



## **ECO COMPLIANCE REPORT**

### **SUNSET VILLA**

#### **REMOVAL OF DAMAGED WALL ON SEAFRONT AND CONSTRUCTION OF NEW STRUCTURE**

**S24G Reference No.: 14/211 IF 1 17/Sunset Restaurant, Laaiplek**

**May 2021**



**DOCUMENT NAME:**

Sunset Villa, removal of damaged wall on seafront and construction of new geo-container revetment structure.

**PROJECT NUMBER:**

Report No.5\_Close out

**DATE:**

20/05/2021

**REPORT STATUS:**

FINAL

**CARRIED OUT BY:**

GroenbergEnviro (Pty) Ltd

**COMMISSIONED BY:**

Hasal Beleggings CC  
Represented by Johan Nel

**AUTHOR(S):**

Nerine Coertzen

**CLIENT CONTACT DETAILS:**

PO Box 177  
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**SYNOPSIS:**

See Below

**CONTRACTOR:**

Southern Engineering (Pty) Ltd

**PREPARED BY:**

GroenbergEnviro (Pty) Ltd



# 1 INTRODUCTION

Southern Oceaneering (Pty) Ltd has been appointed as the contractor responsible for the remedial work necessary at Sunset Villa. This includes removal of the old damaged structure remaining on site, as well as construction of a geo-container revetment.

The Environmental Management Programme and contractor's Method Statement was checked during the early stages of the construction and accepted.

A site visit was undertaken on **12 May 2021** to monitor compliance with the requirements of the Environmental Authorisation and Environmental Management Programme Report (EMPr). **As all construction was complete, a close-out inspection was undertaken. An additional visit was undertaken on 19 May 2021 to ensure that all machinery and the storage container was removed.**

The report consists of the following sections:

- Section 2 – Compliance with the environmental specifications and conditions as included in the Environmental Authorisation,
- Section 3 – Compliance with the Environmental Management Programme report and site inspection checklist,
  - Each comment has been numbered as per the ECO report number, the comment will be updated **in red** if the comment changes in a future ECO report,
- Section 4 – The photographs **from the close-out site visit on 12-05-2021,**
- **Section 5** – The photographs from the **site visit on 19-05-2021,**
- **Section 6** - The conclusion.

## 2 IMPLEMENTATION OF THE ENVIRONMENTAL AUTHORISATION (EA)

Condition	Compliance
<b>1. Conditions of EA</b>	
1. The holder is authorised to undertake the listed activities specified in Section C above in accordance with and restricted to Alternative 1 described in the EIR dated 14 December 2015 on the site as described in Section D above.	Compliant. Amended EMP submitted to DEA&DP on 11 May 2016.
2. This Environmental Authorisation is valid for a period of five (5) years from the date of the decision.	Compliant Activities commenced before the EA lapsed.
3. The development must be concluded within three (3) years from the date of continuation of the first listed activity.	Compliant Activities on-going.
4. 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
5. Any changes to, or deviations from the scope of the alternative described in Section F 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.	Compliant No deviations proposed at this stage.
6. Written notice to the Competent Authority 6 Seven (7) calendar days' notice, in writing, must be given to the Competent Authority before commencement of construction activities. 6.1 The notice must make clear reference to the site details and 24G Reference number given above. 6.2 The notice must also include proof of compliance with conditions of 7, 8, 9 and 17.	Compliant DEA&DP was notified of the start of construction activities on 7 June 2016, with proof of condition 7, 8 9 and 17. However the applicant started with a "sectioning off" of his restaurant in order to demolish the existing closed terrace (as per the EA), which did not entail any construction activities. This was detailed in the letter to DEA&DP on 30 September 2016. Notification of the commencement of construction activities was given to DEA&DP on 18 March 2021.
7. Notification and administration of an appeal 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 outcome of 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 Appeals Regulations 2014 detailed in Section I below. 7.3 draw the attention of all registered I&APs to the manner in which They may access the decision.	Compliant I&AP notifications were distributed on 11 May 2016.

