(18) Please describe how the principles of environmental management as set out in section 2 of NEMA have been taken into account:

The proposed activities were assessed bearing in mind, *inter alia* the following principles of environmental management:

- placing people and their needs at the forefront of its concern (*upgrade of area and rehabilitation of part of the wetland*);
- promote socially, environmentally and economically sustainable development (*BAR assessment process*)
- the avoidance and minimisation of the disturbance of ecosystems and loss of biological diversity; (*placement and design along with construction phase considerations and placing people and their needs first*)
- the avoidance and minimisation of pollution and degradation of the environment (*upgrading the public open space*).
- avoidance of disturbance of any elements of cultural heritage;(*none are relevant to this project*)
- recycling of waste and disposal of waste in responsible manner;
- cautious and risk –averse approach in decision which considers limits of knowledge; (*well understood project scope and implementation methodology*)
- avoidance and minimisation of negative impacts;(*EMP and design*)

These considerations lead to a proposal which is considered the best practical environmental option, does not discriminate against any person, recognises the participation of all interested and affected parties and are socially, environmentally and economically sustainable.

SECTION E: ALTERNATIVES

Please Note: Before completing this section, first consult this Department's *Guideline on Alternatives* (August 2010) available on the Department's website (http://www.capegateway.gov.za/eadp).

"Alternatives", in relation to a proposed activity, means different means of meeting the general purposes and requirements of the activity, which may include alternatives to –

(a) the property on which, or location where, it is proposed to undertake the activity;
(b) the type of activity to be undertaken;
I the design or layout of the activity;
(d) the technology to be used in the activity;
(e) the operational aspects of the activity; and
(f) the option of not implementing the activity.

The NEMA prescribes that the procedures for the investigation, assessment and communication of the potential consequences or impacts of activities on the environment must, *inter alia*, with respect to every application for environmental authorisation –

- ensure that the general objectives of integrated environmental management laid down in NEMA and the National Environmental Management Principles set out in NEMA are taken into account; and
- include an investigation of the potential consequences or impacts of the alternatives to the activity on the environment and assessment of the significance of those potential consequences or impacts, including the option of not implementing the activity.

The general objective of integrated environmental management is, *inter alia*, to "*identify, predict and evaluate the actual and potential impact on the environment, socio-economic conditions and cultural heritage, the risks and consequences and alternatives and options for mitigation of activities, with a view to minimising negative impacts, maximising benefits, and promoting compliance with the principles of environmental management*" set out in NEMA.

1. In the sections below, please provide a description of any indentified and considered alternatives and alternatives that were found to be feasible and reasonable.
   Please note: Detailed written proof the investigation of alternatives must be provided and motivation if no reasonable or feasible alternatives exist.

(a) Property and location/site alternatives to avoid negative impacts, mitigate unavoidable negative impacts and maximise positive impacts, or detailed motivation if no reasonable or feasible alternatives exist:

None

(b) Activity alternatives to avoid negative impacts, mitigate unavoidable negative impacts and maximise positive impacts, or detailed motivation if no reasonable or feasible alternatives exist:

None

(c) Design or layout alternatives to avoid negative impacts, mitigate unavoidable negative impacts and maximise positive impacts, or detailed motivation if no reasonable or feasible alternatives exist:

Alternative 1: Partial rehabilitation of the wetland area and upgrade development of part of the other part of the area (Preferred)-
This option (Alternative 1) consists of rehabilitation of a portion of the wetland around the outer fringe of the in-filled area between the area where the amphitheatre will be developed and the milkwood forest on the outer edge of the original extent of the wetland. The existing braai structures just inside the perimeter will be removed altogether. The amphitheatre area to be developed will then be located within the inside of the rehabilitated wetland area, consisting of the central portion of the infilled area. The rehabilitation of the wetland will consist of removing the infill material from the outer edge of the wetland towards the internal area. Removal will only be done to the level where the natural underlying wetland material is encountered. The artificial drainage canal around the area will be removed and the natural water flow to the wetland area re-instated so that the wetland can receive the spring, seepage and stormwater that runs of the higher areas. At the outlet side of the re-instated wetland an artificial level controlled outlet into the existing discharge canal will be constructed so that the level of the water in the wetland can be regulated. This is required in order to control the increased discharge of excessive amounts of stormwater to the wetland, introduced as a result of the vast enlargement in hardened surfaces in the upstream catchment. The excess runoff will be discharged via the existing headwall on the beach, but this will be clad in more natural stone than the present cement structure. The area where the wooden structure for the restaurant will be erected across the parking area and road will remain as it is except for the double storey wooden building to be placed on the existing footprint area of the old Nautilus restaurant.

Alternative 2: No wetland rehabilitation and full upgrade development (Non-preferred)
This option (Alternative 2)consists of developing the full public open space with no area sacrificed for the partial rehabilitation of the wetland area. The existing braai areas will thus be maintained as well as the existing drainage channel on the outer perimeter of the public open space. The amphitheatre area will be developed in the centre of the public open space, but there will thus be no reduction in the public open space and braai areas. This will also mean that there is no fringe area of wetland between the amphitheatre area and the fringing milkwood forest against the cliffside. The area where the wooden structure for the restaurant will be erected across the parking area and road will remain as it is except for the double storey wooden building to be placed on the existing footprint area of the old Nautilus restaurant.

(d) Technology alternatives (e.g. to reduce resource demand and resource use efficiency) to avoid negative impacts, mitigate unavoidable negative impacts and maximise positive impacts, or detailed motivation if no reasonable or feasible alternatives exist:

None

(e) Operational alternatives to avoid negative impacts, mitigate unavoidable negative impacts and maximise positive impacts, or detailed motivation if no reasonable or feasible alternatives exist:

None

(f) the option of not implementing the activity (the No-Go Option):

If the no-go option is implemented the public open space area will remain as it is at present with the limited public use that it offers at present. The wetland area will also not be re-instated and the footprint of the old Nautilus restaurant will remain an open base. The no-go option would also prevent the upgrade that will be aesthetically much more pleasing than the area is at present. It would also not make the area usable as a venue for performing arts and other community and tourist entertainment uses as well as generating an additional income to the Overstrand Municipality to help offset the costs of maintaining the Blue Flag Beach. The no-go option is thus not an option to be considered realistic because of the constraints on tourism associated with it.

(g) Other alternatives to avoid negative impacts, mitigate unavoidable negative impacts and maximise positive impacts, or detailed motivation if no reasonable or feasible alternatives exist:

None

(h) Please provide a summary of the alternatives investigated and the outcomes of such investigation:

Please note: If no feasible and reasonable alternatives exist, the description and proof of the investigation of alternatives, together with motivation of why no feasible or reasonable alternatives exist, must be provided.

SECTION F: IMPACT ASSESSMENT, MANAGEMENT, MITIGATION AND MONITORING MEASURES

Please note: The information in this section must be duplicated for all the feasible and reasonable alternatives (where relevant).

1. PLEASE DESCRIBE THE MANNER IN WHICH THE DEVELOPMENT WILL IMPACT ON THE FOLLOWING ASPECTS:

(a) Geographical and physical aspects:

The upgrade will re-instate part of the wetland that used to be there around the perimeter of the amphitheatre area to be developed. This fringe will be accessible by means of a raised boardwalk only through the wetland and would also effectively prevent unwanted access into the sensitive milkwood forest against the cliffside backdrop.

