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, braai and restaurant area by the re-instatement of the wetland portion and the construction of the restaurant building
Duration of impact	NG: None A1: Long term A2: Long term A3: Long term
Extent of impact	NG: None A1: Small A2: Small A3: Small
Probability of occurrence:	NG: None A1: Certain A2: Certain A3: Certain
Degree to which the impact can be reversed:	NG: n/a A1: Low A2: Medium A3: Medium
Degree to which the impact may cause irreplaceable loss of resources:	NG; None A1: Low A2: Medium A3: Low
Cumulative impact prior to mitigation:	NG; n/a A1: Medium(-) A2: Medium(-) A3: Low(-)
Significance rating of impact prior to mitigation (Low, Medium, Medium-High, High, or Very-High)	NG; n/a A1: Medium A2: Medium A3: Low
Degree to which the impact can be mitigated:	NG; n/a A1: Medium A2: Low A3: High
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: Medium(+) A2: Low(+) A3: High(+)
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	NG: None A1: Medium(+) A2: Low(-) A3: High(+)

Potential impact on biological aspects:	
Nature of impact:	There will be re-instatement of a portion of the wetland and protection for the milkwood forest against the cliffside due to inaccessibility through the wetland.
Duration of impact:	NG: None A1: Long term A2: n/a (no re-instatement of wetland) A3: Long term
Extent of impact	NG: None A1: Small A2: n/a A3: Small
Probability of occurrence:	NG: None A1: Certain A2: Certain A3: Certain
Degree to which the impact can be reversed:	NG: n/a A1: Low A2: n/a A3: Medium
Degree to which the impact may cause irreplaceable loss of resources:	NG; None A1: Low A2: High A3: Low
Cumulative impact prior to mitigation:	NG; n/a A1: Medium(-) A2: Medium(-) A3: Low(-)
Significance rating of impact prior to mitigation (Low, Medium, Medium-High, High, or Very-High)	NG; n/a A1: High A2: High A3: Medium
Degree to which the impact can be mitigated:	NG; n/a A1: High A2: Low A3: High
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: Medium(+) A2: Medium(-) A3: High(+)
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	NG: None A1: Low(-) A2: Medium(-) A3: High(+)

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 A3: Temporary
Extent of impact	NG: None A1: Small A2: Small A3: Small
Probability of occurrence:	NG: None A1: Likely A2: Likely A3: Likely
Degree to which the impact can be reversed:	NG: n/a A1: n/a A2: n/a A3: n/a

Degree to which the impact may cause irreplaceable loss of resources:	NG; None A1: Low A2: Low A3: Low
Cumulative impact prior to mitigation:	NG; n/a A1: Low A2: Low A3: Low
Significance rating of impact prior to mitigation (Low, Medium, Medium-High, High, or Very-High)	NG; n/a A1: Low(+) A2: Low(+) A3: Low(+)
Degree to which the impact can be mitigated:	NG; n/a A1: Low A2: Low A3: Low
Proposed mitigation:	Ensure that local contractors and labourers get priority to do the upgrade
Cumulative impact post mitigation:	NG; n/a A1: Low(+) A2: Low(+) A3: Low(+)
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	NG: None A1: Medium(+) A2: Medium(+) A3: 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 A3: Small
Duration of impact	NG: None A1: Temporary A2: Temporary A3: Temporary
Probability of occurrence:	NG: None A1:Likely A2: Likely A3: Likely
Degree to which the impact can be reversed:	NG: n/a A1: Low A2: Low A3: Low
Degree to which the impact may cause irreplaceable loss of resources:	NG; None A1: Low A2: Low A3: Low
Cumulative impact prior to mitigation:	NG; n/a A1: Low(-)

	A2: Low(-) A3: Low(-)
Significance rating of impact prior to mitigation (Low, Medium, Medium-High, High, or Very-High)	NG; n/a A1: Low(-) A2: Low(-) A3: Low(-)
Degree to which the impact can be mitigated:	NG; n/a A1: High A2: High A3: 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(-) A3: Very Low(-)
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	NG: None A1: Low(-) A2: Low(-) A3: Low(-)