Condition	Compliance
<p>7.4 provide the registered I&amp;APs with:</p> <p>7.4.1 The name of the holder (entity) of this Environmental Authorisation;</p> <p>7.4.2 name of the responsible person for this Environmental Authorisation;</p> <p>7.4.3 postal address of the holder;</p> <p>7.4.4 telephonic and fax details of the holder;</p> <p>7.4.5 e-mail address, if any, of the holder; and</p> <p>7.4.6 the contact details (postal and/or physical address, contact number, facsimile and e-mail address) of the decision-maker and all registered I&amp;APs in the event That an appeal is lodged in terms of The National Appeal Regulations, 2074.</p>	
8. The listed activities, including site preparation, may not commence within 34 (thirty-four) calendar days from the date of issue of this Environmental Authorisation. 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.	Compliant Construction activities did not commence within 34 days from the issuing of the EA.
<p>9. The draft Environmental Management Programme ("EMPr") compiled by Pieter Badenhorst Professional Services CC of November 2015 and submitted as part of the application for environmental authorisation must be amended to address the following aspects, and must then be re-submitted to the Competent Authority within three (3) months of the date of issue of this EA for approval prior to commencement of construction.</p> <p>9.1 Page 5 of The EMPr provides the layout of the proposed structure. The alternative being made reference to is a "deck on piles/column foundation with rock protection". This alternative must be changed to make reference to the latest preferred alternative, as contained in the additional information dated 04 February 2016- i.e., a deck on piles with geo-containers. Therefore, throughout the EMPr where reference is made to rocks, this should be replaced with geo-containers.</p> <p>9.2 The construction phase section of The EMPr should include the measures that will be utilised to prevent, control and remediate possible oil spills that could be released from vehicles involved during construction activities.</p> <p>9.3 Furthermore, you are requested to include the measures that will be utilised to prevent and remediate possible erosion around the proposed structure, as part of the operational phase section.</p>	Compliant The amended EMP was submitted on 11 May 2016.
10. Once The amended EMPr is approved, it must be included in all contract documentation for all phases of implementation.	Compliant
11. An application for amendment to the EMPr must be submitted to the competent authority if any further amendments are to be made to the EMPr. In particular, but not limited to, amendments to address future maintenance of the structure. This may only be implemented once the amended EMPr has been authorised by the competent authority.	Compliant No further changes anticipated.
12. The holder must appoint a suitably experienced Environmental Control Officer ("ECO"), or Resident Engineer ("RE") or Environmental Office ("EO") where appropriate, before commencement of construction activities to ensure compliance with the EMPr and the conditions confined herein.	Compliant GroenbergEnviro has been appointed as ECO.
13. A copy of The Environmental Authorisation, EMPr, audit reports and compliance monitoring reports must be kept at the site of the authorised activities, and must be made available to anyone on request.	Compliant The documents are present on site.

Condition	Compliance
14. Access to the site referred to in Section D 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
15. In terms of regulation 34 of the EIA Regulations 2014 the holder must conduct environmental audits to determine compliance with the conditions of the Environmental Authorisation, the EMPr and submit Environmental Audit Reports to the Competent Authority annually, until such time as the competent no longer require such audit to be undertaken. The Audit Report must be prepared by an independent person and must consider all the information required in Appendix 7 of the EIA Regulations 2014. The holder must, within 7 (seven) days of the submission of the report to the Competent Authority, notify all potential and registered I&APs of the submission and make the report available to anyone on request.	The applicant should undertake this activity in future.
16. Should any heritage remains be exposed during excavations or any other actions on the site, 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 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. A qualified archaeologist and/or palaeontologist must be contracted where HGCGSSOFY (at the expense of the holder) to remove any heritage remains. Heritage remains can only be disturbed by a suitably qualified heritage specialist working under a directive from the relevant heritage resources authority.	Compliant since no heritage remains were found to date.
17. Consent from Berg River Municipality to have the toe protection of the proposed seawall extended along the entire length of the southern section of Erf 792 must be submitted within six (6) months of the date of issue of this Environmental Authorisation.	Compliant. Consent from Berg River Municipality submitted to DEA&DP on 11 May 2016.