(b) Biological aspects:

Will the development have an impact on critical biodiversity areas (CBAs) or ecological support areas (CSAs)?	YES	NOX
If yes, please describe:		
No existence of a CBA or ESA could be determined for this area.		
Will the development have (an impact)on terrestrial vegetation, or aquatic ecosystems (wetlands, estuaries or the coastline)?	YESX	NO
If yes, please describe:		
The site consists of an old wetland that was filled in many years ago with all sorts of extraneous material consisting of sand, gravel and even building rubble. At the time of filling in the wetland, a sealed and covered drainage canal was also installed around the whole western, northern and eastern perimeter of the wetland in order to drain seepage water, stormwater and rainfall runoff around the filled in area to discharge via an existing covered channel and headwall onto Grotto Beach. There are a number of springs and seepage water that feed into this drainage canal continuously. The proposed upgrade of the area will consist of re-instating a portion of the wetland all around the perimeter of the infilled area by removal of the old fill material. The artificial drainage canal around the area will be removed and the natural water flow to the wetland area re-instated so that the wetland can receive the spring, seepage and stormwater that runs of the higher areas. At the outlet side of the re-instated wetland an artificial level controlled outlet into the existing discharge canal will be constructed so that the level of the water in the wetland can be regulated. This is required in order to control the increased discharge of excessive amounts of stormwater to the wetland, introduced as a result of the vast enlargement in hardened surfaces in the upstream catchment. The excess runoff will be discharged via the existing headwall on the beach, but this will be clad in more natural stone than the present cement structure		
Will the development have an impact on any populations of threatened plant or animal species, and/or on any habitat that may contain a unique signature of plant or animal species?	YESX	NO
If yes, please describe:		
The portion of rehabilitated wetland will re-instate the ecotone that existed between the wetland edge and the milkwood forest that is located upslope on the cliffside. The raised boardwalk access in the middle of the wetland will also manage the pedestrian traffic and prevent unwanted access into the milkwood forest so that young milkwoods regeneration will not be trampled underfoot by unwanted human access.		
Please describe the manner in which any other biological aspects will be impacted:		
Concern was expressed that artificial lighting and noise may disturb birds and animals in the immediate area, but investigation showed that there is a vast area of natural vegetation to the east of the proposed upgraded area where there will be no disturbance to where these animals can relocate if human activities, noise and lighting do become problematic.		

(c) Socio-Economic aspects:

What is the expected capital value of the activity on completion?	~R700 000-00	
What is the expected yearly income or contribution to the economy that will be generated by or as a result of the activity?	~R50000-00 million	
Will the activity contribute to service infrastructure?	YES	NOX
How many new employment opportunities will be created in the construction phase of the activity?	NIL	
What is the expected value of the employment opportunities during the construction phase?	RNIL	
What percentage of this will accrue to previously disadvantaged individuals?	NIL%	
How will this be ensured and monitored (please explain):		

Contractors will use existing personnel-there will be added job security during construction	
How many permanent new employment opportunities will be created during the operational phase of the activity?	NIL
What is the expected current value of the employment opportunities during the first 10 years?	Nil
What percentage of this will accrue to previously disadvantaged individuals?	
How will this be ensured and monitored (please explain):	
Presently employed personnel of the municipality will do the upkeep and maintenance	
Any other information related to the manner in which the socio-economic aspects will be impacted:	

(d) Cultural and historic aspects:

There will be no cultural and historic impacts

2. WASTE AND EMISSIONS

(a) Waste (including effluent) management

Will the activity produce waste (including rubble) during the construction phase?	YES	**NOX**
If yes, indicate the types of waste (actual type of waste, e.g. oil, and whether hazardous or not) and estimated quantity per type?		M^3

Will the activity produce waste during its operational phase?	**YESX**	NO
If yes, indicate the types of waste (actual type of waste, e.g. oil, and whether hazardous or not) and estimated quantity per type? The restaurant and amphitheatre events will generate ordinary household waste.	~3M^3/month	

Where and how will the waste be treated / disposed of (describe)?		
If yes, indicate the types of waste (actual type of waste, e.g. oil, and whether hazardous or not) and estimated quantity per type per phase of the development?		
There will only be ordinary household waste and will be dealt within the existing waste management mainstream operating in this area of the municipality		
Has the municipality or relevant authority confirmed that sufficient capacity exist for treating / disposing of the waste to be generated by this activity(ies)? If yes, provide written confirmation from Municipality or relevant authority	YES	**NOX**
Will the activity produce waste that will be treated and/or disposed of at another facility other than into a municipal waste stream?	YES	**NOX**
If yes, has this facility confirmed that sufficient capacity exist for treating / disposing of the waste to be generated by this activity(ies)? Provide written confirmation from the facility and provide the following particulars of the facility:	YES	NO
Does the facility have an operating license? (If yes, please attach a copy of the license.)	YES	NO
Facility name:		
Contact person:		
Postal address:		
	Postal code:	
Telephone:	Cell:	
E-mail:	Fax:	

Describe the measures that will be taken to reduce, reuse or recycle waste:

(b) Emissions into the atmosphere

Will the activity produce emissions that will be disposed of into the atmosphere?	YES	**NOX**
If yes, does it require approval in terms of relevant legislation?	YES	NO

Describe the emissions in terms of type and concentration and how it will be treated/mitigated:

3. WATER USE

Please indicate the source(s) of water for the activity by ticking the appropriate box(es)

Municipal	Water board	Groundwater	River, Stream, Dam or Lake	Other	The activity will not use water

If water is to be extracted from a groundwater source, river, stream, dam, lake or any other natural feature, please indicate the volume that will be extracted per month:	m^3

Please provide proof of assurance of water supply (eg. Letter of confirmation from municipality / water user associations, yield of borehole)		
Does the activity require a water use permit / license from DWAF?	YES	NOX
If yes, please submit the necessary application to Department of Water Affairs and attach proof thereof to this application.		
Describe the measures that will be taken to reduce water demand, and measures to reuse or recycle water:		

4. POWER SUPPLY

Please indicate the source of power supply eg. Municipality / Eskom / Renewable energy source

Existing municipal supply

If power supply is not available, where will power be sourced from?

5. ENERGY EFFICIENCY

Describe the design measures, if any, that have been taken to ensure that the activity is energy efficient:
None

Describe how alternative energy sources have been taken into account or been built into the design of the activity, if any:

None have been applicable

6. DESCRIPTION AND ASSESSMENT OF THE SIGNIFICANCE OF IMPACTS PRIOR TO AND AFTER MITIGATION

Please note: While sections are provided for impacts on certain aspects of the environment and certain impacts, the sections should also be copied and completed for all other impacts.

(a) **Impacts that may result from the planning, design and construction phase (briefly describe and compare the potential impacts (as appropriate), significance rating of impacts, proposed mitigation and significance rating of impacts after mitigation that are likely to occur as a result of the planning, design and construction phase.**

Potential impacts on geographical and physical aspects:	
Nature of impact:	The upgrade will transform the picnic and restaurant area by the construction of the amphitheatre, the re-instatement of the wetland portion and the restaurant building
Duration of impact	NG: None A1: Long term A2: Long term

Extent of impact	NG: None A1: Small A2: Small
Probability of occurrence:	NG: None A1: Certain A2: Certain
Degree to which the impact can be reversed:	NG: n/a A1: Low A2: Medium
Degree to which the impact may cause irreplaceable loss of resources:	NG; None A1: Low A2: Medium
Cumulative impact prior to mitigation:	NG; n/a A1: Medium(-) A2: Medium(-)
Significance rating of impact prior to mitigation (Low, Medium, Medium-High, High, or Very-High)	NG; n/a A1: Medium A2: Medium
Degree to which the impact can be mitigated:	NG; n/a A1: High A2: Low
Proposed mitigation:	Implement EMP to respect "no-go" areas and manage re-instatement of the wetland portion properly, keep cleared areas to the minimum and appoint Environmental Control Officer to oversee implementation of EMP.
Cumulative impact post mitigation:	NG: None A1: High(+) A2: Low(+)
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	NG: None A1: Medium-High(+) A2: Low(+)

Potential impact on biological aspects:	
Nature of impact:	There will be re-instatement of a portion of the wetland and protection for the milkwood forest against the cliffside due to inaccessibility through the wetland.
Duration of impact:	NG: None A1: Long term A2: n/a (no re-instatement of wetland)
Extent of impact	NG: None A1: Small A2: n/a
Probability of occurrence:	NG: None A1: Certain A2: Certain
Degree to which the impact can be reversed:	NG: n/a A1: Low A2: n/a
Degree to which the impact may cause irreplaceable loss of resources:	NG; None A1: Low A2: High
Cumulative impact prior to mitigation:	NG; n/a A1: Medium(-) A2: Medium(-)
Significance rating of impact prior to mitigation (Low, Medium, Medium-High, High, or Very-High)	NG; n/a A1: High A2: High
Degree to which the impact can be mitigated:	NG; n/a A1: High A2: Low
Proposed mitigation:	Implement EMP to respect "no-go" areas and manage re-instatement of the wetland portion properly, keep cleared areas to the minimum and appoint Environmental Control Officer to oversee implementation of EMP.
Cumulative impact post mitigation:	NG: None A1: High(+) A2: Medium(-)
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	NG: None A1: High(+) A2: Medium(-)