Potential visual impacts:	
Nature of impact:	The restaurant construction will be visible on the site as additional structures to what there is now, but minimally from two of the residences above and will be in keeping with the existing developments already on site, Locally the construction of the wetland will be visible
Extent of impact:	NG: None A1: Small A2: Small A3: Small
Duration of impact	NG: None A1: Long term A2: Long term A3: Long term
Probability of occurrence:	NG: None A1: Certain A2: Certain A3: Certain
Degree to which the impact can be reversed:	NG: n/a A1: Low A2: Low A3: Low
Degree to which the impact may cause irreplaceable loss of resources:	NG; None A1: Low A2: Low A3: Low
Cumulative impact prior to mitigation:	NG; n/a A1: Low(-) A2: Low(-) A3: Low(-)
Significance rating of impact prior to mitigation (Low, Medium, Medium-High, High, or Very-High)	NG; n/a A1: Low(-) A2: Low(-) A3: Low(-)
Degree to which the impact can be mitigated:	NG; n/a A1: Low A2: Low A3: 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(-) A3: Very Low(-)
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	NG: None A1: Low(-) A2: Low(-) A3: 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, braai and restaurant area by the re-instatement of the wetland portion and the construction of the restaurant building
Duration of impact	NG: None A1: Long term A2: Long term A3: Long term
Extent of impact	NG: None A1: Small A2: Small A3: Small
Probability of occurrence:	NG: None A1: Certain A2: Certain A3: Certain
Degree to which the impact can be reversed:	NG: n/a A1: Low A2: Medium A3: Medium
Degree to which the impact may cause irreplaceable loss of resources:	NG; None A1: Low A2: Medium A3: Low
Cumulative impact prior to mitigation:	NG; n/a A1: Medium(-) A2: Medium(-) A3: Low(-)
Significance rating of impact prior to mitigation (Low, Medium, Medium-High, High, or Very-High)	NG; n/a A1: Medium A2: Medium A3: Low
Degree to which the impact can be mitigated:	NG; n/a A1: Medium A2: Low A3: High
Proposed mitigation:	Manage re-instatement of the wetland portion properly and maintain drainage structure of wetland area in functional condition to maintain optimal water level in the wetland area.
Cumulative impact post mitigation:	NG: None A1: Medium(+) A2: Low(+) A3: High(+)
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	NG: None A1: Medium(+) A2: Low(-) A3: High(+)

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 and A3). This will not be the case for A2.
Duration of impact:	NG: None A1: Long term A2: n/a (no re-instatement of wetland) A3: Long term
Extent of impact	NG: None A1: Small A2: n/a A3: Small
Probability of occurrence:	NG: None A1: Certain A2: Certain A3: Certain
Degree to which the impact can be reversed:	NG: n/a A1: Low

	A2: n/a A3: Medium
Degree to which the impact may cause irreplaceable loss of resources:	NG; None A1: Low A2: High A3: Low
Cumulative impact prior to mitigation:	NG; n/a A1: Medium(-) A2: Medium(-) A3: Low(-)
Significance rating of impact prior to mitigation (Low, Medium, Medium-High, High, or Very-High)	NG; n/a A1: High A2: High A3: Medium
Degree to which the impact can be mitigated:	NG; n/a A1: High A2: Low A3: High
Proposed mitigation:	Manage re-instatement of the wetland portion properly and maintain drainage structure of wetland area in functional condition to maintain optimal water level in the wetland area.
Cumulative impact post mitigation:	NG: None A1: Medium(+) A2: Medium(-) A3: High(+)
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	NG: None A1: Low(-) A2: Medium(-) A3: High(+)