### 3 IMPLEMENTATION OF ENVIRONMENTAL MANAGEMENT PROGRAMME (EMPr)

Actions	Responsible	Compliant/ Non-compliant 😊/😞	Status	When
<b>1. Contractual Obligations</b>				
Has the contractor acknowledged receipt of copies of the EMP and confirmed in writing that he has familiarised himself with the contents thereof? Has the contractor co-operated fully with the RE/ECO/EO and used his best endeavours to ensure that the objectives of the EMP were fulfilled in the course of the Contractor's execution of the works or the relevant part thereof?	Contractor	😊	The contractor has acknowledged receipt of the documents and stated that he has familiarised himself thereof.	No further action required.
Did the contractor erect an information board containing background information for the construction activity with relevant contact details for complaints?	Contractor	😊	Information boards were removed.	No further action required
Did all workers receive environmental awareness training on the requirements of the EMP. Was the ECO informed in writing of the implementation?	Contractor	😊	Environmental awareness training to all new employees completed on 15/04/2021. Environmental file updated.	No further action required
Was working hours enforced from 7:00pm to 18:00pm Monday to Saturday? No work will be allowed on Sundays or public holidays. Deliveries will only be allowed between 8:00am and 5pm. Were workers housed on site?	Contractor	😊	All work has been completed.	No further action required
<b>2. Method Statements</b>				
Method Statement (MS) for site establishment.	Contractor	😊	Method Statement submitted on 14/04/2021.	No further action required.
Method statement for: <ul style="list-style-type: none"> <li>Removal of the existing wall;</li> <li>Building of the geo-container revetment.</li> </ul>	Contractor	😊	Method Statement was acknowledged and accepted on 14/04/2021.	No further action required.
Are all environmental documents kept on site, including a copy of the EA and EMP, record of attendance and complaints register?	Contractor	😊	All work has been completed.	No further action required
<b>3. Demarcation and Site Camp (not included in the EMP, included as general good practice)</b>				
Has the site been screened prior to commencement of construction?	Contractor	😊	All site screenings were removed, as shown below.	Check next site visit.





**Figure 1: Site screening removed**



Are good housekeeping practiced on site?	Contractor	😊	The site has been satisfactorily rehabilitated and is tidy. All equipment was removed. The garbage can was replaced. No debris or litter was observed on site.	No further actions required.
Are there ablution facilities available?	Contractor	😊	The mobile ablution was still present at the close-out visit, and to be removed the next day. This unit has been removed at site visit of 19 May 2021	No further actions required.



**Figure 2: Mobile ablution still present on site 12-05-2021 (left) but removed on 19-05-2021 (right)**

Is the camp or offices located in an environmentally sensitive area?	Contractor	😊	The site office and storage container were still present at the close-out visit, and to be removed the next day. These units were removed at site visit of 19 May 2021 as shown above in Figure 2.	No further actions required.
Were signage placed in suitable locations to warn members of the public of construction activities taking place and to limit access to work areas that may pose a safety risk?	Contractor	😊	All necessary warning and information signs had been removed.	No further actions required.


Were survey pegs and reference markers for the specific works placed and confirmed by the engineer and contractor? The contractor is solely responsible for the setting out of the works from the pegs and reference marks.	Contractor / Engineer	😊	Survey pegs had been removed.	No further actions required.
Have the no-go areas been maintained to prevent unauthorized access and injury to third parties?	Contractor	😊	All necessary warning and information signs were removed.	No further actions required.
Are construction materials and vehicles limited to designated areas?	Contractor	😊	Construction materials have been packed away. The excavator was still present on site (as shown in Figure 1) at the close-out visit, to ensure that any changes the ECO wanted could be done before the machinery was removed the next day. At the site visit of 19 May 2021 all vehicles and materials had been removed as shown above in Figure 2.	No further actions required.
The contractor shall be responsible for the sufficiency and capacity of equipment, machinery, and tools to undertake the services.	Contractor	😊	All machinery on site is in good working condition.	No further actions required
Are the necessary environmental reporting conducted?	ECO	😊	This report is the fifth and close-out ECO report.	No further actions required
<b>4. Trenching (not applicable at this stage)</b>				
<p>Was trenching for services undertaken in accordance with the engineering specifications (SABS 1200DB) with the following environmental amplifications, where applicable?</p> <ul style="list-style-type: none"> <li>Trenching shall be kept to a minimum through the use of single trenches for multiple service provision.</li> <li>The planning and selection of trench routes shall be undertaken in liaison with the Engineer/ECO/EO and cognisance shall be given to minimising the potential for soil erosion.</li> <li>Trench routes with permitted working areas shall be clearly defined and marked with painted stakes prior to excavation.</li> <li>The stripping and separation of topsoil shall occur as stipulated by the Engineer/ECO/EO. Soil shall be excavated and used for re-filling trenches using the rollover method, i.e., soil from the first trench section shall be stockpiled. Thereafter, soil excavated from subsequent trench lengths shall be used to backfill the trench behind it once the services have been laid. The</li> </ul>	Not applicable.	-	Not applicable.	Not applicable.