Potential impacts on socio-economic aspects:	
Nature of impact:	There will be an improved construction opportunity and improved job security for contractors associated with the implementation of the upgrade
Duration of impact	NG: None A1: Temporary A2: Temporary
Extent of impact	NG: None A1: Small A2: Small
Probability of occurrence:	NG: None A1: Likely A2: Likely
Degree to which the impact can be reversed:	NG: n/a A1: n/a A2: n/a
Degree to which the impact may cause irreplaceable loss of resources:	NG; None A1: Low A2: Low
Cumulative impact prior to mitigation:	NG; n/a A1: Low A2: Low
Significance rating of impact prior to mitigation (Low, Medium, Medium-High, High, or Very-High)	NG; n/a A1: Low(+) A2: Low(+)
Degree to which the impact can be mitigated:	NG; n/a A1: Low A2: Low
Proposed mitigation:	Ensure that local contractors and labourers get priority to do the upgrade
Cumulative impact post mitigation:	NG; n/a A1: Medium(+) A2: Low(+)
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	NG: None A1: Medium(+) A2: Medium(+)

Potential impacts on cultural-historical aspects:	
Nature of impact:	None
Extent of impact:	n/a
Duration of impact	n/a
Probability of occurrence:	n/a
Degree to which the impact can be reversed:	n/a
Degree to which the impact may cause irreplaceable loss of resources:	n/a
Cumulative impact prior to mitigation:	n/a
Significance rating of impact prior to mitigation (Low, Medium, Medium-High, High, or Very-High)	n/a
Degree to which the impact can be mitigated:	n/a
Proposed mitigation:	n/a
Cumulative impact post mitigation:	n/a
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	n/a

Potential noise-impacts:	
Nature of impact:	General construction noise caused during the construction phase
Extent of impact:	NG: None A1: Small A2: Small
Duration of impact	NG: None A1: Temporary A2: Temporary
Probability of occurrence:	NG: None A1:Likely A2: Likely

Degree to which the impact can be reversed:	NG: n/a A1: Low A2: Low
Degree to which the impact may cause irreplaceable loss of resources:	NG; None A1: Low A2: Low
Cumulative impact prior to mitigation:	NG; n/a A1: Low(-) A2: Low(-)
Significance rating of impact prior to mitigation (Low, Medium, Medium-High, High, or Very-High)	NG; n/a A1: Low(-) A2: Low(-)
Degree to which the impact can be mitigated:	NG; n/a A1: High A2: High
Proposed mitigation:	Implement Environmental Management Plan, restrict construction to normal working hours and appoint Environmental Control Officer to oversee implementation of EMP.
Cumulative impact post mitigation:	NG: None A1: Very Low(-) A2: Very Low(-)
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	NG: None A1: Low(-) A2: Low(-)

Potential visual impacts:	
Nature of impact:	Both the amphitheatre complex and the restaurant construction will be visible on the site as additional structures to what there is now, but minimally from two of the residences above and will be in keeping with the existing developments already on site,
Extent of impact:	NG: None A1: Small A2: Small
Duration of impact	NG: None A1: Long term A2: Long term
Probability of occurrence:	NG: None A1: Certain A2: Certain
Degree to which the impact can be reversed:	NG: n/a A1: Low A2: Low
Degree to which the impact may cause irreplaceable loss of resources:	NG; None A1: Low A2: Low
Cumulative impact prior to mitigation:	NG; n/a A1: Low(-) A2: Low(-)
Significance rating of impact prior to mitigation (Low, Medium, Medium-High, High, or Very-High)	NG; n/a A1: Low(-) A2: Low(-)
Degree to which the impact can be mitigated:	NG; n/a A1: Low A2: Low
Proposed mitigation:	Implement Environmental Management Plan and keep area in an orderly manner during construction with proper screening-off of working areas.
Cumulative impact post mitigation:	NG: None A1: Very Low(-) A2: Very Low(-)
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	NG: None A1: Low(-) A2: Low(-)

(b) **Impacts that may result from the operational phase (briefly describe and compare the potential impacts (as appropriate), significance rating of impacts, proposed mitigation and significance rating of impacts after mitigation that are likely to occur as a result of the operational phase.**

Potential impacts on the geographical and physical aspects:	
Nature of impact:	The upgrade will transform the picnic and restaurant area by the

	upgrade by placement of the amphitheatre, the re-instatement of the wetland portion and the restaurant building
Duration of impact	NG: None A1: Long term A2: Long term
Extent of impact	NG: None A1: Small A2: Small
Probability of occurrence:	NG: None A1: Certain A2: Certain
Degree to which the impact can be reversed:	NG: n/a A1: Low A2: Medium
Degree to which the impact may cause irreplaceable loss of resources:	NG; None A1: Low A2: Medium
Cumulative impact prior to mitigation:	NG; n/a A1: Medium(-) A2: Medium(-)
Significance rating of impact prior to mitigation (Low, Medium, Medium-High, High, or Very-High)	NG; n/a A1: High(+) A2: Low(+)
Degree to which the impact can be mitigated:	NG; n/a A1: High A2: Low
Proposed mitigation:	Manage re-instatement of the wetland portion properly and maintain drainage structure of wetland area in functional condition
Cumulative impact post mitigation:	NG: None A1: High(+) A2: Low(+)
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	NG: None A1: High(+) A2: Low(+)

Potential impact biological aspects:	
Nature of impact:	There will be re-instatement of portion of the wetland and protection for the milkwood forest against the cliffside due to inaccessibility through the wetland (A1). This will not be the case for A2.
Duration of impact:	NG: None A1: Long term A2: n/a (no re-instatement of wetland)
Extent of impact	NG: None A1: Small A2: n/a
Probability of occurrence:	NG: None A1: Certain A2: Certain
Degree to which the impact can be reversed:	NG: n/a A1: Low A2: n/a
Degree to which the impact may cause irreplaceable loss of resources:	NG; None– A1: Low A2: High
Cumulative impact prior to mitigation:	NG; n/a A1: Medium(+) A2: Low(+)
Significance rating of impact prior to mitigation (Low, Medium, Medium-High, High, or Very-High)	NG; n/a A1: High(+) A2: Low(+)
Degree to which the impact can be mitigated:	NG; n/a A1: Medium A2: Low
Proposed mitigation:	Manage re-instatement of the wetland portion properly and maintain drainage structure of wetland area in functional condition to maintain optimal water level in the wetland area.
Cumulative impact post mitigation:	NG: None A1: High(+) A2: Low(+)
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	NG: None A1: High(+) A2: Low(+)

Potential impacts on the socio-economic aspects:	
Nature of impact:	The tourism potential and economic return will be enhanced due to the upgrading of the area by means of the amphitheatre and restaurant and the creation of opportunities for economic potential to be enhanced.
Duration of impact	NG: None A1: Long term A2: Long term
Extent of impact	NG: None A1: Small A2: Small
Probability of occurrence:	NG: None A1: Likely A2: Likely
Degree to which the impact can be reversed:	NG: n/a A1: Low A2: Low
Degree to which the impact may cause irreplaceable loss of resources:	NG; None A1: Low A2: Medium
Cumulative impact prior to mitigation:	NG; n/a A1: Medium(+) A2: Low(+)
Significance rating of impact prior to mitigation (Low, Medium, Medium-High, High, or Very-High)	NG; n/a A1: Medium(+) A2: Medium(+)
Degree to which the impact can be mitigated:	NG; n/a A1: Medium A2: Medium
Proposed mitigation:	Ensure proper marketing and management of the area and existing services to make the tourism experience coupled with the Blue Flag beach a unique one
Cumulative impact post mitigation:	NG; n/a A1: High(+) A2: Medium(+)
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	NG: None A1: Medium-High(+) A2: Medium(+)

Potential impacts on the cultural-historical aspects:	
Nature of impact:	None
Extent of impact:	n/a
Duration of impact	n/a
Probability of occurrence:	n/a
Degree to which the impact can be reversed:	n/a
Degree to which the impact may cause irreplaceable loss of resources:	n/a
Cumulative impact prior to mitigation:	n/a
Significance rating of impact prior to mitigation (Low, Medium, Medium-High, High, or Very-High)	n/a
Degree to which the impact can be mitigated:	n/a
Proposed mitigation:	n/a
Cumulative impact post mitigation:	n/a
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	n/a

