

PIET SE BOS/GROTTO BEACH UPGRADE

ERF 4771, HERMANUS

PROPOSED UPGRADE OF THE PIET SE BOS AND GROTTO BEACH AREA, ERF 4771, HERMANUS.



Draft Basic Assessment Report

MARCH 2013

PIET SE BOS/GROTTO BEACH UPGRADE

ERF 4771, HERMANUS

BASIC ASSESSMENT REPORT SUBMITTED IN TERMS OF REGULATIONS PROMULGATED IN TERMS OF SECTION 24(5) AND 24M, READ WITH SECTION 44 OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 (ACT No.107 OF 1998) AS AMENDED

PROPOSED PROPOSED UPGRADE OF THE PIET SE BOS AND GROTTO BEACH AREA, ERF 4771, HERMANUS.

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PROJECT No: 12/11/302



DEPARTMENT of ENVIRONMENTAL AFFAIRS & DEVELOPMENT PLANNING

Provincial Government of the Western Cape

BASIC ASSESSMENT REPORT (AUGUST 2010)

Basic Assessment Report in terms of the NEMA Environmental Impact Assessment Regulations, 2010 AUGUST 2010

Kindly note that:

1. This **Basic Assessment Report** is the standard report required by DEA&DP in terms of the EIA Regulations, 2010 and must be completed for all Basic Assessment applications.
2. This report must be used in all instances for Basic Assessment applications for an environmental authorisation in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA), as amended, and the Environmental Impact Assessment Regulations, 2010, and/or a waste management licence in terms of the National Environmental Management: Waste Act, 2008 (Act 59 of 2008) (NEM: WA), and/or an atmospheric emission licence in terms of the National Environmental Management: Air Quality Act, 2004 (Act No. 39 of 2004) (NEM: AQA).
3. This report is current as of 2 August 2010. It is the responsibility of the Applicant / EAP to ascertain whether subsequent versions of the report have been published or produced by the competent authority.
4. The required information must be typed within the spaces provided in the report. The sizes of the spaces provided are not necessarily indicative of the amount of information to be provided. It is in the form of a table that will expand as each space is filled with typing.
5. Incomplete reports will be rejected. A rejected report may be amended and resubmitted.
6. The use of "not applicable" in the report must be done with circumspection. Where it is used in respect of material information that is required by the Department for assessing the application, this may result in the rejection of the report as provided for in the regulations.
7. **While the different sections of the report only provide space for provision of information related to one alternative, if more than one feasible and reasonable alternative is considered, the relevant section must be copied and completed for each alternative.**
8. Unless protected by law all information contained in, and attached to this report, will become public information on receipt by the competent authority. If information is not submitted with this report due to such information being protected by law, the applicant and/or EAP must declare such non-disclosure and provide the reasons for the belief that the information is protected.
9. This report must be submitted to the Department at the postal address given below or by delivery thereof to the Registry Office of the Department. No faxed or e-mailed reports will be accepted. **Please note that for waste management licence applications, this report must be submitted for the attention of the Department's Waste Management Directorate (tel: 021-483-2756 and fax: 021-483-4425) at the same postal address as the Cape Town Office Region A.**
10. Unless indicated otherwise, two electronic copies (CD/DVD) and three hard copies of this report must be submitted to the Department.

DEPARTMENTAL DETAILS

| CAPE TOWN OFFICE REGION A (Cape Winelands, City of Cape Town: Tygerberg and Oostenberg Administrations) | CAPE TOWN OFFICE REGION B (West Coast, Overberg, City of Cape Town: Helderberg, South Peninsula, Cape Town and Blaauwberg Administrations) | GEORGE OFFICE (Eden and Central Karoo) |
|--|---|--|
| Department of Environmental Affairs and Development Planning Attention: Directorate: Integrated Environmental Management (Region A2) Private Bag X 9086 Cape Town, 8000 Registry Office 1 st Floor Utilitas Building 1 Dorp Street, Cape Town Queries should be directed to the Directorate: Integrated Environmental Management (Region A2) at: Tel: (021) 483-4793 Fax: (021) 483-3633 | Department of Environmental Affairs and Development Planning Attention: Directorate: Integrated Environmental Management (Region B) Private Bag X 9086 Cape Town, 8000 Registry Office 1 st Floor Utilitas Building 1 Dorp Street, Cape Town Queries should be directed to the Directorate: Integrated Environmental Management (Region B) at: Tel: (021) 483-4094 Fax: (021) 483-4372 | Department of Environmental Affairs and Development Planning Attention: Directorate: Integrated Environmental Management (Region A1) Private Bag X 6509 George, 6530 Registry Office 4 th Floor, York Park Building 93 York Street George Queries should be directed to the Directorate: Integrated Environmental Management (Region A1) at: Tel: (044) 805 8600 Fax: (044) 874-2423 |

View the Department's website at <http://www.capegateway.gov.za/eadp> for the latest version of this document.

DEPARTMENTAL REFERENCE NUMBER(S)

| | |
|--------------------------------|--|
| File reference number (EIA): | |
| File reference number (Waste): | |
| File reference number (Other): | |

PROJECT TITLE

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|---|
| PIET SE BOS AND GROTTA BEACH AREA UPGRADE DEVELOPMENT, HERMANUS |
|---|

DETAILS OF THE ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP)

| | | | |
|--|---|--------------|--------------|
| Environmental Assessment Practitioner (EAP): | EnviroAfrica Environmental Planning and Impact Assessment Consultants | | |
| Contact person: | Charel Bruwer | | |
| Postal address: | P O Box 4 | | |
| | ONRUS | Postal code: | 7201 |
| Telephone: | (028)316 2888 | Cell: | 082 8050 190 |
| E-mail: | charel@enviroafrica.co.za | Fax: | 086 513 2141 |
| EAP Qualifications | M.Sc Nature Conservation(Cum Laude) (Stellenbosch), EIA-Short Course(UCT), Short Course in Negotiating Skills(Institute for Advanced Training-Dept of Education),Short Course on Conflict Management and Dispute Resolution(CDR Associates),Short Course on Public Participation(Prxis-Canada),Training Course for trainers in Social Impact Assessment(IAIA). Attendance of a number of National and Provincial EIA Training Workshops | | |
| EAP Registrations/Associations | South African Council for Natural Scientific Professions registration as Environmental Scientist. Reg No 401506/83 | | |

Details of the EAP's expertise to carry out Basic Assessment procedures

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| The EAP has 42 years experience in the environmental impact assessment and management field of which 8 years was with the Cape Town City Council, 22 years with the national Dept of Water Affairs and Forestry and 13 years as a principal in a private consultancy. The EAP has conducted numerous environmental impact assessments, ran large public participation programmes and managed numerous Environmental Task Groups for large scale water resource developments at the national and provincial level. During the last four years the EAP has completed and obtained environmental authorisations for ~17 Basic Assessment Reports and 12 Environmental Impact Reports on studies conducted. During this period the EAP has also compiled ~30 Environmental Management Plans and acted as Environmental Control Officer on ~15 occasions. |
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SECTION A: ACTIVITY INFORMATION

1. PROJECT DESCRIPTION

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|---------------------------------------|-----|------------|
| (a) Is the project a new development? | YES | NOX |
|---------------------------------------|-----|------------|

(b) Provide a detailed description of the development project and associated infrastructure.

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| <p>The project consists of the proposed upgrade of the present open picnic area at Grotto Beach, Hermanus and the area where the old Nautilus restaurant used to be. The present picnic area used to be an impenetrable wetland with an unpaved path through the surrounding milkwood forest. The wetland was filled in many years ago with all sorts of extraneous material consisting of sand, gravel and even building rubble. The old Nautilus restaurant was broken down to the extent that only parts of the concrete slab base still remains today. There are a number of braai areas dotted around the filled in area. Vehicular access was allowed onto the filled in area in the past but nowadays access is controlled by a boom. The area is well compacted. 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 existing developments on the beach also consists of a lifeguard house and ablution facilities, a parking lot and other paved areas.</p> <p>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 fill material. This fill material will all be used to create the sloped amphitheatre and stage with raised sloped seating. Between the amphitheatre and the edge of the portion of reinstated wetland there will be a fringe of re-established fynbos that has a raised boardwalk that will allow pedestrians access near the wetland and surrounding milkwood forest. There will also be two raised access points to get to within viewing distance of the two "grottos" that are formed by rocky overhangs with dripping seepage water and associated wet-cliff vegetation.</p> <p>On the footprint of the area to the south of the road where the old Nautilus restaurant used to be the intention is to construct a wooden double storey building that can be rented out to a restaurateur. The intention is for this building to have a ground level and upper level eating area cum bar area.</p> <p>The current covered drainage channel will be removed to allow the containment of the necessary quantity of seepage and stormwater runoff to the rehabilitated wetland area. The drain channel to the beach will be retained with a weir control to obtain the correct water level for the wetland, but that can allow the access runoff to overflow onto the beach as is presently the situation. The existing headwall on the beach will remain but will be clad with natural stone instead of the bland cement structure that is currently there, to give it a more natural appearance</p> |
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(c) List all the activities assessed during the Basic Assessment process:

