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ENVIRONMENTAL MONITORING REPORT No. 1

FOR

*The Development of the Garden Walk on the Remainder of Portion 58
of the Farm Hartenbosch 217, Hartenbos*



Compiled by:

Hilland Environmental

Reference:

MOS25/1262/13

Report Period:

January and February 2025

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GARDEN WALK DEVELOPMENT

ON THE REMAINDER OF PORTION 58 OF THE FARM HARTENBOSCH 217, HARTENBOS, NO

1

Report period: January and February 2025

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HillLand Environmental Internal review process:

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Environmental Monitoring Report No. 1

HillLand Environmental, the appointed Environmental Control Officer (ECO) compiled this report as the environmental monitoring report (**No.1**). This report monitors compliance against the Environmental Management Programme (EMPr, Ref.: MOS24.1262.12) and constitutes the **1st Environmental Monitoring Report** and covers inspections done during **January and February 2025** for the construction of the Garden Walk development on the Remainder of Portion 58 of the Farm Hartenbosch 217, Hartenbos.

This ECO report also covers compliance monitoring for all works to date in terms of the EA in relation to the property. Commencement of **all listed activities** for the development must take place in accordance with the EA (16/3/3/5/D6/18/0006/24).

Notification of commencement letter was sent to the Department of Environmental Affairs and Development Planning (DEA&DP) on **27th November 2024**.

Environmental induction was done with earthworks contractor and staff on site on **16th January 2025** and **11th February 2025** with the main building contractor. The internal Health, Safety and Environmental officer of MBC has been inducted by the ECO and will be doing environmental inductions with their staff as staff changes on site.

ECO monitoring during **January and February 2025**:

Date:	Comment:
09 December 2024	Site handover: Site Walk & Site Meeting
08 January 2024	Site inspection
16 January 2025	Environmental Induction & Site inspection
23 January 2025	Site inspection
28 January 2025	Site meeting (MS Teams)
30 January 2025	Site inspection
06 February 2025	Site inspection
11 February 2025	Site inspection & site meeting
13 February 2025	Site inspection
20 February 2025	Site inspection
25 February 2025	Site inspection & site meeting

1. CONSTRUCTION PHASE MONITORING CHECKLIST

The following checklist was compiled by the ECO for the ECO site inspections during **January and February 2025**.

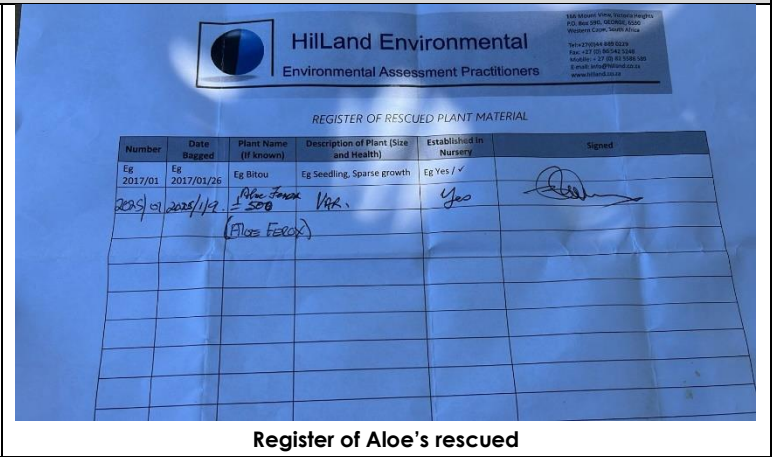
EMPr Requirement	Level of Compliance	Comments / Findings	Photo's (if applicable)
Construction Site camp			
The site camp area must be indicated and approved by the ECO.	DONE	The site camp was approved by the ECO. Earthworks contractor: The site camp is within the fenced off development footprint. Building contractor: site camp situated in areas as per the approved method statement.	 Hill and Environmental Garden Walk 30.01.2025 12:29 34.10635, 22.11047 R102 NE Earthworks contractor site camp
Storage sites for construction material and access must be approved by the ECO prior to commencing (and areas will require rehabilitation after use).	Compliant	All construction material is currently stored in the development footprint/site. Existing access to the property used. Access point will shift to the access as indicated on the site plan in due course.	 Hill and Environmental Garden Walk 30.01.2025 11:21 34.10633, 22.11047 R102 NE

			 Hilland Environmental Garden Walk 25.02.2025 10:55 -34.10558, 22.11217 R102 NW Site camp and screen fence in place
Environmental Induction			
All civil construction staff should be briefed by the ECO in an environmental education programme.	Compliant	Environmental induction was done with all staff on site on 16 January 2024 (Jodan construction). Induction was done with the main contractor (MBC) management team on 11 February 2025. DEO does induction with new staff as they arrive on site.	