Potential noise impacts:	
Nature of impact:	There will be some noise associated with the events at the amphitheatre and the enhanced use of the Grotto Beach public area due to the increased tourism and change in the public use of the area.
Extent of impact:	NG: None A1: Small A2: Small
Duration of impact	NG: None A1: Long term A2: Long term
Probability of occurrence:	NG: None

	A1: Certain A2: Certain
Degree to which the impact can be reversed:	NG: n/a A1: Low A2: Low
Degree to which the impact may cause irreplaceable loss of resources:	NG; None A1: Medium A2: Medium
Cumulative impact prior to mitigation:	NG; n/a A1: Medium(-) A2: Medium(-)
Significance rating of impact prior to mitigation (Low, Medium, Medium-High, High, or Very-High)	NG; n/a A1: Medium(-) A2: Medium(-)
Degree to which the impact can be mitigated:	NG; n/a A1: Medium A2: Low
Proposed mitigation:	Ensure proper marketing and management of the area and manage the type of event and the times of performances as well as management of existing services to make the tourism experience coupled with the Blue Flag beach a unique one.
Cumulative impact post mitigation:	NG; n/a A1: Medium(+) A2: Low(+)
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	NG: None A1: Medium(+) A2: Medium(+)

Potential visual impacts:	
Nature of impact:	Both the amphitheatre complex and the restaurant will be visible on the site in the long term and from two residences above, but will be in keeping with the existing infrastructure and enhance the aesthetic character of the existing surrounding Grotto Beach development
Extent of impact:	NG: None A1: Small A2: Small
Duration of impact	NG: None A1: Long term A2: Long term
Probability of occurrence:	NG: None A1: Certain A2: Certain
Degree to which the impact can be reversed:	NG: n/a A1: Low A2: Low
Degree to which the impact may cause irreplaceable loss of resources:	NG; None A1: Low A2: Low
Cumulative impact prior to mitigation:	NG; n/a A1: Medium(+) A2: Low(+)
Significance rating of impact prior to mitigation (Low, Medium, Medium-High, High, or Very-High)	NG; n/a A1: Medium(+) A2: Medium(+)
Degree to which the impact can be mitigated:	NG; n/a A1: Medium A2: Low
Proposed mitigation:	Over time the area can be beautified by the use of proper textures for pathways and structures as well as the selective planting of trees to green the area and active management of the wetland and fynbos area.
Cumulative impact post mitigation:	NG: None A1: High(+) A2: Medium(+)
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	NG: None A1: High(+) A2: Medium(+)

(d) **Potential parking impacts:**

Nature of impact:	There is an expectation that there will be parking problems associated with the events at the amphitheatre and the enhanced

	use of the Grotto Beach public area due to the Blue Flag status and change in the public use of the area.
Extent of impact:	NG: None A1: Small A2: Small
Duration of impact	NG: None A1: Long term A2: Long term
Probability of occurrence:	NG: None A1: Uncertain A2: Uncertain
Degree to which the impact can be reversed:	NG: n/a A1: Low A2: Low
Degree to which the impact may cause irreplaceable loss of resources:	NG; None A1: Medium A2: Medium
Cumulative impact prior to mitigation:	NG; n/a A1: Medium(-) A2: Medium(-)
Significance rating of impact prior to mitigation (Low, Medium, Medium-High, High, or Very-High)	NG; n/a A1: Medium(-) A2: Medium(-)
Degree to which the impact can be mitigated:	NG; n/a A1: Medium A2: Medium
Proposed mitigation:	Ensure proper parking management of the area during high attendance events with use of adequate traffic officers and traffic control as well as management of existing services to make the tourism experience coupled with the Blue Flag beach a unique one.
Cumulative impact post mitigation:	NG; n/a A1: Medium(+) A2: Low(+)
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	NG: None A1: Medium(+) A2: Medium(+)
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	NG: None A1: High(+) A2: Medium(+)

(c) **Impacts that may result from the decommissioning and closure phase (briefly describe and compare the potential impacts (as appropriate), significance rating of impacts, proposed mitigation and significance rating of impacts after mitigation that are likely to occur as a result of the decommissioning and closure phase.**

NOTE THAT THERE WILL BE NO DECOMMISSIONING AND CLOSURE PHASE

Potential impacts on the geographical and physical aspects:	
Nature of impact:	None
Extent of impact:	n/a
Duration of impact	n/a
Probability of occurrence:	n/a
Degree to which the impact can be reversed:	n/a
Degree to which the impact may cause irreplaceable loss of resources:	n/a
Cumulative impact prior to mitigation:	n/a
Significance rating of impact prior to mitigation (Low, Medium, Medium-High, High, or Very-High)	n/a
Degree to which the impact can be mitigated:	n/a
Proposed mitigation:	n/a
Cumulative impact post mitigation:	n/a
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	n/a

Potential impact biological aspects:	
Nature of impact:	None
Extent of impact:	n/a
Duration of impact	n/a
Probability of occurrence:	n/a
Degree to which the impact can be reversed:	n/a
Degree to which the impact may cause irreplaceable	n/a

loss of resources:	
Cumulative impact prior to mitigation:	n/a
Significance rating of impact prior to mitigation (Low, Medium, Medium-High, High, or Very-High)	n/a
Degree to which the impact can be mitigated:	n/a
Proposed mitigation:	n/a
Cumulative impact post mitigation:	n/a
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	n/a

Potential impacts on the socio-economic aspects:	
Nature of impact:	None
Extent of impact:	n/a
Duration of impact	n/a
Probability of occurrence:	n/a
Degree to which the impact can be reversed:	n/a
Degree to which the impact may cause irreplaceable loss of resources:	n/a
Cumulative impact prior to mitigation:	n/a
Significance rating of impact prior to mitigation (Low, Medium, Medium-High, High, or Very-High)	n/a
Degree to which the impact can be mitigated:	n/a
Proposed mitigation:	n/a
Cumulative impact post mitigation:	n/a
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	n/a

Potential impacts on the cultural-historical aspects:	
Nature of impact:	None
Extent of impact:	n/a
Duration of impact	n/a
Probability of occurrence:	n/a
Degree to which the impact can be reversed:	n/a
Degree to which the impact may cause irreplaceable loss of resources:	n/a
Cumulative impact prior to mitigation:	n/a
Significance rating of impact prior to mitigation (Low, Medium, Medium-High, High, or Very-High)	n/a
Degree to which the impact can be mitigated:	n/a
Proposed mitigation:	n/a
Cumulative impact post mitigation:	n/a
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	n/a

Potential noise impacts:	
Nature of impact:	None
Extent of impact:	n/a
Duration of the impact	n/a
Probability of occurrence:	n/a
Degree to which the impact can be reversed:	n/a
Degree to which the impact may cause irreplaceable loss of resources:	n/a
Cumulative impact prior to mitigation:	n/a
Significance rating of impact prior to mitigation (Low, Medium, Medium-High, High, or Very-High)	n/a
Degree to which the impact can be mitigated:	n/a
Proposed mitigation:	n/a
Cumulative impact post mitigation:	n/a
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	n/a

Potential visual impacts:	
Nature of impact:	None

Extent of impact:	n/a
Duration of the impact	n/a
Probability of occurrence:	n/a
Degree to which the impact can be reversed:	n/a
Degree to which the impact may cause irreplaceable loss of resources:	n/a
Cumulative impact prior to mitigation:	n/a
Significance rating of impact prior to mitigation (Low, Medium, Medium-High, High, or Very-High)	n/a
Degree to which the impact can be mitigated:	n/a
Proposed mitigation:	n/a
Cumulative impact post mitigation:	n/a
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	n/a

(e) **Any other impacts:**

Potential impact:	
Nature of impact:	None
Extent of impact:	n/a
Duration of the impact	n/a
Probability of occurrence:	n/a
Degree to which the impact can be reversed:	n/a
Degree to which the impact may cause irreplaceable loss of resources:	n/a
Cumulative impact prior to mitigation:	n/a
Significance rating of impact prior to mitigation (Low, Medium, Medium-High, High, or Very-High)	n/a
Degree to which the impact can be mitigated:	n/a
Proposed mitigation:	n/a
Cumulative impact post mitigation:	n/a
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	n/a

7. SPECIALIST INPUTS/STUDIES AND RECOMMENDATIONS

Please note: Specialist inputs/studies must be attached to this report as **Appendix G**. Also take into account the Department's Guidelines on the Involvement of Specialists in EIA Processes available on the Department's website (http://www.capegateway.gov.za/eadp).