| Government Notice R544 Activity No(s): | Describe the relevant Basic Assessment Activity(ies) in writing as per Listing Notice 1 (GN No. R544) | Describe the portion of the development as per the project description that relates to the applicable listed activity |
|--|---|--|
| 11 | The construction of (i) canals, (ii) channels, (iii) bridges, (iv) dams, (v) weirs, (vi) bulk storm water outlet structures, (vii) marinas, (viii) jetties exceeding 50 square metres in size, (ix) slipways exceeding 50 square metres in size, (x) buildings exceeding 50 square metres in size, or (xi) infrastructure or structures covering 50 square metres or more where such construction occurs within a watercourse or within 32 metres of a watercourse, measured from the edge of the watercourse, excluding where such construction will occur behind the development setback line | Construction of amphi-theatre and rehabilitation of portion of the wetland, fynbos area, restaurant area and infra-structure such as connecting structures and outlet structures and headwalls |
| 14 | The construction of structures in the coastal public property where the development footprint is bigger than 50 square metres, excluding (i) the construction of structures within existing ports or harbours that will not increase the development footprint or throughput capacity of the port or harbour; (ii) the construction of a port or harbour, in which case activity 24 of Notice 545 of 2010 applies; (iii) the construction of temporary | Construction of amphi-theatre and rehabilitation of portion of the wetland, fynbos area, restaurant area and infra-structure such as connecting structures and outlet structures and headwalls |

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| | structures within the beach zone where such structures will be demolished or disassembled after a period not exceeding 6 weeks | |
| 16 | Construction or earth moving activities in the sea, an estuary, or within the littoral active zone or a distance of 100 metres inland of the high-water mark of the sea or an estuary, whichever is the greater, in respect of (i) fixed or floating jetties or slipways; (ii) tidal pools; (iii) embankments; (iv) rock revetments or stabilizing structures including stabilizing walls; (v) buildings of 50 square metres or more; or (vi) infrastructure covering 50 square metres or more- but excluding (a) if such construction or earthmoving activities will occur behind a development setback line; or (b) where such construction or earth moving activities will occur within existing ports or harbours and the construction or earth moving activities will not increase the development footprint or throughput capacity of the port or harbour; (c) where such construction or earth moving activities is undertaken for purposes of maintenance of the facilities mentioned in (i)-(vi) above; or (d) where such construction or earth moving activities is related to the construction of a port or harbour, in which case activity 24 of Notice 545 of 2010 applies | Construction of amphi-theatre and rehabilitation of portion of the wetland, fynbos area, restaurant area and infra-structure such as connecting structures and outlet structures and headwalls |
| 17 | The planting of vegetation or placing of any material on dunes and exposed sand surfaces, within the littoral active zone for the purpose of preventing the free movement of sand, erosion or accretion, excluding where the planting of vegetation or placement of material relates to restoration and maintenance of indigenous coastal vegetation or where such planting of vegetation or placing of material will occur behind a development setback line | Possible rehabilitation around the proposed restaurant (freehold) area. |
| 18 | The infilling or depositing of any material of more than 5 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock from (i) a watercourse; (ii) the sea; (iii) the seashore; (iv) the littoral active zone, an estuary or a distance of 100 metres inland of the high-water mark of the sea or an estuary, whichever distance is the greater. | Construction of amphi-theatre and rehabilitation of portion of the wetland, fynbos area, restaurant area and infra-structure such as connecting structures and outlet structures and headwalls |
| 24 | The transformation of land bigger than 1000 square metres in size, to residential, retail, commercial, industrial or institutional use, where, at the time of coming into effect of this Schedule such land was zoned open space, conservation or had an equivalent zoning. | Construction of amphi-theatre and rehabilitation of portion of the wetland, fynbos area, restaurant area and infra-structure such as connecting structures and outlet structures and headwalls |
| 37 | The expansion of facilities or infrastructure for the bulk transportation of water, sewage or storm water where: (a) the facility or infrastructure is expanded by more than 1000 metres in length; or (b) where the throughput capacity of the facility or infrastructure will be increased by 10% or more- excluding where such expansion: (i) relates to transportation of water, sewage or storm water within a road reserve; or (ii) where such expansion will occur within urban areas but further than 32 metres from a watercourse, measured from the edge of the watercourse. | Possibly with the alteration to the end section of the existing discharge canal to regulate the water level in the rehabilitation of a portion of the old wetland. |
| 39 | The expansion of (i) canals; (ii) channels; (iii) bridges; (iv) weirs; (v) bulk storm water outlet structures; (vi) marinas; within a watercourse or within 32 metres of a watercourse, measured from the edge of a watercourse, where such expansion will result in an increased development footprint but excluding where such expansion will occur behind the development setback line. | Possibly with the alteration to the end section of the existing discharge canal to regulate the water level in the rehabilitation of a portion of the old wetland. |
| 40 | The expansion of (i) jetties by more than 50 square metres; (ii) slipways by more than 50 square metres; or (iii) buildings by more than 50 square metres; (iv) infrastructure by more than 50 square metres within a watercourse or within 32 metres of a watercourse, measured from the edge of a watercourse, but excluding where such expansion will occur behind the development setback line. | Construction of amphi-theatre and rehabilitation of portion of the wetland, fynbos area, restaurant area and infra-structure such as connecting structures and outlet structures and headwalls |
| 43 | The expansion of structures in the coastal public property where the development footprint will be increased by more than 50 square metres, excluding such expansions within existing ports or harbours where there would be no increase in the development or footprint or throughput capacity of the port or harbour | Construction of amphi-theatre and rehabilitation of portion of the wetland, fynbos area, restaurant area and infra-structure such as connecting structures and outlet structures and headwalls |
| 45 | The expansion of facilities in the sea, an estuary, or within the littoral active zone or a distance of 100 metres inland of the high tide mark of the sea or estuary whichever is the greater, for (i) fixed or floating jetties and slipways; (ii) tidal pools; (iii) | Construction of amphi-theatre and rehabilitation of portion of the wetland, fynbos area, restaurant area and infra-structure such as |

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| | embankments; (iv) rock revetments or stabilizing structures including stabilizing walls (v) buildings by more than 50 square metres; (vi) infrastructure by more than 50 square metres (vii) facilities associated with the arrival and departure of vessels and the handling of cargo; (viii) piers (ix) inter and sub-tidal structures for the entrapment of sand; (x) breakwater structures; (xi) coastal marinas; (xii) coastal harbours or ports (xiii) structures for draining parts of the sea or estuary; (xiv) tunnels; or (xv) underwater channels where such expansion will result in an increase in the development footprint of such facilities, but excluding where such expansion occurs: (a) behind a development setback line; or (b) within existing ports or harbours where there will be no increase in the development footprint or throughput capacity of the port or harbour | connecting structures and outlet structures and headwalls |
| Government Notice R545 Activity No(s): | Describe the relevant Scoping and EIA Activity(ies) in writing as per Listing Notice 2 (GN No. R545) | Describe the portion of the development as per the project description that relates to the applicable listed activity |
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| Government Notice R546 Activity No(s): | Describe the relevant Basic Assessment Activity(ies) in writing as per Listing Notice 3 (GN No. R546) | Describe the portion of the development as per the project description that relates to the applicable listed activity |
| 4 | The construction of a road wider than 4 metres with a reserve less than 13,5 metres (d) In Western Cape: (i) in an estuary (ii) all areas outside urban areas; (iii) in urban areas: (aa) areas zoned for use as public open space within urban areas; (bb) areas designated for conservation use in Spatial Development Frameworks adopted by the competent authority, or zoned for a conservation purpose. | Construction/maintenance to road infrastructure required for improvement to the recreational area. |
| 12 | The clearance of an area of 300 square metres or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation. (a) Within any critically endangered or endangered ecosystem listed in terms of section 52 of the NEMBA or prior to the publication of such a list, within an area that has been identified as critically endangered in the National Spatial Biodiversity Assessment 2004; (b) Within critical biodiversity areas identified in bioregional plans; (c) Within the littoral active zone or 100 metres inland from high water mark of the sea or an estuary, whichever distance is the greater, excluding where such removal will occur behind the development setback line on even in urban areas. | Construction of amphi-theatre and rehabilitation of portion of the wetland, fynbos area, restaurant area and infra-structure such as connecting structures and outlet structures and headwalls |