Potential impacts on the socio-economic aspects:	
Nature of impact:	The tourism potential and economic return will be enhanced due to the environmental improvement of the wetland, picnic and braai area. This and the restaurant will create opportunities for economic potential to be enhanced.
Duration of impact	NG: None A1: Long term A2: Long term A3: Long term
Extent of impact	NG: None A1: Small A2: Small A3: Small
Probability of occurrence:	NG: None A1: Likely A2: Likely A3: Likely
Degree to which the impact can be-reversed:	NG: n/a A1: Low A2: Low A3: Low
Degree to which the impact may cause irreplaceable loss of resources:	NG; None A1: Medium A2: Medium A3: Low
Cumulative impact prior to mitigation:	NG: n/a A1: Medium(-) A2: Medium(-) A3: Medium(+)
Significance rating of impact prior to mitigation (Low, Medium, Medium-High, High, or Very-High)	NG; n/a A1: Low(+) A2: Low(-) A3: Medium(+)
Degree to which the impact can be mitigated:	NG; n/a A1: Medium A2: Medium A3: 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: Medium(+)

	A2: Low(+) A3: High(+)
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	NG: None A1: Medium(-) A2: High(-) A3: Medium(+)

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

Potential noise impacts:	
Nature of impact:	There will be some noise associated with the enhanced use of the Grotto Beach public area due to the increased tourism and change in the public use of the area.
Extent of impact:	NG: None A1: Small A2: Small A3: Small
Duration of impact	NG: None A1: Long term A2: Long term A3: Long term
Probability of occurrence:	NG: None A1: Certain A2: Certain A3: Certain
Degree to which the impact can be reversed:	NG: n/a A1: Low A2: Low A3: Low
Degree to which the impact may cause irreplaceable loss of resources:	NG; None A1: Medium A2: Medium A3: Low
Cumulative impact prior to mitigation:	NG; n/a A1: Medium(-) A2: Medium(-) A3: Low(-)
Significance rating of impact prior to mitigation (Low, Medium, Medium-High, High, or Very-High)	NG; n/a A1: Medium(-) A2: Medium(-) A3: Low(+)
Degree to which the impact can be mitigated:	NG; n/a A1: Medium A2: Low A3: High
Proposed mitigation:	Ensure proper marketing and management of the area and manage the type of mass public use of the picnic and braai area by groups as well as management of existing services to make the tourism experience coupled with the Blue Flag beach a unique one.
Cumulative impact post mitigation:	NG; n/a A1: Medium(+) A2: Low(+) A3: High(+)
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	NG: None A1: Medium

	A2: Medium A3: Low

Potential visual impacts:	
Nature of impact:	The restaurant will be visible on the site in the long term and from the clifftop above, but will be in keeping with the existing infrastructure and enhance the aesthetic character of the existing surrounding Grotto Beach development
Extent of impact:	NG: None A1: Small A2: Small A3: Small
Duration of impact	NG: None A1: Long term A2: Long term A3: Long term
Probability of occurrence:	NG: None A1: Certain A2: Certain A3: Certain
Degree to which the impact can be reversed:	NG: n/a A1: Low A2: Low A3: Low
Degree to which the impact may cause irreplaceable loss of resources:	NG; None A1: Low A2: Low A3: 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 A3: Low
Degree to which the impact can be mitigated:	NG; n/a A1: Medium A2: Low A3: High
Proposed mitigation:	Over time the area can be beautified by the use of proper textures for pathways and braai structures as well as the selective planting of trees to green the area where trees have been removed in the past and active management of the wetland and fynbos area.
Cumulative impact post mitigation:	NG: None A1: Medium(+) A2: Low(+) A3: High(+)
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	NG: None A1: Medium A2: High A3: Low

(d) **Potential parking impacts:**

Nature of impact:	There is an expectation that there will be parking problems associated with the events at the amphitheatre and the enhanced use of the Grotto Beach public area due to the increased tourism and change in the public use of the area.
Extent of impact:	NG: None A1: Small A2: Small A3: Small
Duration of impact	NG: None A1: Long term A2: Long term A3: Long term
Probability of occurrence:	NG: None A1: Uncertain A2: Uncertain A3: Uncertain
Degree to which the impact can be reversed:	NG: n/a A1: Low A2: Low