Specialist inputs/studies and recommendations:

A specialist wetland study was conducted to guide the rehabilitation of the wetland portion.

8. IMPACT SUMMARY

Please provide a summary of all the above impacts.

The proposed implementation of the upgrade of the existing picnic and restaurant area at Piet se Bos and Grotto Beach was assessed by means of the basic impact assessment procedure. The location of the upgrade has no alternatives due to the fact that this existing public open space is fixed on this section of Erf 4771, Hermanus. There are two alternative layouts that were identified namely the upgrade consisting of the construction of the amphitheatre and restaurant area is coupled with the re-instatement of a portion of the original wetland and modified outlet structure around a section of the perimeter of the development footprint (A1 the preferred alternative). The other alternative will be exactly the same amphitheatre and restaurant development, but without the re-instatement of the wetland portion (A2 the non-preferred alternative). Both alternatives will transform the physical character of the area in a positive way. Alternative 1 will however re-instate a portion of the original wetland that was destroyed by infilling with rubble many years ago. The positive impact of this is that the ecotone between the old wetland and the milkwood forest that exists against the steep surrounding slope will be re-instated. Provision of a raised boardwalk for pedestrians through the wetland and vantage points to view the grottos will channel pedestrian traffic and prevent them access into the milkwood forest, which is not currently the case. While the alternative 2 will also be acceptable, the lack of re-instatement of portion of the wetland will not contribute to an increase in biodiversity in the area that will be concomitant with the creation of the wetland portion and reduction in access to the milkwood forest. Alternative 1 would be more costly to do than alternative 2 but the improvement in the environmental conditions and added tourism value and experience justifies this additional expenditure. Disruptions during the construction phase of both alternatives will be temporary and can easily be managed with the implementation of the EMP. Both alternatives will have a visual impact that will be in keeping with the character of the existing developments of the Blue Flag Grotto Beach area. The alternative 1 would offer a more diverse environmental experience than alternative 2. There will be additional noise impacts that are associated with the enhanced use of a public area and the cateri9ng for an increased and changing tourism experience on which Hermanus is economically dependent to a large extent. There will be no decommissioning phase for either of the two alternatives. The No-Go Option would obviously not present any of the positive social, economic or environmental impacts associated with the proposed preferred alternative 1.

9. OTHER MANAGEMENT, MITIGATION AND MONITORING MEASURES

(a) Over and above the mitigation measures described in Section 6 above, please indicate any additional management, mitigation and monitoring measures.

None

(b) Describe the ability of the applicant to implement the management, mitigation and monitoring measures.

The Applicant has a good history of the management of the environment in the area. This is manifested in the fact that it has won the cleanest town competition on occasion as well as the number of Blue Flag beaches that it has under its control, of which this Grotto Beach area is one.

SECTION G: ASSESSMENT METHODOLOGIES AND CRITERIA, GAPS IN KNOWLEDGE, UNDERLAYING ASSUMPTIONS AND UNCERTAINTIES

(a) Please describe adequacy of the assessment methods used.

The Impact Assessment Methodology used is described and attached as Appendix J. This methodology was found to lend itself adequately to the assessment and description of individual impacts as well as to determine the efficiency of mitigation measures.

(b) Please describe the assessment criteria used.

The assessment criteria used are described in the Impact Assessment Methodology attached as Appendix J.

(c) Please describe the gaps in knowledge.

There were no gaps in knowledge

(d) Please describe the underlying assumptions.

None

(e) Please describe the uncertainties.

None

SECTION H: RECOMMENDATION OF THE EAP

In my view (EAP), the information contained in this application form and the documentation attached hereto is sufficient to make a decision in respect of the activity applied for.	YES X	NO

If "NO", list the aspects that should be further assessed through additional specialist input/assessment or whether this application must be subjected to a Scoping & EIR process before a decision can be made:

If "YES", please indicate below whether in your opinion the activity should or should not be authorised:

Activity should be authorised:	YES X	NO

Please provide reasons for your opinion

This is an application to upgrade the existing public recreational picnic and restaurant area that was created many years ago by infilling of a wetland, by means of re-instating a portion of the wetland and its drainage channels with adequate water level control to manage the much altered water flow regime due to town development to the wetland area. This upgrade will benefit both the natural environment as described in the BAR as well as add to the tourism potential of the immediate Grotto Beach area. The sustainable use of the upgraded area will also be ensured and contribute to the local

economy. The impact assessment process has not indicated any reasons why this public recreational area should not be upgraded as envisaged, given the socio-economic and environmental benefits associated therewith. There is no natural vegetation left in the area of the existing footprint that will be upgraded that could be impacted, as well as the fact that no ecosystem processes nor biodiversity threats or infringement on natural corridors were found to be impacted. A positive aspect is the re-instatement of the fringing portion of the wetland.
If you are of the opinion that the activity should be authorised, then please provide any conditions, including mitigation measures that should in your view be considered for inclusion in an authorisation.
The EMP should be implemented and the footprint area should be managed not to extend into the surrounding milkwood forest area.
Duration and Validity: Environmental authorisations are usually granted for a period of three years from the date of issue. Should a longer period be required, the applicant/EAP is requested to provide a detailed motivation on what the period of validity should be.
Three years is fine but five would be better, given the municipal funding process that can only be commenced on an annual basis after environmental authorisation is obtained

SECTION I: APPENDICES

The following appendices must be attached to this report:

Appendix		Tick the box if Appendix is attached
Appendix A:	Locality map	✓
Appendix B:	Site plan(s)	✓
Appendix C:	Photographs	✓
Appendix D:	Biodiversity overlay map	✓
Appendix E:	Permit(s) / license(s) from any other organ of state including service letters from the municipality	
Appendix F:	Public participation information: including a copy of the register of interested and affected parties, the comments and responses report, proof of notices, advertisements and any other public participation information as required in Section C above.	✓
Appendix G:	Specialist Report(s)	✓
Appendix H :	Environmental Management Programme	✓
Appendix I:	Additional information related to listed waste management activities (if applicable)	
Appendix J:	Any Other (if applicable) (Impact Assessment Methodology used)	✓

DECLARATIONS

THE APPLICANT

I .....C A Bruwer....., ~~in my personal capacity or~~ duly authorised (please circle the applicable option) by ...Overstrand Municipality..... thereto hereby declare that I:

- regard the information contained in this report to be true and correct, and
- am fully aware of my responsibilities in terms of the National Environmental Management Act of 1998 ("NEMA") (Act No. 107 of 1998), the Environmental Impact Assessment Regulations ("EIA Regulations") in terms of NEMA (Government Notice No. R. 543 refers), and the relevant specific environmental management Act, and that failure to comply with these requirements may constitute an offence in terms of the environmental legislation;
- appointed the environmental assessment practitioner as indicated above, which meet all the requirements in terms of regulation 17 of GN No. R. 543, to act as the independent environmental assessment practitioner for this application;
- have provided the environmental assessment practitioner and the competent authority with access to all information at my disposal that is relevant to the application;
- will be responsible for the costs incurred in complying with the environmental legislation including but not limited to –
  - costs incurred in connection with the appointment of the environmental assessment practitioner or any person contracted by the environmental assessment practitioner;
  - costs incurred in respect of the undertaking of any process required in terms of the regulations;
  - costs in respect of any fee prescribed by the Minister or MEC in respect of the regulations;
  - costs in respect of specialist reviews, if the competent authority decides to recover costs; and
  - the provision of security to ensure compliance with the applicable management and mitigation measures;
- am responsible for complying with the conditions that might be attached to any decision(s) issued by the competent authority;
- have the ability to implement the applicable management, mitigation and monitoring measures;
- hereby indemnify, the government of the Republic, the competent authority and all its officers, agents and employees, from any liability arising out of, inter alia, the content of any report, any procedure or any action for which the applicant or environmental assessment practitioner is responsible; and
- am aware that a false declaration is an offence in terms of regulation 71 of GN No. R. 543.

Please Note: If acting in a representative capacity, a certified copy of the resolution or power of attorney must be attached.