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| 16 | <p>The construction of: (i) jetties exceeding 10 square metres in size; (ii) slipways exceeding 10 square metres in size; (iii) buildings with a footprint exceeding 10 square metres in size; or (iv) infrastructure covering 10 square metres or more where such construction occurs within a watercourse or within 32 metres of a watercourse, measured from the edge of a watercourse, excluding where such construction will occur behind the development setback line. (d) In Western Cape: (i) in an estuary; (ii) outside urban areas, in: (aa) A protected area identified in terms of NEMPAA, excluding conservancies; (bb) National Protected Area Expansion Focus areas; (cc) World Heritage Sites; (dd) Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority; (ee) Sites or areas identified in terms of an International Convention; (ff) Critical biodiversity areas or ecosystem service areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans; (gg) Core areas in biosphere reserves; (hh) Areas within 10 kilometres from national parks or world heritage sites or 5 kilometres from any other protected area identified in terms of NEMPAA or from the core area of a biosphere reserve; (ii) Areas seawards of the development setback line or within 1 kilometre from the high-water mark of the sea if no such development setback line is determined. (iii) Inside urban areas: (aa) Areas zoned for use as public open space; (bb) Areas designated for conservation use in Spatial Development Frameworks adopted by the competent authority or zoned for a conservation purpose; (cc) Areas seawards of the development setback line or within 100 metres of the high water mark where no setback line is determined.</p> | Construction of amphi-theatre and rehabilitation of portion of the wetland, fynbos area, restaurant area and infra-structure such as connecting structures and outlet structures and headwalls |
| 19 | <p>The widening of a road by more than 4 metres, or the lengthening of a road by more than 1 kilometre. d) In Western Cape: (i) in an estuary; (ii) all urban areas outside urban areas; (iii) in urban areas: (aa) Areas zoned for use as public open space within urban areas; (bb) Areas designated for conservation use in Spatial Development Frameworks adopted by the competent authority, or zoned for a conservation purpose, within urban areas.</p> | Improvement/maintenance to road infrastructure required for the upgrade of the recreational area. |
| 24 | <p>The expansion of (a) jetties where the jetty will be expanded by 10 square metres in size or more; (b) slipways where the slipway will be expanded by 10 square metres or more; (c) buildings where the buildings will be expanded by 10 square metres in size; or (d) infrastructure where the infrastructure will be expanded by 10 square metres or more where such construction occurs within a watercourse or within 32 metres of a watercourse, measured from the edge of a watercourse, excluding where such construction will occur behind the development setback line. (d) In Western Cape: (i) in an estuary; (ii) outside urban areas, in: (aa) a protected area identified in terms of NEMPAA. Excluding conservancies; (bb) National Protected Area Expansion Strategy Focus areas; (cc) sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority; (dd) sites or areas identified in terms of an international Convention; (ee) critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans; (ff) core areas in biosphere reserves; (gg) areas within 10 kilometres from national parks or world heritage sites or 5 kilometres from any other protected area identified in terms of NEMPAA or from the core area of a biosphere reserve; (hh) areas seawards of the development setback line or within 1 kilometre from the high-water mark of the sea if no such development setback line is determined. (iii) inside urban areas: (aa) areas zoned for use as public open space; (bb) areas designated for conservation use in Spatial Development Frameworks adopted by the competent authority or zoned for a conservation purpose.</p> | Construction of amphi-theatre and rehabilitation of portion of the wetland, fynbos area, restaurant area and infra-structure such as connecting structures and outlet structures and headwalls |

If the application is also for activities as per Listing Notice 2 and permission was granted to subject the application to Basic Assessment, also indicate the applicable Listing Notice 2 activities:

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| GN No. R. 545 Activity No(s): | If permission was granted in terms of Regulation 20, describe the relevant Scoping and EIA Activity(ies) in writing as per Listing Notice 2 (GN No. R. 545) | Describe the portion of the development as per the project description that relates to the applicable listed activity. |
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Waste management activities in terms of the NEM: WA (Government Gazette No. 32368):

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| GN No. 718 - Category A Activity No(s): | Describe the relevant <u>Category A</u> waste management activity in writing. |
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Please note: If any waste management activities are applicable, the Listed Waste Management Activities Additional Information Annexure must be completed and attached to this Basic Assessment Report as Appendix I.

If the application is also for waste management activities as per Category B and permission was granted to subject the application to Basic Assessment, also indicate the applicable Category B activities:

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| GN No. 718 – Category B Activity No(s): | Describe the relevant <u>Category B</u> waste management activity in writing. |
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Atmospheric emission activities in terms of the NEM: AQA (Government Gazette No. 33064):

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|-------------------------------|---|
| GN No. 248 Activity No(s): | Describe the relevant atmospheric emission activity in writing. |
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(d) Please provide details of all components of the proposed project and attach diagrams (e.g. architectural drawings or perspectives, engineering drawings, process flow charts etc.).

| Buildings | YESX | NO |
|--|------|-----|
| Provide brief description: | | |
| An amphitheatre in a semi-circle with raised seating and an elevated picnic promenade and vantage points that face onto a circular stage for events presentation, as well as kiosks will be constructed on the existing open area that is located to the north of the existing access road. To the south of the existing access road adjacent to the beach above the high water mark, a single or double storey wooden building is proposed on the site where a previous restaurant used to be that burn down some years ago. The intention is to rent this as a leasehold area to a restaurateur in future. | | |
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| Infrastructure (e.g. roads, power and water supply/ storage) | YES | NOX |
| Provide brief description: | | |
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| Processing activities (e.g. manufacturing, storage, distribution) | YES | NOX |
| Provide brief description: | | |
| | | |
| | | |
| Storage facilities for raw materials and products (e.g. volume and substances to be stored) | | |
| Provide brief description | YES | NOX |
| | | |
| | | |
| Storage and treatment facilities for solid waste and effluent generated by the project | YES | NOX |
| Provide brief description | | |
| There is existing solid waste treatment and effluent management facilities. | | |
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| Other activities (e.g. water abstraction activities, crop planting activities) | YES | NOX |
| Provide brief description | | |
| | | |

2. PHYSICAL SIZE OF THE ACTIVITY

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| | Size of the property: |
| (a) Indicate the size of the property (cadastral unit) on which the activity is to be undertaken. Amphitheatre area ~6400m ² and restaurant area ~600m ² | ~7000m ² |
| | Size of the facility: |
| (b) Indicate the size of the facility (development area) on which the activity is to be undertaken. | ~7000m ² |
| | Size of the activity: |
| (c) Indicate the physical size (footprint) of the activity together with its associated infrastructure: | ~7000m ² |
| (d) Indicate the physical size (footprint) of the activity: | ~7000m ² |
| (e) Indicate the physical size (footprint) of the associated infrastructure: | 0m ² |

and, for linear activities:

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| | Length of the activity: |
| (f) Indicate the length of the activity: | m |

3. SITE ACCESS

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|---|------|----|
| (a) Is there an existing access road? | YESX | NO |
| (b) If no, what is the distance over which a new access road will be built? | m | |

(c) Describe the type of access road planned:

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Please Note: indicate the position of the proposed access road on the site plan.

4. DESCRIPTION OF THE PROPERTY ON WHICH THE ACTIVITY IS TO BE UNDERTAKEN AND THE LOCATION OF THE ACTIVITY ON THE PROPERTY

(a) Provide a description of the property on which the activity is to be undertaken and the location of the activity on the property.

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| All municipal land in the Voëlklip area of Hermanus is designated Erf 4771. The existing open area north of the access road used to be an impenetrable wetland with a rough footpath around it that was used by visitors to view the two dripping cliff overhangs or "grottos". The wetland was filled in many years ago with all sorts of extraneous material consisting of sands, gravels and building rubble, whereafter it was compacted. Until some years ago, vehicles were allowed to drive on this open area to access braai structures, but vehicle access onto the open area was terminated some years ago. A covered drainage channel was also constructed around the filled in wetland to divert seepage, spring and stormwater away from the area to a discharge point on the beach to the sea. The location of the amphitheatre venue structures and the rehabilitation of a section of wetland area and re-instatement of fynbos and drainage control structures will entail the whole of the existing ~6400m ² area that was previously disturbed. With regard to the freehold area to the south of the existing access road, this used to be a succession of restaurants since the 1950's that have been re-built, improved, etc until the last one burnt down some years ago. The intention is to re-develop the existing footprint of ~600m ² of this site with a restaurant that consists of a wooden building. |
| |

(b) Please provide a location map (see below) as Appendix A to this report which shows the location of the property and the location of the activity on the property; as well as a site map (see below) as Appendix B to this report; and if applicable all alternative properties and locations.

