

Hilland Environmental

Environmental Assessment Practitioners

166 Mount View, Victoria Heights
P.O. Box 590, GEORGE, 6530
Western Cape, South Africa

Tel: +27(0)44 889 0229
Fax: +27 (0) 86 542 5248
Mobile: + 27 (0) 82 5586 589
E-mail: info@hilland.co.za
www.hilland.co.za

ENVIRONMENTAL MONITORING REPORT # 6

FOR

Erf 4716, GROOT BRAKRIVIER



Compiled by:

Hilland Environmental

Reference:

MOS23/1136/30

Report Period:

October 2023

ISSUED BY:

HillLand Environmental

PO Box 590

George, 6530

Tel: 044 889 0229

Fax: 086 542 5248

E-mail: cathy@hilland.co.za / environmental@hilland.co.zaWebsite: www.hilland.co.za

**ERF 4716, GROOTBRAK, WILLIE NEL
ENVIRONMENTAL MONITORING REPORT NO 6
October 2023**

Conditions of report use:

The report is the property of the sponsor and the author, who may publish it, in whole, provided:

- 1 That written approval is obtained from the author and that **HillLand Environmental** is acknowledged in the publication;
- 2 That **HillLand Environmental** is indemnified against any claim for damages that may result from publication;
- 3 The contents of this report may not be used for purposes of sale or publicity or advertisement without the prior written approval of **HillLand Environmental**.
- 4 That it is understood that **HillLand Environmental** accepts no responsibility for the contractor's failure to follow the recommended programme.
- 5 That it is understood that **HillLand Environmental** accepts no responsibility for the contractor's deviation or non-compliance to any specifications or guidelines provided in the report.
- 6 That it is understood that all figures, plates, and diagrams are copyrighted and may not be reproduced by any means, in any form, in part or whole.

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. 6

Hilland Environmental, the appointed Environmental Control Officer (ECO) compiled this report as the environmental monitoring report (**No.6**). This report monitors compliance against the Environmental Management Plan (Ref.: MOS23.1136.22) and constitutes the **6th** Environmental Monitoring Report and covers inspections done during **October 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:

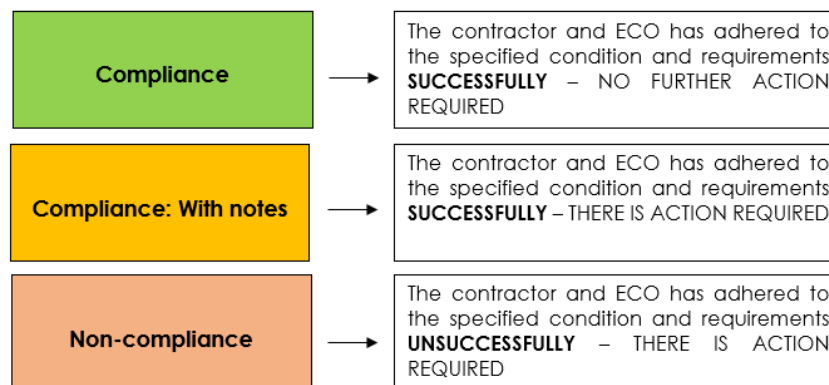
- Construction of the main house is ongoing.
- NFA license was issued (25 August 2023) – protected trees still to be rescued.

ECO monitoring during October 2023:

Date:	Comment:
10 October 2023	ECO site inspection
24 October 2023	ECO site inspection

1. CONSTRUCTION MONITORING

The following checklist was compiled by the ECO for the ECO site inspections during **October 2023**. The table lists the level of compliance with notes/comment 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 was and still is 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 was and still is 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 25 th August 2023. No pruning/removal/disturbance of protected trees took place during this reporting period, tree rescue is scheduled for November 2023.	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 (anticipated November 2023). 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 are outside the no-go demarcation.	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.

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 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 was done and must continue.	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,			No mitigation was required during this monitoring period. Demarcation around the site doubles as a silt fence.	No action required.

mulch, brushwood, sandbags, and deflection berms (the choice depending on the situation). These mitigation measures are essential in all exposed areas.			No erosion noted below the gabion retaining wall.	
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 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 is 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 are checked during this monitoring period. The following table summarizes the EA conditions with comments, where applicable.