Stormwater Management				
Silt fencing must be installed at the stormwater outlet point until the site is re-vegetated and silt is no longer evident.	Compliant	Sandbags were placed in stormwater channel of the provincial road, to capture any silt from the site. These "silt traps" are cleaned out regularly as observed on site. The stormwater outlet point is not yet installed.		

			 Hill and Environmental Garden Walk 25.02.2025 14:12 21410681 22-10868 P102117721 W Sandbags in place in stormwater channels
In the case of contaminated water run-off, silt can be stopped by means of sandbags and following the rain the contaminated area should be cleaned.	Not yet necessary	There has been no contaminated run-off noted or reported to the ECO during this reporting period.	
The stormwater system must be protected through the installation of additional silt-fencing and re-vegetation of exposed areas.	Not yet necessary	The stormwater system has not yet been installed.	

Fauna and Flora

A record of the rescued plants must be kept.	Compliant / DONE	Extensive plant rescued was done prior to vegetation clearing and earthworks commenced. A record of plants rescued is in place: Approximately 1000 Aloes' were rescued. The local nursery is looking after some of the aloes that will be replanted during rehabilitation phase. Extra rescued plants were donated to neighbouring estates to use in their rehabilitation programme. One (1) milkwood was transplanted/rescued in accordance with the NFA permit.	
Any transplantable species (tree seedlings, shrubs, succulents, geophytes etc.) which occur within the construction areas (development footprint) should be stored in an on-site / off-site nursery for later use in the landscaping phase.	Compliant	All visible aloes were rescued /transplanted. Some of the aloes went to an off-site nursery adjacent to the property for safekeeping and to be planted into rehabilitation.	

			 Hill Land Environmental Garden Walk 16.01.2025 13:00 34.10906 22.10968 13102  Hill Land Environmental Garden Walk 16.01.2025 13:00 34.10906 22.10968 13102
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The removal, pruning, transplant and / or disturbance of the protected Milkwood tree will require a Section 15 NFA licence.	DONE	An NFA licence was obtained (licence number WC-GR-0238-2024-25) for the single Milkwood tree in the development footprint. The Milkwood tree was removed and transplanted in the open space in Outeniquabosch Lifestyle Village (across the R102 from the Garden Walk property).	  Transplanted Milkwood already sprouting new leaves
Should any animal be caught up or trapped in the construction area, the ECO should be requested to assist.	Not yet necessary	No incidents have been noted or reported to the ECO.	
The contractor(s) shall ensure that no hunting, trapping, shooting, poisoning or otherwise disturbance of any fauna takes place.	Compliant	No non-compliance noted.	

Soil Protection

Topsoil must be stripped to stockpile from all construction areas before work commences in that specific area.	DONE	Topsoil has been stripped. Only the required volume (approximately 2500m ³) of topsoil for rehabilitation and landscaping has been stockpiled and demarcated with signs. The excess has been removed from the site as agreed by the ECO.	
The topsoil must be stockpiled for use in rehabilitation and landscaping and must not be contaminated with other building materials and / or subsoil.	Compliant	The topsoil has been stockpiled for rehabilitation and landscaping and demarcated – signs.	
The stockpiles must be protected against erosion including wind (vegetation can be permitted to grow on the stockpile to keep it secure and prevent wind movement. No alien invasive plants may grow on the stockpile).	Compliant	No issues noted.	
No topsoil stripping is to take place prior to the completion of the plant rescue programme.	Compliant	Topsoil was stripped after plant rescue was complete.	

The silt fencing needs to be installed where indicated by the ECO.	Not yet necessary	Not yet required – mainly earthworks in progress at this stage. Silt fences will be required at the low points and stormwater outlets.	
All topsoil on the site will be stripped at least 200mm Deep, 2500m ³ of topsoil will be retained on site for future use in the landscaping area.	Compliant	Approx. 2500m ³ of topsoil was stockpiled on site – the rest was removed from the site as according to the amount of topsoil required for rehabilitation and landscaping.	 Hill and Environmental Garden Walk 06.02.2025 12:59 34°6'23.27"S 22°6'37.82"E R102
No bare or exposed areas are to be left for a period of more than 2 months.	Ongoing	Clearing of the entire site was done and construction is in progress.	
Ablution Facilities			
Ablution facilities (chemical toilets) are to be provided at the campsite for use of the staff (one toilet per 15 people).	Compliant	Sufficient ablution facilities are provided on site, both for Jodan Construction and MBC.	 Hill and Environmental Garden Walk 06.02.2025 12:59 34°6'23.27"S 22°6'37.82"E R102