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| Locality map: | <p>The scale of the locality map must be at least 1:50 000. For linear activities of more than 25 kilometres, a smaller scale e.g. 1:250 000 can be used. The scale must be indicated on the map. The map must indicate the following:</p> <ul style="list-style-type: none"> • an accurate indication of the project site position as well as the positions of the alternative sites, if any; • road names or numbers of all the major roads as well as the roads that provide access to the site(s) • a north arrow; • a legend; • the prevailing wind direction (during November to April and during May to October); and • GPS co-ordinates (Indicate the position of the activity using the latitude and longitude of the centre point of the site for each alternative site. The co-ordinates should be in degrees and decimal minutes. The minutes should have at least three decimals to ensure adequate accuracy. The projection that must be used in all cases is the WGS84 spheroid in a national or local projection). |
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| Site Plan: | <p>Detailed site plan(s) must be prepared for each alternative site or alternative activity. The site plan must contain or conform to the following:</p> <ul style="list-style-type: none"> • The detailed site plan must be at a scale preferably at a scale of 1:500 or at an appropriate scale. The scale must be indicated on the plan. • The property boundaries and numbers of all the properties within 50m of the site must be indicated on the site plan. • The current land use (not zoning) as well as the land use zoning of each of the adjoining properties must be indicated on the site plan. • The position of each element of the application as well as any other structures on the site must be indicated on the site plan. • Services, including electricity supply cables (indicate above or underground), water supply pipelines, boreholes, sewage pipelines, storm water infrastructure and access roads that will form part of the development must be indicated on the site plan. • Servitudes indicating the purpose of the servitude must be indicated on the site plan. • Sensitive environmental elements within 100m of the site must be included on the site plan, including (but not limited to): <ul style="list-style-type: none"> ○ Rivers. ○ Flood lines (i.e. 1:10, 1:50, year and 32 meter set back line from the banks of a river/stream). ○ Ridges. ○ Cultural and historical features. ○ Areas with indigenous vegetation (even if it is degraded or infested with alien species). • Whenever the slope of the site exceeds 1:10, then a contour map of the site must be submitted. |
|------------|--|

(c) For a linear activity, please also provide a description of the route.

| |
|--|
| |
|--|

| | | | | | | |
|--|---------------|-----|--------|----------------|-----|--------|
| Indicate the position of the activity using the latitude and longitude of the centre point of the site. The co-ordinates must be in degrees, minutes and seconds. The minutes should be given to at least three decimals to ensure adequate accuracy. The projection that must be used in all cases is the WGS84 spheroid in a national or local projection. | Latitude (S): | | | Longitude (E): | | |
| | 34° | 24' | 45.81" | 19° | 17' | 16.81" |

(d) or:

| | | | | | | |
|----------------------------------|---------------|---|---|----------------|---|---|
| For linear activities: | Latitude (S): | | | Longitude (E): | | |
| • Starting point of the activity | ○ | ' | " | ○ | ' | " |
| • Middle point of the activity | ○ | ' | " | ○ | ' | " |
| • End point of the activity | ○ | ' | " | ○ | ' | " |

Please Note: For linear activities that are longer than 500m, please provide an addendum with co-ordinates taken every 100 meters along the route.

5. SITE PHOTOGRAPHS

Colour photographs of the site and its surroundings (taken of the site and from the site) with a description of each photograph. The vantage points from which the photographs were taken must be indicated on the site plan, or locality plan as applicable. If available, please also provide a recent aerial photograph. Photographs must be attached as **Appendix C** to this report. It should be supplemented with additional photographs of relevant features on the site. Date of photographs must be included. Please note that the above requirements must be duplicated for all alternative sites.

SECTION B: DESCRIPTION OF RECEIVING ENVIRONMENT

Site/Area Description

For linear activities (pipelines, etc.) as well as activities that cover very large sites, it may be necessary to complete copies of this section for each part of the site that has a significantly different environment. In such cases please complete copies of Section B and indicate the area which is covered by each copy No. on the Site Plan.

1. GRADIENT OF THE SITE

Indicate the general gradient of the sites (highlight the appropriate box).

| | | | |
|-------------|-------------------|------------|------------------|
| Flat | Flatter than 1:10 | 1:10 – 1:4 | Steeper than 1:4 |
|-------------|-------------------|------------|------------------|

2. LOCATION IN LANDSCAPE

(a) Indicate the landform(s) that best describes the site (highlight the appropriate box(es)).

| | | | | | | | | |
|-----------|---------|-----------------------------|---------------|-------------|--------------|----------------------------|------|------------------|
| Ridgeline | Plateau | Side slope of hill/mountain | Closed valley | Open valley | Plain | Undulating plain/low hills | Dune | Sea-front |
|-----------|---------|-----------------------------|---------------|-------------|--------------|----------------------------|------|------------------|

(b) Please provide a description of the location in the landscape.

| |
|---|
| The site is located at the bottom of a steep semi-circular ridge that is covered in natural vegetation and old milkwood trees. It is also immediately adjacent to Grotto Beach, which is a Blue Flag beach in Hermanus. The site is located at the bottom where a number of other typical beach side developments are present such as the buildings for life savers, boathouses, showers and ablution blocks as well as restaurant and picnic areas under the milkwood trees. |
| |

3. GROUNDWATER, SOIL AND GEOLOGICAL STABILITY OF THE SITE

(a) Is the site(s) located on or near any of the following (highlight the appropriate boxes)?

| | | | |
|---|-------------|------------|--------|
| Shallow water table (less than 1.5m deep) | YESX | NO | UNSURE |
| Seasonally wet soils (often close to water bodies) | YESX | NO | UNSURE |
| Unstable rocky slopes or steep slopes with loose soil | YES | NOX | UNSURE |
| Dispersive soils (soils that dissolve in water) | YES | NOX | UNSURE |
| Soils with high clay content | YES | NOX | UNSURE |
| Any other unstable soil or geological feature | YES | NOX | UNSURE |
| An area sensitive to erosion | YES | NOX | UNSURE |
| An area adjacent to or above an aquifer. | YES | NOX | UNSURE |
| An area within 100m of the source of surface water | YESX | NO | UNSURE |

(b) If any of the answers to the above are "YES" or "unsure", specialist input may be requested by the Department. (Information in respect of the above will often be available at the planning sections of local authorities. Where it exists, the 1:50 000 scale Regional Geotechnical Maps prepared by Geological Survey may also be used).

(c) Please indicate the type of geological formation underlying the site.

| | | | | | | |
|---------|-------|------------------|-----------|----------|----------|------------------|
| Granite | Shale | Sandstone | Quartzite | Dolomite | Dolorite | Other (describe) |
|---------|-------|------------------|-----------|----------|----------|------------------|

| |
|---|
| Please provide a description. |
| The underlying geological formation consists of Peninsula Formation Sandstone of the Table Mountain Group |

4. SURFACE WATER

(a) Indicate the surface water present on and or adjacent to the site and alternative sites (highlight the appropriate boxes)?

| | | | |
|------------------------------|-------------|------------|--------|
| Perennial River | YES | NOX | UNSURE |
| Non-Perennial River | YES | NOX | UNSURE |
| Permanent Wetland | YESX | NO | UNSURE |
| Seasonal Wetland | YESX | NO | UNSURE |
| Artificial Wetland | YES | NOX | UNSURE |
| Estuarine / Lagoonal wetland | YES | NOX | UNSURE |

(b) Please provide a description.

| |
|---|
| The present picnic area used to be an impenetrable permanent wetland with an unpaved path through the surrounding milkwood forest. The wetland was filled in many years ago with all sorts of extraneous material consisting of sand, gravel and building rubble. There are a number of braai areas dotted around the filled in area. Vehicular access was allowed onto the filled in area in the past but nowadays access is controlled by a boom. The area is well compacted. 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 at present from the steep cliffside that fringe the open area. |
|---|

5. BIODIVERSITY

Please note: The Department may request specialist input/studies depending on the nature of the biodiversity occurring on the site and potential impact(s) of the proposed activity/ies. To assist with the identification of the biodiversity occurring on site and the ecosystem status consult <http://bgis.sanbi.org> or BGIShelp@sanbi.org. Information is also available on compact disc (cd) from the Biodiversity-GIS Unit, Ph (021) 799 8698. This information may be updated from time to time and it is the applicant/ EAP's responsibility to ensure that the latest version is used. A map of the relevant biodiversity information (including an indication of the habitat conditions as per (b) below) and must be provided as an overlay map to the property/site plan as **Appendix D** to this report.

(a) Highlight the applicable biodiversity planning categories of all areas on site and indicate the reason(s) provided in the biodiversity plan for the selection of the specific area as part of the specific category).

| Systematic Biodiversity Planning Category | | | | If CBA or ESA, indicate the reason(s) for its selection in biodiversity plan |
|---|-------------------------------|--------------------------|--|--|
| Critical Biodiversity Area (CBA) | Ecological Support Area (ESA) | Other Natural Area (ONA) | No Natural Area Remaining (NNR) | No CBA or ESA could be determined for this area |
| | | | | |
| | | | | |

(b) Highlight and describe the habitat condition on site.

| Habitat Condition | Percentage of habitat condition class (adding up to 100%) | Description and additional Comments and Observations (including additional insight into condition, e.g. poor land management practises, presence of quarries, grazing/harvesting regimes etc). |
|---|---|--|
| Natural | 0% | |
| Near Natural (includes areas with low to moderate level of alien invasive plants) | 0% | |
| Degraded (includes areas heavily invaded by alien plants) | 0% | |
| Transformed | 100% | The area has been completely transformed by past infilling, drainage and |

| | | |
|---|--|--|
| (includes cultivation, dams, urban, plantation, roads, etc) | | compaction of wetland area and beach area. |
|---|--|--|

(c) Complete the table to indicate:

- (i) the type of vegetation, including its ecosystem status, present on the site; and
(ii) whether an aquatic ecosystem is present on site.

| Terrestrial Ecosystems | | Aquatic Ecosystems | | | | | | |
|---|-------------------------|---|----|--------|---------|------------|-------------|----|
| Ecosystem threat status as per the National Environmental Management: Biodiversity Act (Act No. 10 of 2004) | Critical | Wetland (including rivers, depressions, channelled and unchannelled wetlands, flats, seeps pans, and artificial wetlands) | | | Estuary | | Coastline | |
| | Endangered | | | | | | | |
| | Vulnerable | | | | | | | |
| | Least Threatened | | | | | | | |
| | | YESX | NO | UNSURE | YES | NOX | YESX | NO |