Condition	Requirement	Comment
Condition 1:	This Environmental Authorisation is granted for the period from date of issue until 31 March 2028 (validity period), during which period the Holder must ensure that the: (a) physical implementation of all the authorised listed activities is started with and concluded at the site; (b) construction monitoring and reporting requirements are undertaken at the site and submitted to the Competent Authority in time to allow said authority to process such documents timeously; (c) post construction rehabilitation and monitoring requirements is undertaken and completed at the site; and (d) environmental auditing requirements are complied with; and that such auditing is finalised in time to allow the competent authority to be able to process the environmental audits timeously within the specified validity period.	Compliant – a – clearance of indigenous vegetation started in the southern portion. Construction of the boardwalk and deck will be constructed in due course (before 31 March 2028). b – monthly monitoring reports area submitted to the competent authority. c - still in construction phase. d – condition to note
Condition 2:	The construction phase of the Environmental Authorisation is subject to the following: 2.1 The Holder must finalise the post construction rehabilitation and monitoring requirements within a period of 3-months from the date the development activity (construction phase) is concluded.	N/A – still in construction phase.
Condition 3:	The Holder is authorised to undertake the listed activities specified in Section B above in accordance with the Preferred Alternative described in the FBAR dated 16 January 2023 on the site as described in Section C above. This Environmental Authorisation is only for the implementation of the Preferred Alternative which entails: The Holder is herein authorised to undertake the following activities that includes the listed activities as it relates to the clearance of indigenous vegetation for the construction of the primary dwelling and associated structures and	

	infrastructure. Also, the development of structures and infrastructure within 100 metres of the high water mark of the sea. The specific details of the proposed development on the property comprises of the following: • Primary house, driveway, parking and garden south of the road – 2955.52m²; • Outbuilding and driveway north of the road – 567.18m²; • Raised boardwalk and deck – approximately 50m²; • The total clearance of vegetation will be approximately 3760.3 m². The remainder of the property will not be cleared of indigenous vegetation and will be managed for a conservation use. The development must be implemented in accordance with the layout developed by Ryan Hamilton Architectural Design (dated January 2023) Drawing number MD08 (Annexure 2) subject to the specific development parameters.	Currently busy with construction of the primary house south of the road. To follow in due course. To follow in due course. Southern development footprint has been cleared. Ongoing invasive alien plant clearing.
Condition 4:	This Environmental Authorisation may only be implemented in accordance with an approved Environmental Management Programme ("EMPr").	Compliant – The updated EMPr was approved - 9 th May 2023.
Condition 5:	The Holder shall be responsible for ensuring compliance with the conditions by any person acting on his/her behalf, including an agent, sub-contractor, employee, or any person rendering a service to the Holder.	Compliant – The holder remains responsible.
Condition 6:	Any changes to, or deviations from the scope of the alternative described in section B above must be accepted or approved, in writing, by the Competent Authority before such changes or deviations may be implemented. In assessing whether to grant such acceptance/approval or not, the Competent Authority may request information in order to evaluate the significance and impacts of such changes or deviations, and it may be necessary for the Holder to apply for further authorisation in terms of the applicable legislation.	No deviation has been recorded.
Condition 7:	The Holder must in writing, within 14 (fourteen) calendar days of the date of this decision– 7.1. notify all registered Interested and Affected Parties ("I&APs") of – 7.1.1. the decision reached on the application; 7.1.2. the reasons for the decision as included in Annexure 3; 7.1.3. the date of the decision; and 7.1.4. the date when the decision was issued. 7.2. draw the attention of all registered I&APs to the fact that an appeal may be lodged against the decision in terms of the National Appeal Regulations, 2014 (as amended) detailed in	Compliant – 7.1 to 7.4 - Notification of EA complied with the requirements and was sent to all registered I&AP's on 24th March 2023.