The contractor shall ensure that the toilet(s) are emptied regularly and also before weekends and public holiday periods.	Compliant	No environmental issues noted. Toilet service provider was noted on site during ECO site inspection.	
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Heritage Resources

Although not anticipated, should it be suspected that an object or structure of heritage value has been uncovered during earthworks or the clearing of vegetation (including but not limited to bones, burial sites, structures older than 50 years, stone tools, shell middens, pottery etc.), then all work is to immediately cease, and the ECO is to be contacted to inform Heritage Western Cape (HWC). Work shall not recommence until HWC have visited the site, inspected the object in question and advised on how to proceed.	Compliant	The ECO discovered a shell during ECO site inspection (30 January 2025). A professional archaeologist was consulted and confirmed that the find is not significant as it is out of context and that no further action is required.	 Heritage Environmental Garden Walk 30.01.2025 11:42 31.10657, 22.11025 10192 SE
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Access To the Site

Primary access has been approved from the MR344 (R102) at a point approximately 280m north-east of the intersection between the R102 (MR344) and DR6804.	Compliant	Controlled access to the site is from the R102.	 Heritage Environmental Garden Walk 28.02.2025 11:11 24.106422, 18.641 10205 - 21.01.2025 NE Controlled access
The contractor(s) must ensure that vehicles leaving the site are clean and, wherever possible, do not deposit mud, any other earth material and	Ongoing	Mud deposits on the R102 are cleaned regularly.	

concrete on the road surface. Where this is unavoidable, it must be cleaned on a daily basis and may not be permitted to enter the storm water system.			
Site Agent			
The main contractor shall appoint a responsible agent to ensure that they comply with this EMP and all its conditions.	Compliant	SHE - Aphiwe Mteyise – MBC – acting DEO on site. SHE - Twashe Kurwasruba – Jodan Construction	
Local Labour			
It is strongly recommended that local labour is used for the construction phase of this project. "Local" implies people within the Mossel Bay area.	Ongoing	Labour and service providers are recruited from the Mossel Bay area as far as possible.	
Working Areas & Demarcation			
All areas outside of the property will be regarded as 'no-go' areas (except where installation of services will be required).	Ongoing	No personnel go outside of the property. The accidental clearing to install the boundary fence in the road reserve of the R102 must be rehabilitated.	

No-Go areas will be required to be demarcated by the contractor to ensure that they are visible at all times, to all personnel.	Compliant	The working area (development site) is being demarcated with a 1.8m wire fence and shade netting.	 HillLand Environmental Garden Walk 25.02.2025 11:08 34.10861, 22.11012 N  HillLand Environmental Garden Walk 25.02.2025 11:08 34.10861, 22.11012 NW
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The total footprint of a building zone / phase should be demarcated with 1.5 m (height) shade cloth for the entire period of the construction.	Compliant	The development zone is demarcated with a 1.8m wire fence and shade netting.	 Hilland Environmental Garden Walk 30.01.2025 11:24 34.10995, 22.11246 N2 Installation in progress  Hilland Environmental Garden Walk 25.02.2025 11:08 34.10861, 22.11013 N2
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			 HillLand Environmental Garden Walk 25.02.2025 11:11 34.10702 22.10941 R102 Site clearly demarcated  HillLand Environmental Garden Walk 25.02.2025 11:07 34.10842 22.11057 NZ Retaining wall construction in progress with demarcation of working zone
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Storage of Construction Material			
All stockpile sites to be approved by the ECO and/or landowner, prior to the commencement of stockpiling.	Compliant & ongoing	Current stockpile area is within the development zone. No other stockpiles outside the development zone.	
All stockpile sites within the development area are to be demarcated with silt-fences and/or danger tape, where necessary.	Compliant & ongoing	The construction material stockpile in the development zone is demarcated with orange netting fencing.	
All construction material should be stored within the site camp / boundary (if space allows it).	Compliant	The construction material is stored next to the site camp, and it is fenced off with orange netting.	
Any material removed from bulk earthworks that is not going to be used as part of the cut and fill, MUST be removed from site to an approved disposal site immediately.	Compliant	Majority of the subsoil was used for cut and fill operation within the development footprint. Excess topsoil and subsoil have been removed from the site.	