(d) Please provide a description of the vegetation type and/or aquatic ecosystem present on site, including any important biodiversity features/information identified on site (e.g. threatened species and special habitats)

| |
|---|
| The present picnic area used to be an impenetrable permanent wetland with an unpaved path through the surrounding milkwood forest. The wetland was filled in many years ago with all sorts of extraneous material consisting of sand, gravel and building rubble. There are a number of braai areas dotted around the filled in area. Vehicular access was allowed onto the filled in area in the past but nowadays access is controlled by a boom. The area is well compacted. 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 at present from the steep Cliffside that fringe the open area. The area surrounding the existing picnic area consists of milkwood forest with raised boardwalks that give access through the area. |
|---|

6. LAND USE OF THE SITE

Please note: The Department may request specialist input/studies depending on the nature of the land use character of the area and potential impact(s) of the proposed activity/ies.

| | | | | |
|----------------------------------|---|--|---------------------------------|---|
| Untransformed area | Low density residential | Medium density residential | High density residential | Informal residential |
| Retail | Commercial & warehousing | Light industrial | Medium industrial | Heavy industrial |
| Power station | Office/consulting room | Military or police base/station/compound | Casino/entertainment complex | Tourism & Hospitality facility |
| Open cast mine | Underground mine | Spoil heap or slimes dam | Quarry, sand or borrow pit | Dam or reservoir |
| Hospital/medical center | School | Tertiary education facility | Church | Old age home |
| Sewage treatment plant | Train station or shunting yard | Railway line | Major road (4 lanes or more) | Airport |
| Harbour | Sport facilities | Golf course | Polo fields | Filling station |
| Landfill or waste treatment site | Plantation | Agriculture | River, stream or wetland | Nature conservation area |
| Mountain, koppie or ridge | Museum | Historical building | Graveyard | Archeological site |
| Other land uses (describe): | Filled in wetland developed as a picnic and restaurant area | | | |
| | | | | |

(a) Please provide a description.

| |
|---|
| The present picnic area used to be an impenetrable permanent wetland with an unpaved path through the surrounding milkwood forest. The wetland was filled in many years ago with all sorts of extraneous material consisting of sand, gravel and building rubble. There are a number of braai areas dotted around the filled in area. Vehicular access was allowed onto the filled in area in the past but nowadays access is controlled by a boom. The area is well compacted. 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 at present from the steep Cliffside that fringe the open area. The area surrounding the existing picnic area consists of milkwood forest with raised boardwalks that give access through the area. |
|---|

7. LAND USE CHARACTER OF SURROUNDING AREA

- (a) Highlight the current land uses and/or prominent features that occur within +/- 500m radius of the site and neighbouring properties if these are located beyond 500m of the site.

Please note: The Department may request specialist input/studies depending on the nature of the land use character of the area and potential impact(s) of the proposed activity/ies.

| Untransformed area | Low density residential | Medium density residential | High density residential | Informal residential |
|----------------------------------|--------------------------------|--|---------------------------------|---|
| Retail | Commercial & warehousing | Light industrial | Medium industrial | Heavy industrial |
| Power station | Office/consulting room | Military or police base/station/compound | Casino/entertainment complex | Tourism & Hospitality facility |
| Open cast mine | Underground mine | Spoil heap or slimes dam | Quarry, sand or borrow pit | Dam or reservoir |
| Hospital/medical center | School | Tertiary education facility | Church | Old age home |
| Sewage treatment plant | Train station or shunting yard | Railway line | Major road (4 lanes or more) | Airport |
| Harbour | Sport facilities | Golf course | Polo fields | Filling station |
| Landfill or waste treatment site | Plantation | Agriculture | River, stream or wetland | Nature conservation area |
| Mountain, koppie or ridge | Museum | Historical building | Graveyard | Archeological site |
| Other land uses (describe): | | | | |
| | | | | |

- (b) Please provide a description, including the distance and direction to the nearest residential area and industrial area.

| |
|--|
| The nearest residential area is located immediately above the picnic area but is not visible from the existing picnic area. The houses are occupied by mainly retired residents and expensive and exclusive holiday residences. The nearest industrial area is ~7 km to the west as the crow flies. The area immediately surrounding the site and to the east consists of a dense milkwood forest in good condition and this area is at present in the process of being incorporated into the Fernkloof Nature Reserve by the Overstrand Municipality. |
| |

8. SOCIO-ECONOMIC ASPECTS

Describe the existing social and economic characteristics of the community in order to provide baseline information.

| |
|---|
| The communities surrounding the site consist of higher income group retired persons that live there permanently or people that have holiday houses in the area. The houses consists of older large architecturally designed houses as well as very large modern houses that have been constructed after the old house has been knocked down |
| |

9. HISTORICAL AND CULTURAL ASPECTS

- (a) Please be advised that if section 38 of the National Heritage Resources Act, 1999 (Act No. 25 of 1999), is applicable to your proposed development, then you are requested to furnish this Department with written comment from Heritage Western Cape as part of your public participation process. Section 38 of the Act states as follows: "38. (1) Subject to the provisions of subsections (7), (8) and (9), any person who intends to undertake a development categorised as-
- (a) the construction of a road, wall, power line, pipeline, canal or other similar form of linear development or barrier exceeding 300m in length;
 - (b) the construction of a bridge or similar structure exceeding 50m in length;
 - I any development or other activity which will change the character of a site-
 - (i) exceeding 5 000 m² in extent; or
 - (ii) involving three or more existing erven or subdivisions thereof; or
 - (iii) involving three or more erven or divisions thereof which have been consolidated within the past five years;
- or
- (iv) the costs of which will exceed a sum set in terms of regulations by SAHRA or a provincial heritage resources authority;

- (d) the re-zoning of a site exceeding 10 000 m² in extent; or
 (e) any other category of development provided for in regulations by SAHRA or a provincial heritage resources authority,
 must at the very earliest stages of initiating such a development, notify the responsible heritage resources authority and furnish it with details regarding the location, nature and extent of the proposed development."
- (b) The impact on any national estate referred to in section 3(2), excluding the national estate contemplated in section 3(2)(i)(vi) and (vii), of the National Heritage Resources Act, 1999 (Act No. 25 of 1999), must also be investigated, assessed and evaluated. Section 3(2) states as follows: "3(2) Without limiting the generality of subsection (1), the national estate may include—
 (a) places, buildings, structures and equipment of cultural significance;
 (b) places to which oral traditions are attached or which are associated with living heritage;
 (c) historical settlements and townscapes;
 (d) landscapes and natural features of cultural significance;
 (e) geological sites of scientific or cultural importance;
 (f) archaeological and palaeontological sites;
 (g) graves and burial grounds, including—
 (i) ancestral graves;
 (ii) royal graves and graves of traditional leaders;
 (iii) graves of victims of conflict;
 (iv) graves of individuals designated by the Minister by notice in the Gazette;
 (v) historical graves and cemeteries; and
 (vi) other human remains which are not covered in terms of the Human Tissue Act, 1983 (Act No. 65 of 1983);
 (h) sites of significance relating to the history of slavery in South Africa;
 (i) movable objects, including—
 (i) objects recovered from the soil or waters of South Africa, including archaeological and palaeontological objects and material, meteorites and rare geological specimens;
 (ii) objects to which oral traditions are attached or which are associated with living heritage;
 (iii) ethnographic art and objects;
 (iv) military objects;
 (v) objects of decorative or fine art;
 (vi) objects of scientific or technological interest; and
 (vii) books, records, documents, photographic positives and negatives, graphic, film or video material or sound recordings, excluding those that are public records as defined in section 1(xiv) of the National Archives of South Africa Act, 1996 (Act No. 43 of 1996)."

| | | | |
|--|---|-----------|-----------|
| Is section 38 of the National Heritage Resources Act, 1999, applicable to the development? | | YESX | NO |
| | | UNCERTAIN | |
| If YES, explain: | The rehabilitation of the wetland and fynbos area with the creation of the amphitheatre and stage will exceed 5000m ² . This will all take place in the already previously disturbed area. | | |
| Will the development impact on any national estate referred to in section 3(2) of the National Heritage Resources Act, 1999? | | YES | NOX |
| | | UNCERTAIN | |
| If YES, explain: | | | |
| Will any building or structure older than 60 years be affected in any way? | YES | NOX | UNCERTAIN |
| If YES, explain: | | | |
| | | | |

Please Note: If uncertain, the Department may request that specialist input be provided.