Signature of the applicant:

Overstrand Municipality

Name of company:

2013-08-30

Date:

SPECIAL POWER OF ATTORNEY

I, STEPHEN MüLLER (DIRECTOR: INFRASTRUCTURE & PLANNING of OVERSTRAND MUNICIPALITY)
do hereby nominate, constitute and appoint CHAREL BRUWER of ENVIRO AFRICA OVERBERG with power of Substitution to be the lawful representative to:

complete, sign and submit any document regarding Erf 4771, Hermanus ("Piet se Bos") on behalf of the Overstrand Municipality required for the EIA under the National Environmental Management Act, National Environmental Act: Waste Act or South African Heritage Resource Act

This includes to represent the Overstrand Municipality at any inquiry in relation to the abovementioned matter and generally do whatever may be necessary or desirable to procure the approval of the application, by virtue of those present and whatever the said representative have to date done herein.

Signed at Hermanus on this 4 day of March 2013

SIGNED: .....

SIGNED: .....

In the presence of the undersigned witnesses:

AS WITNESSES: -

1. .....

2. .....

THE INDEPENDENT ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP)

I .....C A Bruwer....., as the appointed independent environmental practitioner ("EAP") hereby declare that I:

- act/ed as the independent EAP in this application;
- regard the information contained in this report to be true and correct, and
- do not have and will not have any financial interest in the undertaking of the activity, other than remuneration for work performed in terms of the NEMA, the Environmental Impact Assessment Regulations, 2010 and any specific environmental management Act;
- have and will not have no vested interest in the proposed activity proceeding;
- have disclosed, to the applicant and competent authority, any material information that have or may have the potential to influence the decision of the competent authority or the objectivity of any report, plan or document required in terms of the NEMA, the Environmental Impact Assessment Regulations, 2010 and any specific environmental management Act;
- am fully aware of and meet the responsibilities in terms of NEMA, the Environmental Impact Assessment Regulations, 2010 (specifically in terms of regulation 17 of GN No. R. 543) and any specific environmental management Act, and that failure to comply with these requirements may constitute and result in disqualification;
- have ensured that information containing all relevant facts in respect of the application was distributed or made available to interested and affected parties and the public and that participation by interested and affected parties was facilitated in such a manner that all interested and affected parties were provided with a reasonable opportunity to participate and to provide comments;
- have ensured that the comments of all interested and affected parties were considered, recorded and submitted to the competent authority in respect of the application;
- have kept a register of all interested and affected parties that participated in the public participation process;
- have provided the competent authority with access to all information at my disposal regarding the application, whether such information is favourable to the applicant or not; and
- am aware that a false declaration is an offence in terms of regulation 71 of GN No. R. 543.

Signature of the environmental assessment practitioner:

EnviroAfrica Overberg Environmental Planning and Impact Assessment Consultants

Name of company:

2013-08-30

Date:

APPENDIX A

LOCALITY MAP

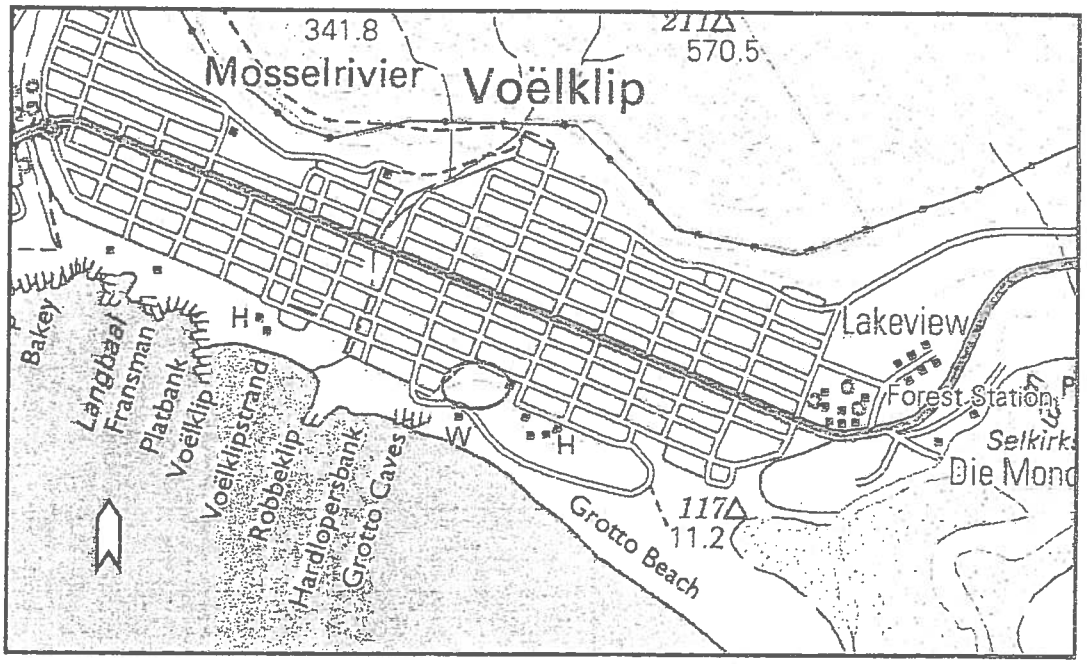
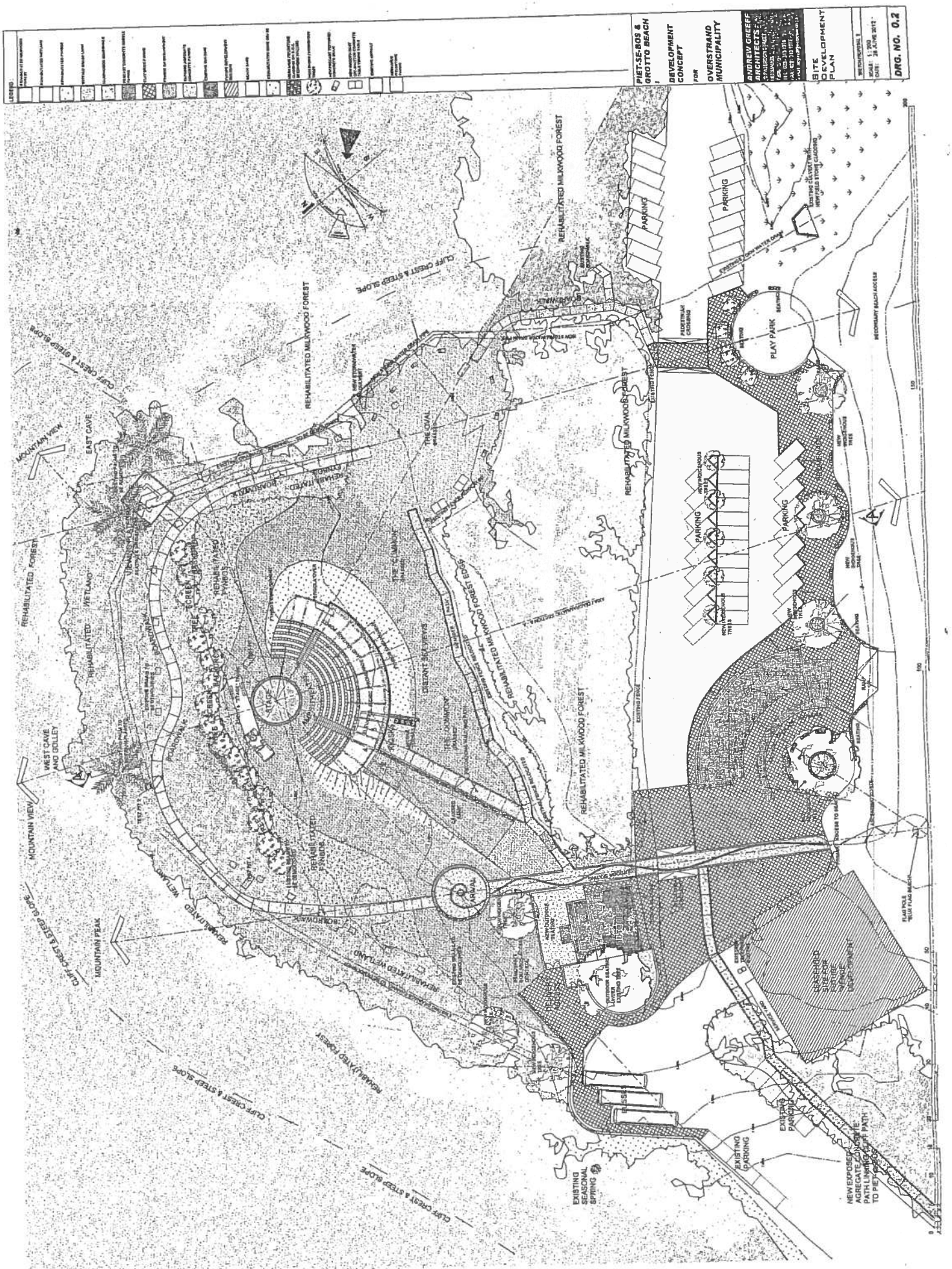


FIGURE 1: Map showing the location at a scale of 1:50000 (3419AD Stanford) of the existing recreational area (red circle) to be upgraded at Grotto Beach, Hermanus.