Fire Protection

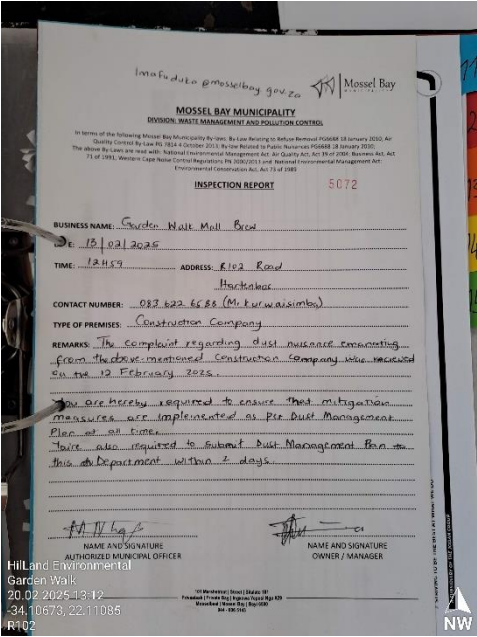
No open fires or naked flames for heating or cooking shall be allowed anywhere on site.	Compliant	No open fires or naked flames have been noted on site. Firefighting equipment is available on site.	 HillLand Environmental Garden Walk 06.02.2025 12:59 34°6'23.77"S 22°6'38.29"E R102 Firefighting equipment is in place
Cigarettes may not be disposed of onsite and must be disposed of properly in receptacles for this purpose.	Ongoing	no environmental issues noted to date.	
No burning of waste on any part of the site should be permitted.	Compliant	No non-compliance noted.	

Waste Management

A dedicated area must be created within the campsite for refuse and waste management.	Compliant	A dedicated waste area is in the site camp.	 HillLand Environmental Garden Walk 23.01.2025 12:18 34°10'38.22"S 110°46' R102
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It is recommended that an integrated waste management approach must be used that is based on waste minimisation and must include reduction, recycling, re-use and disposal where appropriate.	Ongoing	The main activity on site during this reporting period was bulk earthworks.	
Recycling must be encouraged on-site and recycling bins must be provided and clearly marked.		Minimal waste was generated – once construction activities commence an integrated waste management system should be fully implemented.	
Disposal of all waste materials must be done at suitable facilities. No dumping of any waste material on or off-site is permitted.	Compliant	No dumping noted during the ECO site inspections.	 Hazardous material storage area
Documentary evidence of all disposed contaminated products, waste or residues, which have been generated during the construction phase must be kept.	N/A	No contaminated products have been generated.	

Litter to be removed from the site on a daily basis and kept in closable bins.	Compliant & ongoing	Limited to no litter noted during ECO site inspections. Regular litter picking is done.	 Hill and Environmental Garden Walk 25.02.2025 11:05 -34.10739, 22.11145 N2 Site is free of litter
Concrete and Cement Works			
Any concrete batching plant areas are to be approved by the ECO prior to utilisation.	Ongoing	Early stages of construction – retaining wall construction in progress and therefore there are limited concrete/cement works – ready mix is used	
No ready-mix trucks are permitted to rinse their tanks on site or along the access roads to and from the site.	Ongoing	No non-compliance noted.	
Any spillage is to be immediately cleaned by the responsible contractor / supplier / owner.	Not yet necessary	No spillage noted.	
Bunding through the use of sandbag walls around any mixing areas is recommended.	Not yet necessary	Early stages of construction – retaining wall construction in progress and therefore there are limited concrete/cement works – ready mix is used	
All concrete must be mixed on trays / on thick plastic and not on the soil.	Ongoing		
Noise and Dust Management			
Work must be limited to normal working hours as dictated by the local authority.	ongoing	No environmental issues noted or reported to the ECO.	

Dust mitigation measures should be implemented as required.	ongoing	Dust complaint(s) are recorded in environmental file. Regular dust suppression is done – watering exposed areas. Excessive wind on 12 February 2025 has resulted in dust nuisance. A dust nuisance complaint was received, and Municipal inspection was done on 13 February 2025 – dust mitigation record sheet is kept in the environmental file.	 Hilland Environmental Garden Walk 16.01.2025 13:26 34.10727, 22.1093 R102  Municipal inspection report
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Alien invasive vegetation to be removed	Ongoing	The contractor must ensure ongoing hand-pulling of the <i>Datura</i> plants – ECO can assist with identification if required. It is important to remove these plants before they start producing seeds and spread.	 Fulland Environmental Gordon Walk 28/02/2025 11:11 64-10704 22-10943 B102 NE Alien vegetation within disturbed areas to be hand-pulled
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2. Conclusion

Plant search and rescue was completed in January 2025 and the plants are kept and looked after in an off-site nursery.

All topsoil has been stripped and the required amount for rehabilitation and landscaping has been stockpiled.

The working area is demarcated with a 1.8m wire fence.

Construction of the retaining walls and earthworks have commenced.

No non-compliance was noted during this reporting period. The contractor and developer are compliant with the EMPr and EA.