	A3: Low
Degree to which the impact may cause irreplaceable loss of resources:	NG; None A1: Medium A2: Medium A3: Low
Cumulative impact prior to mitigation:	NG; n/a A1: Medium(-) A2: Medium(-) A3: Medium(-)
Significance rating of impact prior to mitigation (Low, Medium, Medium-High, High, or Very-High)	NG; n/a A1: Medium A2: Medium A3: Medium
Degree to which the impact can be mitigated:	NG; n/a A1: Medium A2: Medium A3: High
Proposed mitigation:	Ensure proper parking management of the area during high public use periods with use of adequate traffic officers and traffic control as well as management of existing services to make the tourism experience coupled with the Blue Flag beach a unique one.
Cumulative impact post mitigation:	NG; n/a A1: Medium A2: Medium A3: Low
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	NG: None A1: Medium A2: Medium A3: Low

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

NOTE THAT THERE WILL BE NO DECOMMISSIONING AND CLOSURE PHASE

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

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

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

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

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

(e) **Any other impacts:**

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

7. SPECIALIST INPUTS/STUDIES AND RECOMMENDATIONS

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

Specialist inputs/studies and recommendations:

A specialist wetland study was conducted to guide the rehabilitation of the wetland portion and is attached in Appendix G.

8. IMPACT SUMMARY

Please provide a summary of all the above impacts.

The proposed implementation of the upgrade of the existing picnic and restaurant area at Piet se Bos and Grotto Beach was assessed by means of the basic impact assessment procedure. The location of the upgrade has no alternatives due to the fact that this existing public open space is fixed on this section of Erf 4771, Hermanus. There are three alternative layouts that were identified namely A1(a non-preferred alternative), the upgrade consisting of the construction of the amphitheatre and restaurant area 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. The second alternative A2 (non-preferred alternative) will be exactly the same amphitheatre and restaurant development, but without the re-instatement of the wetland portion. The third alternative A3 (preferred alternative) will consist of the re-instatement of a portion of the original wetland and modified outlet structure around a section of the perimeter of the development footprint that will consist of the upgrade of the picnic and braai area as well as the construction of the single storey restaurant on the old Nautilus site footprint. All three alternatives will transform the physical character of the area either positively or negatively, depending on your personal perspective. Alternatives A1 and A2 were vehemently opposed during the public participation process and was subsequently both reduced to non-preferred alternatives. Alternative A3 would re-instate the ecotone between the old wetland and the milkwood forest that exists against the steep surrounding slope. Provision of a raised boardwalk for pedestrians through the wetland and vantage points to view the grottos would channel pedestrian traffic and prevent them access into the milkwood forest, which is not currently the case. Alternative A3 would also contribute to an increase in biodiversity in the area that will be concomitant with the creation of the wetland portion and reduction in access to the milkwood forest. Alternative 3 also has reduced the restaurant on the old Nautilus footprint from a double storey to a single storey building. Alternative 3 would be the cheapest of the the tree alternatives assessed and would contribute to the added tourism of the Grotto area. Disruptions during the construction phase of all three alternatives wwould be temporary and can easily be managed with the implementation of the EMP. All three alternatives will have a visual impact with that of Alternative A3 the least differing from what is there at present and it will be in keeping with the character of the existing developments of the Blue Flag Grotto Beach area. Alternative 3 would offer a more diverse environmental experience than what is on site at present but of the three alternatives would have the least potential to generate an income that could be used against which the offset the cost of maintaining the Grotto Blue Flag Beach status. There will be additional noise impacts that are associated with the enhanced use of the upgraded public area and the catering for an increased and changing tourism experience on which Hermanus is economically dependent to a large extent. There will be no decommissioning phase for the alternative A3. The No-Go Option would obviously not present any of the positive social, economic or environmental impacts associated with the proposed preferred alternative 3.

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. The Overstrand Muncipality has also obtained clean financial audits for a number of years.