AERIAL PHOTO showing the location of the recreational area to be upgraded, by means of rehabilitation of part of an old wetland, the construction of amphitheatre, drainage control (dotted line circle) and restaurant area solid line circle) at Grotto Beach, Hermanus.

APPENDIX B

SITE PLANS


PIET-SE-BOS & GROTTO BEACH
DEVELOPMENT CONCEPT
FOR
OVERSTRAND MUNICIPALITY
ANDREW GREEFF ARCHITECTS
SITE DEVELOPMENT PLAN
DRG. NO. 0.2
REHABILITATED MILKWOOD FOREST
CLIFF CREST & STEEP SLOPE
PARKING
PLAY PARK
PEDESTRIAN CROSSING
EXISTING CULVERT WITH HEADWALLS & STONE CLADDING
EXISTING OPEN WATER DRAIN
SECONDARY BEACH ACCESS
MOUNTAIN VIEW
EAST CAVE
WEST CAVE AND DOLLEY
REHABILITATED WETLAND
REHABILITATED FYNBOS
THE COMMON
ORIENT BAY VIEWS
STAGE
AMPHITHEATRE
BOARDWALK
REHABILITATED FOREST EDGE
MOUNTAIN PEAK
REHABILITATED WETLAND
REHABILITATED FOREST
NEW EXPOSED AGGREGATE CONCRETE PATH LINKING CLIFF PATH TO PIET-SE-BOS
EXISTING SEASONAL SPRING
EXISTING PARKING
NEW WINDBREAK TREES
NEW PERGOLA
NEW PICNIC SITE
NEW BRAAI AREA
NEW PLAY EQUIPMENT
NEW SHADE SAIL
NEW SHADE TREES
NEW PLANTING
NEW SEATING
NEW BENCH
NEW BIN
NEW RAMP
NEW STEPS
NEW PATH
NEW ACCESS TO BEACH
NEW FENCE
NEW GATE
NEW BOLLARD
NEW SIGNAGE
NEW LIGHTING
NEW PAVING
NEW KERB
NEW DRAINAGE
NEW WATER POINT
NEW ELECTRICAL POINT
NEW TOILET BLOCK
NEW CHANGE ROOMS
NEW LIFEGUARD TOWER
NEW FLAG POLE
BLUE FLAG BEACH
EXISTING BUILDING
EXISTING ROAD
EXISTING PATH
EXISTING FENCE
EXISTING GATE
EXISTING BOLLARD
EXISTING SIGNAGE
EXISTING LIGHTING
EXISTING PAVING
EXISTING KERB
EXISTING DRAINAGE
EXISTING WATER POINT
EXISTING ELECTRICAL POINT
EXISTING TOILET BLOCK
EXISTING CHANGE ROOMS
EXISTING LIFEGUARD TOWER
EXISTING FLAG POLE
EXISTING BLUE FLAG BEACH
EXISTING TREES
EXISTING VEGETATION
EXISTING ROCKS
EXISTING SAND
EXISTING WATER
EXISTING CONTOURS
EXISTING SPOT HEIGHTS
EXISTING BENCH MARKS
EXISTING SURVEY CONTROL
EXISTING SURVEY BOUNDARY
EXISTING SURVEY EASEMENT
EXISTING SURVEY SERVITUDE
EXISTING SURVEY ROAD RESERVE
EXISTING SURVEY RAILWAY RESERVE
EXISTING SURVEY WATER COURSE
EXISTING SURVEY WETLAND
EXISTING SURVEY FOREST
EXISTING SURVEY CLIFF
EXISTING SURVEY SLOPE
EXISTING SURVEY BUILDING
EXISTING SURVEY ROAD
EXISTING SURVEY PATH
EXISTING SURVEY FENCE
EXISTING SURVEY GATE
EXISTING SURVEY BOLLARD
EXISTING SURVEY SIGNAGE
EXISTING SURVEY LIGHTING
EXISTING SURVEY PAVING
EXISTING SURVEY KERB
EXISTING SURVEY DRAINAGE
EXISTING SURVEY WATER POINT
EXISTING SURVEY ELECTRICAL POINT
EXISTING SURVEY TOILET BLOCK
EXISTING SURVEY CHANGE ROOMS
EXISTING SURVEY LIFEGUARD TOWER
EXISTING SURVEY FLAG POLE
EXISTING SURVEY BLUE FLAG BEACH
EXISTING SURVEY TREES
EXISTING SURVEY VEGETATION
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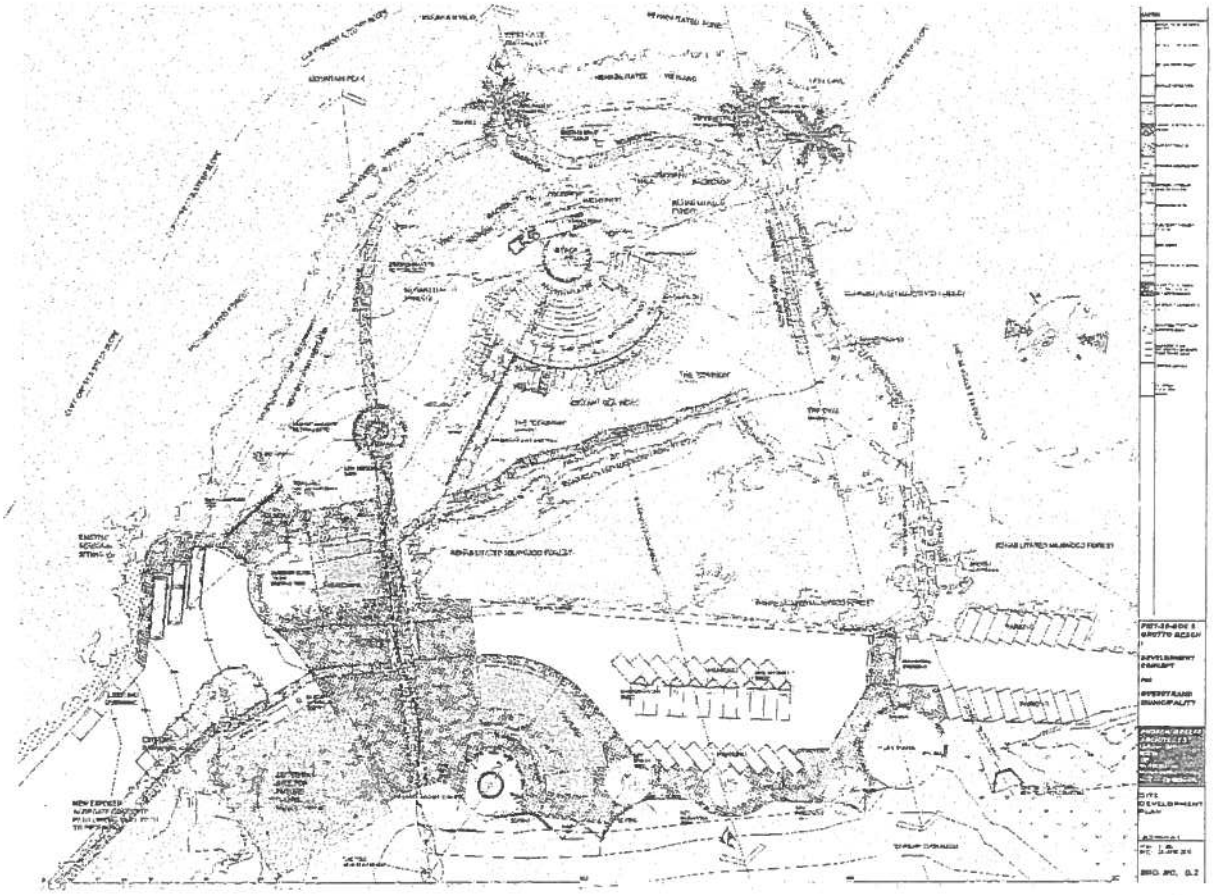
EXISTING SURVEY SURVEY BOUNDARY
EXISTING SURVEY SURVEY EASEMENT
EXISTING SURVEY SURVEY SERVITUDE
EXISTING SURVEY SURVEY ROAD RESERVE
EXISTING SURVEY SURVEY RAILWAY RESERVE
EXISTING SURVEY SURVEY WATER COURSE
EXISTING SURVEY SURVEY WETLAND
EXISTING SURVEY SURVEY FOREST
EXISTING SURVEY SURVEY CLIFF
EXISTING SURVEY SURVEY SLOPE