<p>final trench length shall be re-filled using the soil stockpiled from the first length.</p> <ul style="list-style-type: none"> <li>• Trench lengths shall be kept as short as practically possible before backfilling and compacting.</li> <li>• Trenches shall be re-filled to the same level as (or slightly higher to allow for settlement) the surrounding land surface to minimise erosion. Excess soil shall be stockpiled in an appropriate manner.</li> <li>• Immediately after re-filling, trenches and associated disturbed working areas shall be replanted or resurfaced to obtain the pre-trench conditions unless otherwise specified.</li> </ul>				
<p>Were the following implemented for trenching in ecologically sensitive environments on slopes or through wetlands?</p> <ul style="list-style-type: none"> <li>• The upper 250 mm of soil (topsoil, which includes roots and leaf litter) shall be placed on one side of the trench within the specified working corridor.</li> <li>• The remainder of the soil shall be placed on the other side or kept separate as is practical.</li> <li>• Topsoil and subsoil may not be mixed at any time, since this impedes the restoration process following closure.</li> <li>• Following the cable/ pipe laying operation, soils are to be replaced in the order in which they were excavated, i.e., subsoil must be replaced first and capped with the topsoil; and, Brush-cut plant material is to be replaced (scattered) within the working corridor on either side of the closed trench. This method reduces erosion, protects the vegetation within the working corridor, and conserves the topsoil and seed-banks.</li> </ul>	Not applicable.	-	Not applicable.	Not applicable.
<b>5. Sensitive Environments</b>				
Has vehicles been allowed onto the beach without a permit?	Contractor	😊	The permit application was submitted to the Department of Environment, Forest and Fisheries: Oceans and Coasts Branch on 3 May 2021. All effects of the movement of the excavator on the beach has been removed, as can be seen below.	Permit submitted.



**Figure 3: Beach profile restored 19-05-2021**



Is any work undertaken near or below the high mark of the sea without a permit?	Contractor	😊	The permit application was submitted to the Department of Environment, Forest and Fisheries: Oceans and Coasts Branch on 3 May 2021. All effects of the movement of the excavator on the beach has been removed, as can be seen above.	Permit submitted.
Has any natural material been removed from below the high-water mark without a permit?	Contractor	😊	All work has been completed on site. No material was removed from below the high-water mark.	No further actions required
Has the contractor ensured that no physical damage occurred to any aspects of the watercourse, other than that necessary to complete the works as specified and in accordance with the accepted method statement?	Contractor	😊	No damage occurred to any aspects of the watercourse. The construction of the geo-container revetment will ensure that erosion is limited in future. All work is done in accordance to the method statements. All effects of the movement of the excavator on the beach has been removed.	No further actions required
<b>6. Waste Management</b>				
Is the site kept clean and tidy? (e.g., litter free, good housekeeping)	Contractor	😊	The site has been rehabilitated satisfactorily and is neat and tidy. No litter is present.	No further actions required
Is there waste separation on site/ areas provided for facilitating recycling and waste segregation?	Contractor	😊	The waste bin was replaced on site as shown below.	No further actions required
				
<b>Figure 4: Waste bins on site</b>				

Is construction waste/ recyclable waste and general waste removed off-site regularly?	Contractor	😊	The waste bin was replaced on site	No further actions required
<b>7. Vehicles and Access</b>				
Is any movement of vehicles permitted outside of the designated areas	Contractor	😊	All work on site has been completed.	No further actions required
Did the contractor exercise sufficient control to restrict all work to the area within the marked boundaries?	Contractor	😊	All work on site has been completed.	No further actions required
Were dust control measures implemented on site where necessary?	Contractor	😊	All work on site has been completed.	No further actions required
Are access and haul roads maintained by the contractor? This maintenance includes adequate drainage and side drains, dust control and restriction of edge use.	Contractor	😊	The hard-top parking area was sufficiently restored as shown below.	No further actions required



**Figure 5: Hard-top parking area restored. 12-05-2021 (left) and 19-05-2021 (right)**

Were all roads kept clear of mud and sand?	Contractor	😊	All access roads were left in a good condition.	No further actions required
Were all temporary access roads used by the contractor rehabilitated to their original condition on completion of the contract?	Contractor	😊	All access roads were left in a good condition.	No further actions required
Were any damage caused to the existing access roads as a result of the construction activities repaired?	Contractor	😊	All access roads were left in a good condition.	No further actions required
Did users of haul roads exceed 45 km/h (cars)/ 15 km/h	Contractor	😊	All work on site has been completed.	No further actions required