10.APPLICABLE LEGISLATION, POLICIES AND/OR GUIDELINES

- (a) Please list all legislation, policies and/or guidelines that have been considered in the preparation of this Basic Assessment Report.

| LEGISLATION | ADMINISTERING AUTHORITY | TYPE Permit/ license/ authorisation/comment / relevant consideration (e.g. rezoning or consent use, building plan approval) | DATE (if already obtained): |
|-----------------------------|-------------------------|---|-----------------------------------|
| Overstrand Municipality SDF | Overstrand Municipality | | |
| National Env Management Act | DEA&DP | | |
| SA Heritage Resources Act | Heritage Western Cape | | |
| National Water Act | DWA | | |

| POLICY/ GUIDELINES | ADMINISTERING AUTHORITY |
|--|-------------------------|
| Guideline on Alternatives | DEA&DP |
| Guideline for Environmental Management Plans | DEA&DP |
| Guideline on Need and Desirability | DEA&DP |
| Waste Minimisation Guidelines for Environmental Impact Assessment Review | DEA&DP |
| Guideline on Public Participation | DEA&DP |
| Guideline on Exemption Applications | DEA&DP |

(b) Please describe how the legislation, policies and/or guidelines were taken into account in the preparation of this Basic Assessment Report.

| LEGISLATION / POLICY / GUIDELINE | DESCRIBE HOW THE LEGISLATION / POLICY / GUIDELINE WERE TAKEN INTO ACCOUNT (e.g. describe the extent to which it was adhered to, or deviated from, etc). |
|--|--|
| Overstrand Municipality SDF | The SDF does not address this activity specifically, but the area is zoned for public open space (adhered to fully). |
| National Env Management Act | Relevant regulations govern content and process of EIA (adhered to fully) |
| Guideline on Alternatives | Used to determine reasonable and feasible alternatives and also the mandatory assessment of the no – go alternative (adhered to fully) |
| Guideline for Environmental Management Plans | Definition of management actions to avoid , eliminating, offsetting, or reducing adverse environmental impacts during construction and operational phases and enhancing positive impacts (adhered to in high extent) |
| Guideline on Need and Desirability | Used to answer is this the right time and is it the right place for locating the type of land-use/activity being proposed? In other words, is this development considered wise use of land – i.e. the question of whether the development could be considered as sustainable use of land, keeping in mind the triple bottom line (fully adhered to) |
| Waste Minimisation Guidelines for Environmental Impact Assessment Review | Used to determine the limitation of generation of waste and the re-use thereof to limit negative environmental impacts and to maximize the re-use of waste resources (fully adhered to) |
| Guideline on Public Participation | Guideline used to determine extent of public participation required and based on three variables of : <ul style="list-style-type: none"> the scale of anticipated impacts of the proposed project; the sensitivity and the degree of controversy of the project; and the characteristics of the potentially affected parties. Adhered to fully. |
| Guideline on Exemption Applications | Guideline used to determine requirements for exemption from Regulation 10(2)(d), if applicable and based on rationale of guideline to integrate the public participation processes required for exemption applications with the public participation requirements as part of the Basic Assessment process (adhered to fully). |
| | |

Please note: Copies of any permit(s) or licences received from any other organ of state must be attached this report as Appendix E.

SECTION C: PUBLIC PARTICIPATION

The public participation process must fulfil the requirements outlined in NEMA, the EIA Regulations, and if applicable the NEM: WA and/or the NEM: AQA. This Department's *Guideline on Public Participation* (August 2010) and *Guideline on Exemption Applications* (August 2010), both of which are available on the Department's website (<http://www.capegateway.gov.za/eadp>), must also be taken into account.

Please highlight the appropriate box to indicate whether the specific requirement was undertaken or whether there was a deviation that was agreed to by the Department.

| | | | |
|--|------|----------|-----|
| 1. Were all potential interested and affected parties notified of the application by – | | | |
| (a) fixing a notice board at a place conspicuous to the public at the boundary or on the fence of – | | | |
| (i) the site where the activity to which the application relates is to be undertaken; and | YESX | DEVIATED | |
| (ii) any alternative site mentioned in the application; | YESX | DEVIATED | |
| (b) giving written notice to – | | | |
| (i) the owner or person in control of that land if the applicant is not the owner or person in control of the land; | YESX | N/A | |
| (ii) the occupiers of the site where the activity is to be undertaken and to any alternative site where the activity is to be undertaken; | YESX | DEVIATED | |
| (iii) owners and occupiers of land adjacent to the site where the activity is to be undertaken and to any alternative site where the activity is to be undertaken; | YESX | DEVIATED | |
| (iv) the municipal councillor of the ward in which the site and alternative site is situated and any organisation of ratepayers that represent the community in the area; | YESX | DEVIATED | |
| (v) the municipality which has jurisdiction in the area; | YESX | DEVIATED | |
| (vi) any organ of state having jurisdiction in respect of any aspect of the activity; and | YESX | DEVIATED | |
| (vii) any other party as required by the competent authority; | YESX | DEVIATED | |
| I placing an advertisement in – | | | |
| (i) one* local newspaper; and | YESX | DEVIATED | |
| (ii) any official Gazette that is published specifically for the purpose of providing public notice of applications or other submissions made in terms of these Regulations; | YES | DEVIATED | N/A |
| (d) placing an advertisement in at least one* provincial newspaper or national newspaper, if the activity has or may have an impact that extends beyond the boundaries of the metropolitan or local municipality in which it is or will be undertaken. | YES | DEVIATED | N/A |

* Please note: In terms of the NEM: WA and NEM: AQA a notice must be placed in at least two newspapers circulating in the area in which the activity applied for is to be carried out.

| |
|---|
| 2. Provide a list of all the state departments that were consulted: |
| DEA&DP |
| Dept of Water Affairs |
| Heritage Western Cape |
| |
| |

| |
|--|
| 3. Please provide an overall summary of the Public Participation Process that was followed. (The detailed outcomes of this process must be included in a comments and response report to be attached to the final Basic Assessment Report (see note below) as Appendix F). |
|--|

The public participation process to be followed in the abovementioned instance was designed from the onset driven by the DEA&DP NEMA EIA Guideline on Public Participation and was initiated by the following series of events, which occurred more or less simultaneously:

- social profiling as described by O'Connor (1977) was employed to determine the key characteristics of potential Interested and Affected Parties as well as the organs of state that have an interest in the proposed upgrade of the Piet se Bos and Grotto Beach development area as mentioned elsewhere in the report, as starting point for identifying potential stakeholders;
- brainstorming sessions were held with some authorities to further identify key stakeholders who may have an interest in or be affected by the proposal;
- the proposed upgrade was advertised in the "Hermanus Times " of 14 March 2013, giving details of how to engage in the process, as well as the deadline for comment, etc.;
- at the same time an on-site advert was fixed at a conspicuous place of the site mentioned in the application;
- a Background Information Document (BID) was compiled that contained enough detail that could be made available to potential I&APs, either by direct posting or upon request in response to advertisements, etc., to allow them access to information to make informed inputs to the environmental impact assessment process;
- the site advert, the advertisement in the newspaper and BID gave details of the application, which is subjected to public participation as well as stated:
 - that the application had been submitted to the competent authority in terms of the NEMA Regulations;
 - that Basic Assessment procedures were being applied to the application for environmental authorisation;
 - stating the nature and location of the activity to which the application relates;
 - where further information on the application and proposed activity could be obtained;
 - and the manner in which, as well as the person, to whom representations in respect of the application could be made, giving contact details;
 - informing potential Interested and Affected Parties about the process requirements for formal registration as I&AP who will be further involved in the assessment process;
 - as well as the deadline for registration and comment.
- the documents were sent to the municipal councillor of the ward in which the site is situated;
- the documents were sent to the municipality which has jurisdiction in the area;
- the documents were sent to organs of state having jurisdiction in respect of any aspect of the activity;
- municipalities and other organs of state were notified and given an opportunity to comment in writing;
- a register of I&APs was opened and all correspondence received is to be responded to;
- a draft Basic Assessment Report was made available in the Hermanus Library and upon request to all I&APs who requested it, the availability of which was advertised in the newspaper advert, as well as to organs of state which has jurisdiction in respect of any aspect of the activity, after it was made available to DEA&DP;
- a final copy of the BAR will be made available to all registered I&APs.

Please note:

Should any of the responses be "No" and no deviation or exemption from that requirement was requested and agreed to /granted by the Department, the Basic Assessment Report will be rejected.

A list of all the potential interested and affected parties, including the organs of State, notified and a list of all the register of interested and affected parties, must be submitted with the final Basic Assessment Report. The list of registered interested and affected parties must be opened, maintained and made available to any person requesting access to the register in writing.

The draft Basic Assessment Report must be submitted to the Department before it is made available to interested and affected parties, including the relevant organs of State and State departments which have jurisdiction with regard to any aspect of the activity, for a 40-day commenting period. With regard to State departments, the 40-day period commences the day after the date on which the Department as the competent/licensing authority requests such State department in writing to submit comment. The applicant/EAP is therefore required to inform this Department in writing when the draft Basic Assessment Report will be made available to the relevant State departments for comment. Upon receipt of the Draft Basic Assessment Report and this confirmation, this Department will in accordance with Section 24O(2) and (3) of the NEMA request the relevant State departments to comment on the draft report within 40 days.

All comments of interested and affected parties on the draft Basic Assessment Report must be recorded, responded to and included in the Comments and Responses Report included as Appendix F to the final Basic Assessment Report. If necessary, any amendments in response to comments received must be effected in the Basic Assessment Report itself. The Comments and Responses Report must also include a description of the public participation process followed.