DIAGRAMATIC SECTION A-A

APPENDIX C

PHOTOGRAPHS

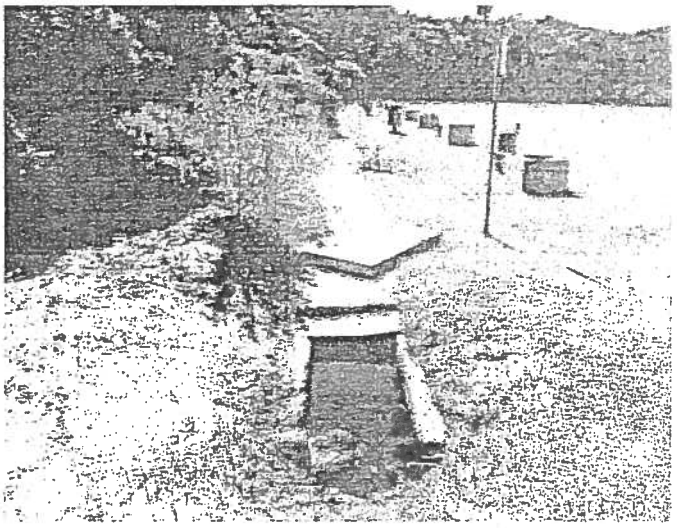
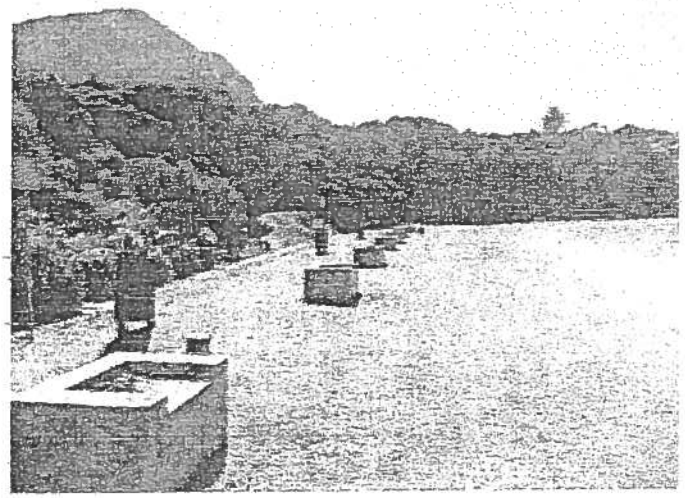
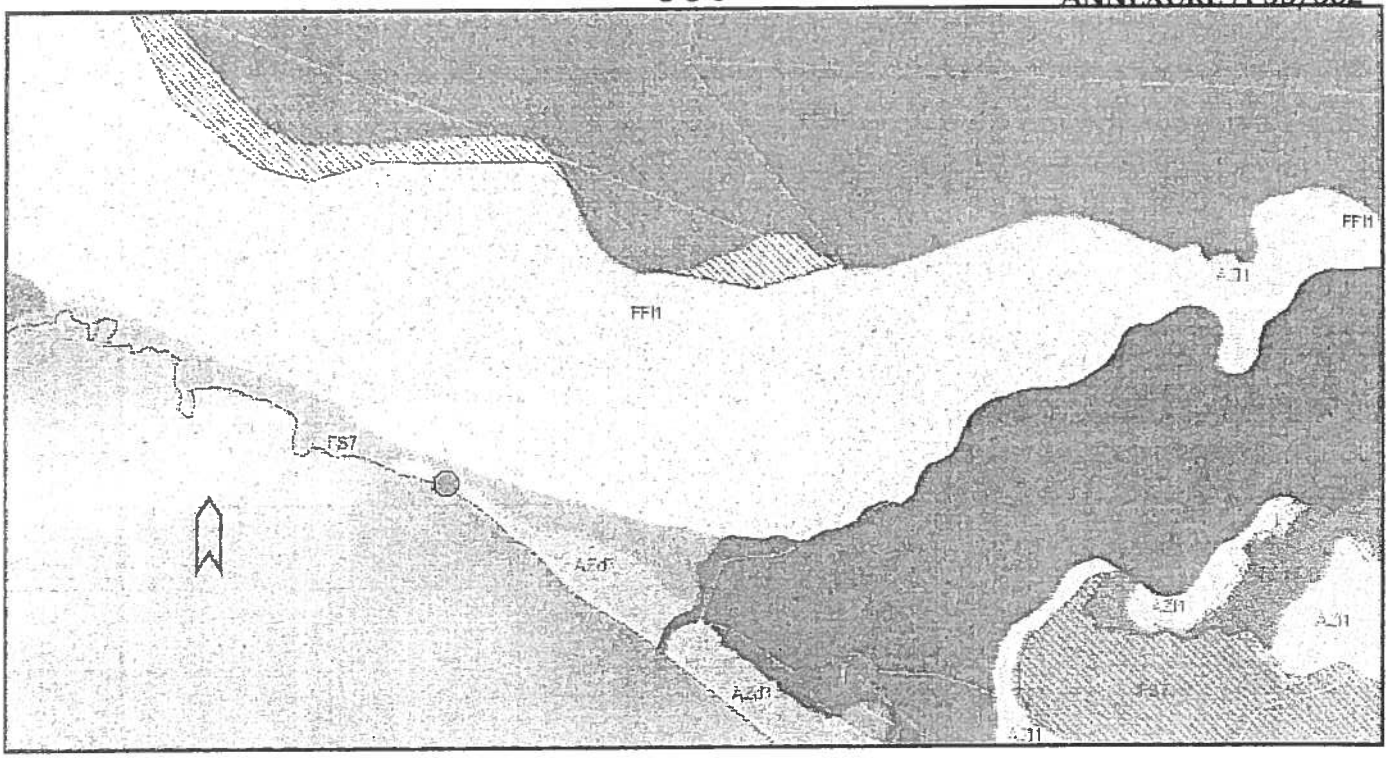


PHOTO on the left is taken from a southerly towards a northerly direction showing the entrance to the recreational area to be upgrade, located behind the wooden hut. The area where the proposed freehold area for the restaurant is located is directly to the south of the position from which the photo was taken (see aerial photo). The PHOTO on the right was also taken from south to north but from the immediate north of the wooden hut, showing the covered drainage channel that drains the seepage and spring water away from the old wetland which used to be where the filled-up area to the right in the picture is. The area to be upgraded stretches to the right of the photo (see photo below left). The PHOTO below right is taken from the east to the west and shows the area where previous restaurants were located in the past. They were improved with time and the last one which was a wooden structure on a concrete base was destroyed by a fire. This area is to be developed as a freehold area for a proposed restaurant. The existing building developments (see aerial photo) is located to the left of this picture and also behind the position from which the picture was taken.



APPENDIX D

BIODIVERSITY OVERLAY MAP



BIODIVERSITY OVERLAY MAP indicating the original vegetation types that were present on and around the site of the proposed upgrade indicated by the red dot. The green AZd3 denotes Cape Seashore Vegetation, blue FS7 denotes Overberg Dune Strandveld and pink FF11 denotes Agulhas Limestone Fynbos according to the SA National Vegetation Map 2006. These three vegetation types all carry a conservation status of Least Threatened and none are listed under section 52 of the NEM: Biodiversity Act.