	Section G below; 7.3. draw the attention of all registered I&APs to the manner in which they may access the decision; 7.4. provide the registered I&APs with the: 7.4.1. name of the Holder (entity) of this Environmental Authorisation, 7.4.2. name of the responsible person for this Environmental Authorisation, 7.4.3. postal address of the Holder, 7.4.4. telephonic and fax details of the Holder, 7.4.5. e-mail address, if any, of the Holder, 7.4.6. contact details (postal and/or physical address, contact number, facsimile and e-mail address) of the decision-maker and all registered I&APs in the event that an appeal is lodged in terms of the 2014 National Appeals Regulations (as amended). 7.5. The listed activities, including site preparation, must not commence within 20 (twenty) calendar days from the date the applicant notified the registered I&APs of this decision. 7.6. In the event that an appeal is lodged with the Appeal Authority, the effect of this Environmental Authorisation is suspended until the appeal is decided i.e. the listed activities, including site preparation, must not commence until the appeal is decided.	7.5 - Notification of commencement was sent to the department on 24th April 2023. 7.6 - No appeals have been lodged.
Condition 8:	Seven calendar days' notice, in writing, must be given to the Competent Authority before commencement of any activities. 8.1. The notice must make clear reference to the site details and EIA Reference number given above. 8.2. The notice must also include proof of compliance with the following conditions described herein: Conditions no.: 7, 10 and 12.	Compliant – Notification (MOS23.1136.23) was sent to the department on 24th April 2023. 8.1 - included in the notification letter. 8.2 - Included in the notification letter.
Condition 9:	Seven calendar days' written notice must be given to the Competent Authority on completion of the construction activities.	Condition to note – still in construction phase.
Condition 10:	10. The draft or Environmental Management Programme ("EMPr") submitted as part of the application for Environmental Authorisation must be amended and submitted to this Department for approval prior to commencement of any activities on the site: 10.1. The EMPr must be amended to incorporate the following — 10.1.1. Incorporate all the conditions given in this Environmental Authorisation; 10.1.2. All monthly ECO reports to be submitted to	Compliant – The EMPr was updated to include these requirements and was approved – 9 th May 2023.

	the competent authority. 10.1.3. Include the auditing schedule as set out by this Environmental Authorisation. 10.1.4. A revised site	
Condition 11	The EMPr must be included in all contract documentation for all phases of implementation.	The Updated EMPr was sent to the contractor (and holder) on 24th April 2023 for implementation.
Condition 12:	The Holder must appoint a suitably experienced Environmental Control Officer ("ECO"), for the duration of the construction and rehabilitation phases of implementation contained herein.	Compliant – HillLand environmental is the appointed ECO.
Condition 13:	The ECO must – 13.1. be appointed prior to commencement of any works (i.e. removal and movement of soil); 13.2. ensure compliance with the EMPr and the conditions contained herein; 13.3. keep record of all activities on the site; problems identified; transgressions noted and a task schedule of tasks undertaken by the ECO; 13.4. remain employed until all development activities are concluded, and the post construction rehabilitation and monitoring requirements are finalised; and 13.5. the ECO must conduct site inspections at least every 2 (two) weeks and must submit ECO Monitoring Reports on a monthly basis to the competent authority.	Compliant – 13.1 - ECO appointment is dated 24th April 2023 – before commencement. 13.2 – ongoing 13.3 – ongoing and included in the ECO monitoring reports (this report). 13.4 ongoing 13.5 - ongoing
Condition 14:	A copy of the Environmental Authorisation, EMPr, any independent assessments of financial provision for rehabilitation and environmental liability, closure plans, audit reports and compliance monitoring reports must be kept at the site of the authorised activities and be made available to anyone on request, and where the Holder has website, such documents must be made available on such publicly accessible website.	Condition to note – the EA, approved EMPr and OSCA permit must be kept on site.
Condition 15:	Access to the site referred to in Section C must be granted, and the environmental reports mentioned above must be produced, to any authorised official representing the Competent Authority who requests to see it for the purposes of assessing and/or monitoring compliance with the conditions contained herein.	Compliant – no issues reported during the department's compliance monitoring inspection – 7 th September 2023.
Condition 16:	The Holder must, for the period during which the environmental authorisation and EMPr remain valid ensure the compliance with the conditions of the environmental authorisation and the EMPr, is audited.	Ongoing – first environmental audit is due in April/May 2024
Condition 17:	The frequency of auditing of compliance with the conditions of the environmental authorisation and of compliance with the EMPr, must adhere to the following programme: 17.1. Auditing during the non-operational phase (construction activities): 17.1.1. During the period which the development activities have been commenced with on the site,	Ongoing – first environmental audit is due in April/May 2024