(trucks)?				
Were traffic safety measures considered in terms of entrance and exiting onto public roads?	Contractor	😊	All work on site has been completed.	No further actions required
Were appropriate traffic warning signs erected and maintained?	Contractor	😊	All work on site has been completed.	No further actions required
Were trained and equipped flagmen used where the access road intersects with any public roads?	Contractor	😊	All work on site has been completed.	No further actions required
Was attention paid to minimising disruption of the flow of traffic and reducing the danger to other road users and pedestrians?	Contractor	😊	All work on site has been completed.	No further actions required
<b>8. Fuel and Oil Spills</b>				
Did the Contractor ensure that fuels and chemicals (e.g., drums of fuel, grease, paint, oil, brake fluid, hydraulic fluid) are stored and handled so as to minimise the risk of spillage and that appropriate steps are taken to prevent the pollution in the event of a spill?	Contractor	😊	All work on site has been completed.	No further actions required
In the event of a spill or leak of product, was such incident reported to all the relevant authorities and Directorate: Pollution Management in accordance with Section 30(10) of NEMA?	Contractor	😊	No spills or leaks occurred. All work on site has been completed.	No further actions required
Was all fuel, oil, chemicals etc. confined to specific and secured areas within areas of low environmental importance within the construction sites, and in a way that does not pose danger of pollution? Were these materials stored in a bunded area with adequate containment (at least 1, 5 times the volume of fuel) for potential spills or leaks? Was the fuel dispenser hung within the bunded area while not in use?	Contractor	😊	All work on site has been completed.	No further actions required
Did the contractor stand any equipment that may leak, and does not have to be transported regularly, on watertight drip trays to catch any pollutants? Were the drip trays a sufficient size so that the equipment could be placed inside it? Were drip trays cleaned regularly?	Contractor	😊	No spills or leaks occurred. All work on site has been completed.	No further actions required
Did the contractor ensure that rainwater does not run off in areas containing cement, oil, diesel etc. and thus result in a pollution threat?	Contractor	😊	All work on site has been completed.	No further actions required
Were any hazardous waste materials taken to an approved hazardous waste disposal site?	Contractor	😊	All work on site has been completed.	No further actions required

The contractor will be responsible for the cleaning up of any spill and associated costs. Were spill absorbent products available in an event of a spill?		😊	All work on site has been completed.	No further actions required
<b>9. Oil Spills from vehicles</b>				
Was care taken that any loader that enters the beach area not have oil leaks?	Contractor	😊	All work on site has been completed.	No further actions required
<p>If an oil leak should occur from any vehicle, did employees take actions to limit the spread of oil and to contain any contaminated water for treatment and disposal?</p> <p>Were the following steps taken to meet this objective?</p> <p>Small Spills -less than 5 gallons that are contained to area and can be cleaned up using the spill clean-up kit.</p> <ul style="list-style-type: none"> <li>a) The individual that discovers the accidental release shall immediately notify his/her supervisor and begin the clean up using the spill clean-up kit.</li> <li>b) All waste from the spill shall be collected for proper disposal.</li> <li>c) Contact the Manager of EH&amp;S for proper disposal</li> </ul>	Contractor	😊	All work on site has been completed.	No further actions required

**4 IMAGES TAKEN ON 12/05/2021**



Figure 6: Completed geo-container structure



**Figure 7: Top part of the geo-container structure**



**Figure 8: Rehabilitation of the hard-top parking areas' banks**





**Figure 9: Filled in section next to the geo-container structure**



**Figure 10: Rehabilitated hard-top parking area**



Figure 11: Equipment present on site



## 5 IMAGES TAKEN ON 19/05/2021



Figure 12: All equipment has been removed.



Figure 13: Hard-top parking area's bank rehabilitation



**Figure 14: Completed geo-container structure**





Figure 15: Before and after

## 6 CONCLUSION

Observed during the site inspection	Actions to be taken
1. Construction is complete	No further actions necessary.
2. All machinery and other equipment have been removed from site.	No further actions necessary.
3. Rehabilitation of the parking area, banks and beach satisfactory.	No further actions necessary.

All the work on site is completed. Rehabilitation has been undertaken satisfactorily.