.

There is a single multi-stemmed Milkwood tree in the footprint of the garage (northern section) that will be transplanted under a NFA license. The NFA license application was submitted on **4 May 2023**.

Several piles of dumped rubble (construction and household) were uncovered during vegetation clearing. This appears to be a regular occurrence and the area in general seems to be used for illegal dumping of garden refuse and other waste. This has been reported to the municipality to see if they can address the problem.



2023.05.04 – Map indicating the position of the milkwood tree. This map was included in the NFA application.



2023.05.04 – milkwood tree in the garage area demarcated.



2023.05.04 – Cheesewood tree marked. This tree is outside of the demarcated disturbance footprint (twine behind the tree).

This tree is not to be removed or harmed throughout the entire duration of construction.



2023.05.04 – Milkwood cluster (north of the bisecting road).

This tree cluster will remain undisturbed.



2023.04.25 – Clearing of vegetation by hand within the footprint



2023.04.25 – Vegetation within the footprint was cleared by three staff members of HillLand Environmental. Using pangas and a chainsaw.

- Search and rescue was done on the property before earthworks started (2023/05/04).
- As stipulated in the EMPr, the topsoil is to be kept separate and reused in final rehabilitation around the building.

The Environmental Authorisation (EA) has specific conditions regarding the fences on the southern portion of the property.

Nr.	Condition
20. The holder must adopt and implement the following specific development parameters:	
20.1.	The security fence on the southern portion of the property must be aligned to 100 meters from the high-water mark of the sea as per the survey done by CDJ Land Surveyors (Ref Gf225-Sketch plan, dated 23 September 2022). A gate may be installed to gain access to the boardwalk and viewing deck.
20.2	The remaining security fences on the portion of property located south of the road MR6817 must follow the alignment which is setback from the boundary line as depicted on the Site Development Plan. No fences may be erected on the eastern and western property boundaries.
20.3	The security fence on the portion of the property located on the north of the road must follow the alignment as depicted on the Site Development Plan (See Annexure 2).
20.4	All ecological corridors must be managed for a conservation use.

- No permanent fences have been installed to date – only the temporary construction shade net is in place around the building zone.

5. Soil and erosion management

Topsoil (upper organic layer) was rescued and stockpiled for later use during rehabilitation. The building contractor must ensure that the topsoil is kept separate from any other subsoil or construction material to prevent contamination.

The no-go demarcation doubles as a silt trap – the bottom 200mm of the shade netting is buried into the soil to limit silt movement under the fence.

A gabion wall will be constructed on the southern platform edge of the development footprint for stability and erosion protection.

Bulk earthworks of the first section (lower level) commenced on (2023/05/11).



2023.05.12 – the bottom 200mm of the shade netting is buried to act as silt trap.



2023.05.25 – western no-go fence.



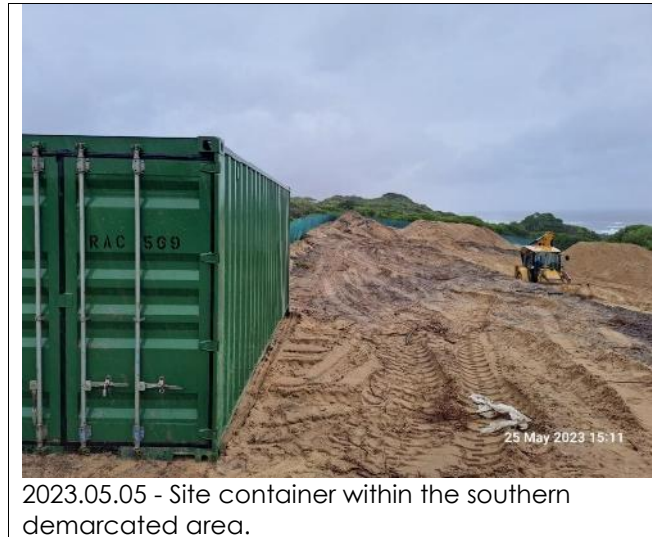
Topsoil stockpile

6. Construction site camp

The site camp is located within the already demarcated disturbance footprint; no new/additional clearing is allowed for this purpose.

The main contractor must ensure that there is a bin/skip for building rubble and litter and sufficient ablution facilities for the staff. Waste needs to be separated into recyclable and non-recyclable waste based on the municipal sorting requirements.

The portable toilet must be tied down and regularly serviced.



7. Conclusion

Plant search and rescue and vegetation clearing commenced and the disturbance footprint was demarcated using green shade netting. A NFA license application was submitted for the removal/transplant of a single multi-stemmed milkwood in the footprint of the garage (northern section) – 4 May 2023. Topsoil is stockpiled and bulk earthworks for the building platform have commenced.

It was reported to the ECO that several of the no-go demarcation wooden poles were stolen during the first week of June 2023 – the matter was reported to the local SAPS.