The final Basic Assessment Report must be made available to registered interested and affected parties for comment before submitting it to the Department for consideration. Unless otherwise indicated by the Department, a final Basic Assessment Report must be made available to the registered interested and affected parties for

comment for a minimum of 21-days. Comments on the final Basic Assessment Report does not have to be responded to, but the comments must be attached to the final Basic Assessment Report.

The minutes of any meetings held by the EAP with interested and affected parties and other role players which record the views of the participants must also be submitted as part of the public participation information to be attached to the final Basic Assessment Report as Appendix F.

Proof of all the notices given as indicated, as well as of notice to the interested and affected parties of the availability of the draft Basic Assessment Report and final Basic Assessment Report must be submitted as part of the public participation information to be attached to the final Basic Assessment Report as Appendix F.

SECTION D: NEED AND DESIRABILITY

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

| | | | |
|---|-------------|------------|----------------|
| 1. Is the activity permitted in terms of the property's existing land use rights? | YESX | NO | Please explain |
| The land portion is zoned public open space. | | | |
| | | | |
| 2. Will the activity be in line with the following? | | | |
| (a) Provincial Spatial Development Framework (PSDF) | YESX | NO | Please explain |
| The PSDF does not address this activity at this level | | | |
| | | | |
| (b) Urban edge / Edge of Built environment for the area | YESX | NO | Please explain |
| The land portion is inside the urban edge | | | |
| | | | |
| (c) Integrated Development Plan and Spatial Development Framework of the Local Municipality (e.g. would the approval of this application compromise the integrity of the existing approved and credible municipal IDP and SDF?). | YESX | NO | Please explain |
| | | | |
| | | | |
| (d) Approved Structure Plan of the Municipality | YESX | NO | Please explain |
| The Structure Plan shows the public open space | | | |
| | | | |
| (e) An Environmental Management Framework (EMF) adopted by the Department (e.g. Would the approval of this application compromise the integrity of the existing environmental management priorities for the area and if so, can it be justified in terms of sustainability considerations?) | YES | NO | Please explain |
| n/a | | | |
| | | | |
| (f) Any other Plans (e.g. Guide Plan) | YES | NO | Please explain |
| n/a | | | |
| | | | |
| 3. Is the land use (associated with the activity being applied for) considered within the timeframe intended by the existing approved Spatial Development Framework (SDF) agreed to by the relevant environmental authority (i.e. is the proposed development in line with the projects and programmes identified as priorities within the credible IDP)? | YESX | NO | Please explain |
| This is an existing public open space area indicated as such in the SDF | | | |
| | | | |
| 4. Should development, or if applicable, expansion of the town/area concerned in terms of this land use (associated with the activity being applied for) occur here at this point in time? | YESX | NO | Please explain |
| This is an essential upgrade of the existing public open space that is an important in enhancing the use of the open space.. | | | |
| | | | |
| 5. Does the community/area need the activity and the associated land use concerned (is it a societal priority)? (This refers to the strategic as well as local level (e.g. development is a national priority, but within a specific local context it could be inappropriate.) | YESX | NO | Please explain |
| The upgrade will largely enhance the use to the community to which the public open space can be put | | | |
| | | | |
| 6. Are the necessary services with adequate capacity currently available (at the time of application), or must additional capacity be created to cater for the development? (Confirmation by the relevant Municipality in this regard must be attached to the final Basic Assessment Report as Appendix E.) | YESX | NO | Please explain |
| The services are all existing in the area and are supplied by the municipality. | | | |
| | | | |
| 7. Is this development provided for in the infrastructure planning of the municipality, and if not what will the implication be on the infrastructure planning of the municipality (priority and placement of services and opportunity costs)? (Comment by the relevant Municipality in this regard must be attached to the final Basic Assessment Report as Appendix E.) | YES | NO | Please explain |
| There will be no impact on municipal infrastructure. | | | |
| | | | |
| 8. Is this project part of a national programme to address an issue of national concern or importance? | YES | NOX | Please explain |
| | | | |
| | | | |

| | | | |
|---|-------------|------------|----------------|
| 9. Do location factors favour this land use (associated with the activity applied for) at this place? (This relates to the contextualisation of the proposed land use on this site within its broader context.) | YESX | NO | Please explain |
| The existing location of the public open space dictates the area of the upgrade.. | | | |
| 10. How will the activity or the land use associated with the activity applied for, impact on sensitive natural and cultural areas (built and rural/natural environment)? | YES | NO | Please explain |
| An area of very disturbed wetland will be re-instated and the public open space upgraded for enhanced public use. | | | |
| 11. How will the development impact on people's health and wellbeing (e.g. in terms of noise, odours, visual character and sense of place, etc)? | YES | NO | Please explain |
| No impact | | | |
| 12. Will the proposed activity or the land use associated with the activity applied for, result in unacceptable opportunity costs? | YES | NOX | Please explain |
| | | | |
| 13. What will the cumulative impacts (positive and negative) of the proposed land use associated with the activity applied for, be? | YES | NO | Please explain |
| The cumulative positive impact will be the rehabilitation of part of the old wetland as well as enhancing the use of the public open space area and extending the public use opportunities | | | |
| 14. Is the development the best practicable environmental option for this land/site? | YESX | NO | Please explain |
| Upgrading the existing public open space area. | | | |
| 15. What will the benefits be to society in general and to the local communities? | | | Please explain |
| The cumulative positive impact will be the rehabilitation of part of the old wetland as well as enhancing the use of the public open space area and extending the public use opportunities | | | |
| 16. Any other need and desirability considerations related to the proposed activity? | | | Please explain |
| No | | | |

(17) Please describe how the general objectives of Integrated Environmental Management as set out in section 23 of NEMA have been taken into account:

"The purpose of Chapter 5 of NEMA is to promote the application of appropriate environmental management tools in order to ensure the integrated environmental management of activities. The general objective of integrated environmental management is to :

(a) promote the integration of the principles of environmental management set out in section 2 into the making of all decisions which may have a significant effect on the environment; (See next table box numbered 18 below)

(b) identify, predict and evaluate the actual and potential impact on the environment, socio-economic conditions and cultural heritage, the risks and consequences (Section F of the BAR and especially point 6) and alternatives (Section E of the BAR) 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 section 2;

(c) ensure that the effects of activities on the environment receive adequate consideration before actions are taken in connection with them; (the entire BAR process followed under NEMA for this application)

(d) ensure adequate and appropriate opportunity for public participation in decisions that may affect the environment; (refer Section C of the BAR)

(e) ensure the consideration of environmental attributes in management and decision making which may have a significant effect on the environment; (Section F of the BAR) and

(f) identify and employ the modes of environmental management best suited to ensuring that a particular activity is pursued in accordance with the principles of environmental management set out in section 2. (Section F of the BAR and the EMP)

(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:

- o placing people and their needs at the forefront of its concern (*upgrade of area and rehabilitation of part of the wetland*);
- o promote socially, environmentally and economically sustainable development (*BAR assessment process*)
- o 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*)
- o the avoidance and minimisation of pollution and degradation of the environment (*upgrading the public open space*).
- o avoidance of disturbance of any elements of cultural heritage; (*none are relevant to this project*)
- o recycling of waste and disposal of waste in responsible manner;
- o cautious and risk –averse approach in decision which considers limits of knowledge; (*well understood project scope and implementation methodology*)
- o 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;
- (c) 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 identified 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 off 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 Cliffsides. 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. 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 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 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: | | |
| | | |
| | | |

(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? | ~R70000-00 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 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: Unlikely A2: Unlikely |
| 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 will be visible on the site, but not from the residences above and will be in keeping with, 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: 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: Medium(+) |
| 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. |
| 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(+) |

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|---|---|
| Potential impacts on the socio-economic aspects: | |
| Nature of impact: | The tourism potential and economic return will be much enhanced due to the upgrading of the area 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: 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 |

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| Potential noise impacts: | |
| 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 visual impacts: | |
| Nature of impact: | Both the amphitheatre complex and the restaurant will be visible on the site in the long term, but not from the residences above and will be in keeping with, 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(+) |

- (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 |

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|--|------|
| 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 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 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 |

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| 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 |

(d) **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:

| |
|---|
| To date there were no requirements for specialist studies but it may be necessary to conduct a limnological study to guide the rehabilitation of the wetland portion. |
| |

8. IMPACT SUMMARY

Please provide a summary of all the above impacts.

| |
|--|
| <p>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 grottoes 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 reuction oin 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 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.</p> |
| |

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.