	the Holder must ensure annual environmental audit(s) are undertaken and the Environmental Audit Report(s) submitted annually to the Competent Authority. 17.1.2. A final Environmental Audit Report for the construction phase (non-operational component) must be submitted to the Competent Authority within three (3) months of completion of the construction phase.	
Condition 18:	The Environmental Audit Report(s), must– 18.1. be prepared and submitted to the Competent Authority, by an independent person with the relevant environmental auditing expertise. Such person may not be the ECO or EAP who conducted the EIA process; 18.2. provide verifiable findings, in a structured and systematic manner, on– 18.2.1. the level of compliance with the conditions of the environmental authorisation and the EMPr and whether this is sufficient or not; and 18.2.2. the ability of the measures contained in the EMPr to sufficiently provide for the avoidance, management and mitigation of environmental impacts associated with the undertaking of the activity. 18.3. identify and assess any new impacts and risks as a result of undertaking the activity; 18.4. evaluate the effectiveness of the EMPr; 18.5. identify shortcomings in the EMPr; 18.6. identify the need for any changes to the avoidance, management and mitigation measures provided for in the EMPr; 18.7. indicate the date on which the construction work was commenced with and completed or in the case where the development is incomplete, the progress of the development and rehabilitation; 18.8. indicate the date on which the maintenance/ rehabilitation was commenced with and the progress of the rehabilitation; 18.9. include a photographic record of the site(s) applicable to the audit; and 18.10. be informed by the ECO reports.	Note to external auditor. First environmental audit is due in April/May 2024
Condition 19:	The Holder must, within 7 calendar days of the submission of the audit report to the Competent Authority, notify all potential and registered I&APs of the submission and make the report available to anyone on request and on a publicly accessible website (if applicable).	Note to external auditor. First environmental audit is due in April/May 2024
Condition 20:	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	20.1 – Site development plan was updated and submitted with the EMPr. Fence and gate are not yet installed.

	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.	20.2 – no fences installed yet. Fences will be installed as per the approved SDP – set back from the property boundary. 20.3 – no fences installed yet. Fence will be installed as per the approved SDP. 20.4 – ongoing.
Condition 21:	Should any heritage remains be exposed during excavations or any other actions on the site(s), these must immediately be reported to the Provincial Heritage Resources Authority of the Western Cape, Heritage Western Cape. Heritage remains uncovered or disturbed during earthworks must not be further disturbed until the necessary approval has been obtained from Heritage Western Cape. Heritage remains may only be disturbed by a suitably qualified heritage specialist working under the directive of the relevant Heritage Resources Authority. Heritage remains include meteorites, archaeological and/or paleontological remains (including fossil shells and trace fossils); coins; indigenous and/or colonial ceramics; any articles of value or antiquity; marine shell heaps; stone artefacts and bone remains; structures and other built features with heritage significance; rock art and rock engravings; shipwrecks; and/or graves or unmarked human burials including grave goods and/or associated burial material.	No heritage remains have been identified.

2. PHOTOGRAPHIC RECORD

Photographic record of ECO site inspections.

Photographic record	Comments and requests
	Protected trees as applied for in the NFA license have not yet been removed/rescued – not necessary at this stage.
	Topsoil stockpile remains undisturbed. Ongoing reminder to keep the topsoil stockpile free from listed invasive alien plants.
	The waste and building rubble storage area next to the container. The waste and building rubble is being removed.
	No-go demarcation is still 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.

3. CONCLUSION

No-go demarcation is in place and maintained, the small section between the gabion wall and no-go fence must be re-installed. Cement batching is on a non-permeable surface (house footprint). Litter is managed on site.

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