YESX

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:

YESX

NO

Please provide reasons for your opinion

This is an application to upgrade the existing 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 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

IC 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:

EnviroAfrica Overberg Environmental Planning and Impact Assessment Consultants

Name of company:

2013-03-15

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)

IC 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:

2013-03-15

Date:

APPENDIX A

LOCALITY MAP



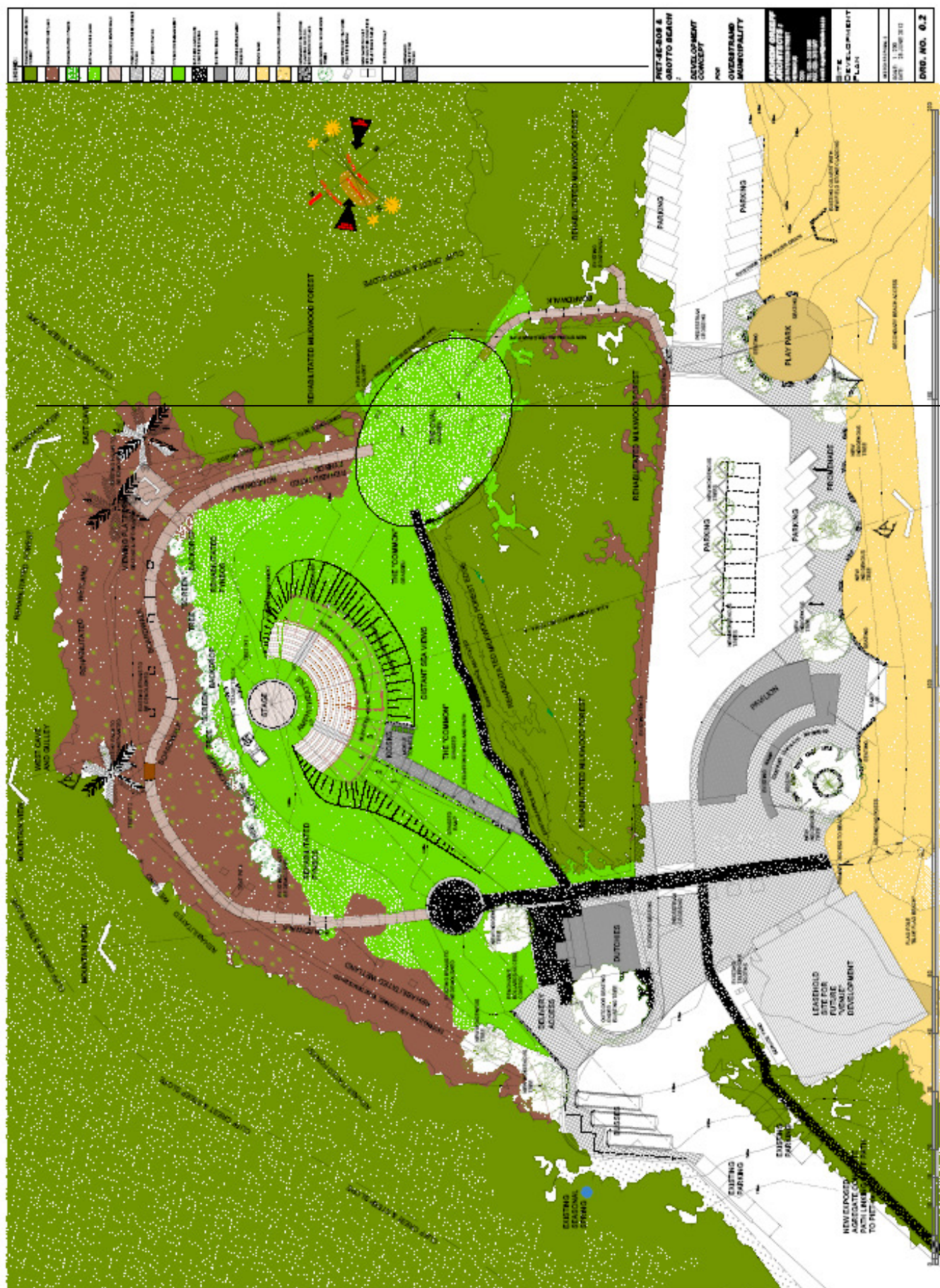
FIGURE 1: Map showing the location at a scale of 1:50000 (3419AD Stanford) of the existing recreational area (red circle) to be upgraded at Grotto Beach, Hermanus.

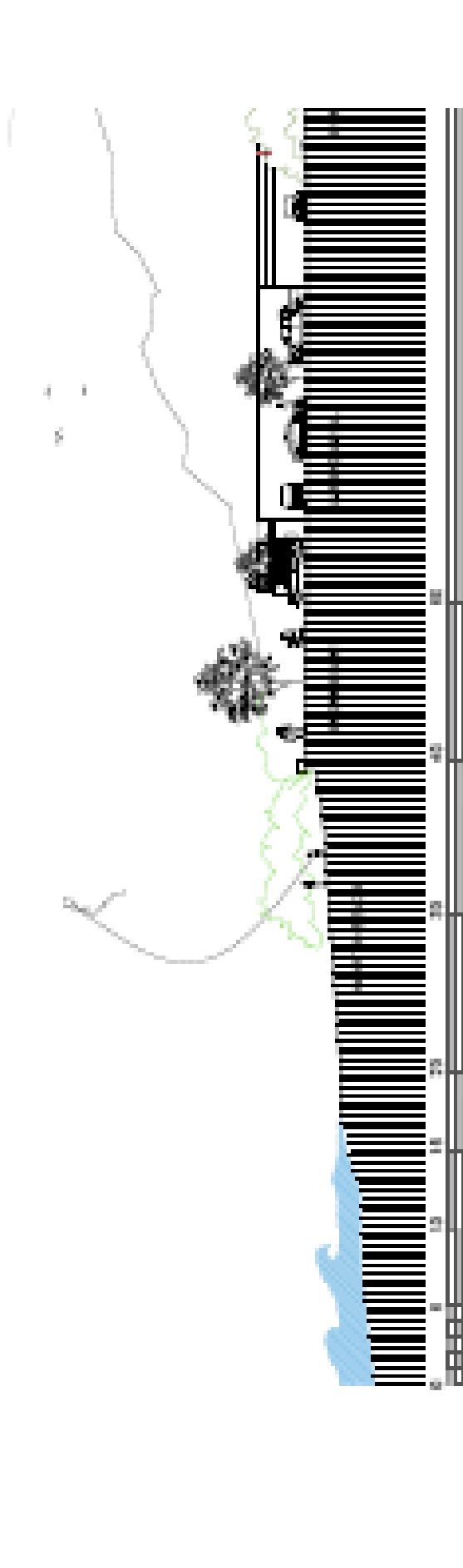


AERIAL PHOTO showing the location of the recreational area to be upgraded, by means of rehabilitation of part of an old wetland, the construction of amphitheatre, drainage control (dotted line circle) and restaurant area solid line circle) at Grotto Beach, Hermanus.

APPENDIX B

SITE PLANS





DIAGRAMMATIC 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.

APPENDIX J

IMPACT ASSESSMENT METHODOLOGY USED

METHODOLOGY TO ASSESS POTENTIAL IMPACTS IDENTIFIED

The potential impacts of the proposed activity on the various components of the receiving environment was evaluated in terms of nature, duration (time scale), extent (spatial scale), magnitude and significance as outlined in Table 1. The impacts were furthermore assessed in terms of the probability of the impact occurring, the degree in which the impacts may be reversed, the degree in which the impact may cause irreplaceable loss of resources and the degree in which the impact may be mitigated. These impacts could either be positive or negative.

The magnitude of an impact is a judgement value that rests with the individual assessor while the determination of significance rests on a combination of the criteria for duration, extent and magnitude. Significance thus is also a judgement value made by the individual assessor.

In addition to determining the individual impacts against the various criteria, the element of mitigation, where relevant, was also brought into the assessment. In such instances the impact was assessed with a statement on the mitigation measure that should be applied.

Table 1: Criteria used for evaluating impacts

| Criteria | Category |
|---|---|
| Duration | Long term: >15 years Medium term: 5 – 15 years Short term: 1 – 5 years Temporary: < 1 year (not including construction) |
| Extent | Large: Beyond 5 km of the site (regional) Medium: Within 5 km of the site (local) Small: On site or within 1 km of the site (limited) |
| Magnitude | High: Natural and/or social functions/processes are severely altered Medium: Natural and/or social functions/processes are notably altered Low: Natural and/or social functions/processes are slightly altered Very low: Natural and/or social functions/processes are negligibly altered |
| Significance (The impact on each component is determined by a combination of the above criteria and defined as follows) | Very high: Impacts have a high magnitude and will be experienced regionally for at least the life span of the development, or will be irreversible High: Impacts will be experienced in the local and surrounding areas for the life span of the development and may result in long term changes Medium: Impacts will be localised and short to long term Low: Impacts will be site specific and temporary No change: A potential concern which was found to have no impact when evaluated |
| Probability | Certain: The impact will occur Likely: The impact is likely to manifest wholly or partially Unlikely: It is unlikely that the impact will occur |
| Degree of Reversal | High: The impact may be reversed in such a way that the <i>status quo</i> prior to development is attained Medium: The impact may be reversed to a state where certain processes remain altered while others are restored Low: The impacts cannot be reversed |
| Degree in which irreplaceable loss of resources may occur | High: Impact will result in loss of resource that is not replaceable and not replicated elsewhere Medium: Impact will result in loss of resource that is not replaceable but is replicated elsewhere Low: Impact will not result in any loss of resources or restricted to a very minor loss |
| Degree to which impact can be mitigated | High: The impact may be mitigated in such a way that the <i>status quo</i> prior to development is attained Medium: The impact may be mitigated to a state where certain processes remain altered while others are restored Low: The impacts cannot be mitigated or only very minor mitigation can be achieved. |