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 public recreational picnic and restaurant area that was created many years ago by infilling of a wetland, by means of re-instating a portion of the wetland and its drainage channels with adequate water level control to manage the much altered water flow regime due to town development to the wetland area. This upgrade will benefit both the natural environment as described in the BAR as well as add to the tourism potential of the immediate Grotto Beach area. The sustainable use of the upgraded area will also be ensured and make a limited contribution to the local economy. The impact assessment process has not indicated any reasons why this public

recreational area should not be upgraded as envisaged, given the socio-economic and environmental benefits associated therewith. There is no natural vegetation left in the area of the existing footprint that will be upgraded that could be impacted, as well as the fact that no ecosystem processes nor biodiversity threats or infringement on natural corridors were found to be impacted. A positive aspect is the re-instatement of the fringing portion of the wetland that will also act as a protective barrier to the milkwood forest against the Cliffside.
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.
The standard period of approvalbut of five years is fine, 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) Specialist Wetland Rehabilitation Report	✓
Appendix H :	Environmental Management Programme	✓
Appendix I:	Additional information related to listed waste management activities (if applicable)	
Appendix J:	Any Other (if applicable) (Impact Assessment Methodology used)	✓

DECLARATIONS

THE APPLICANT

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

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

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

Signature of the applicant:

Overstrand Municipality
Name of company:

2014-07-30
Date:

SPECIAL POWER OF ATTORNEY

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

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

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

Signed at Hermanus on this 4 day of March 2013

SIGNED: .....

SIGNED: .....

In the presence of the undersigned witnesses:

AS WITNESSES: -

1. .....

2. .....

THE INDEPENDENT ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP)

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

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

Signature of the environmental assessment practitioner:

EnviroAfrica (Overberg) Environmental Planning and Impact Assessment Consultants

Name of company:

2014-07-30

Date:

APPENDIX A

LOCALITY MAP

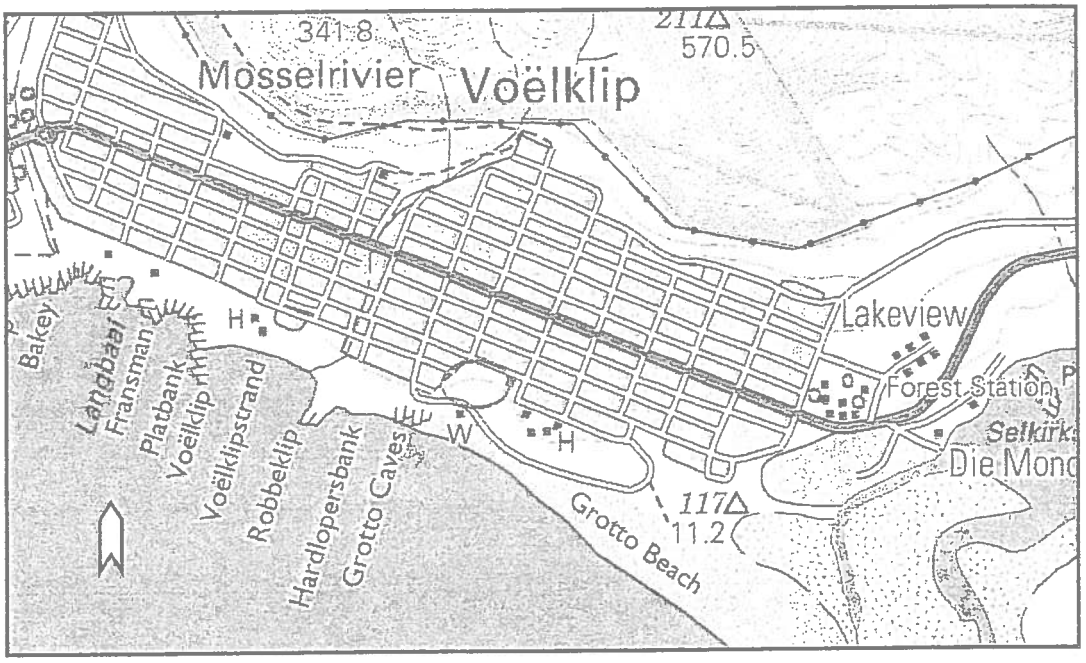
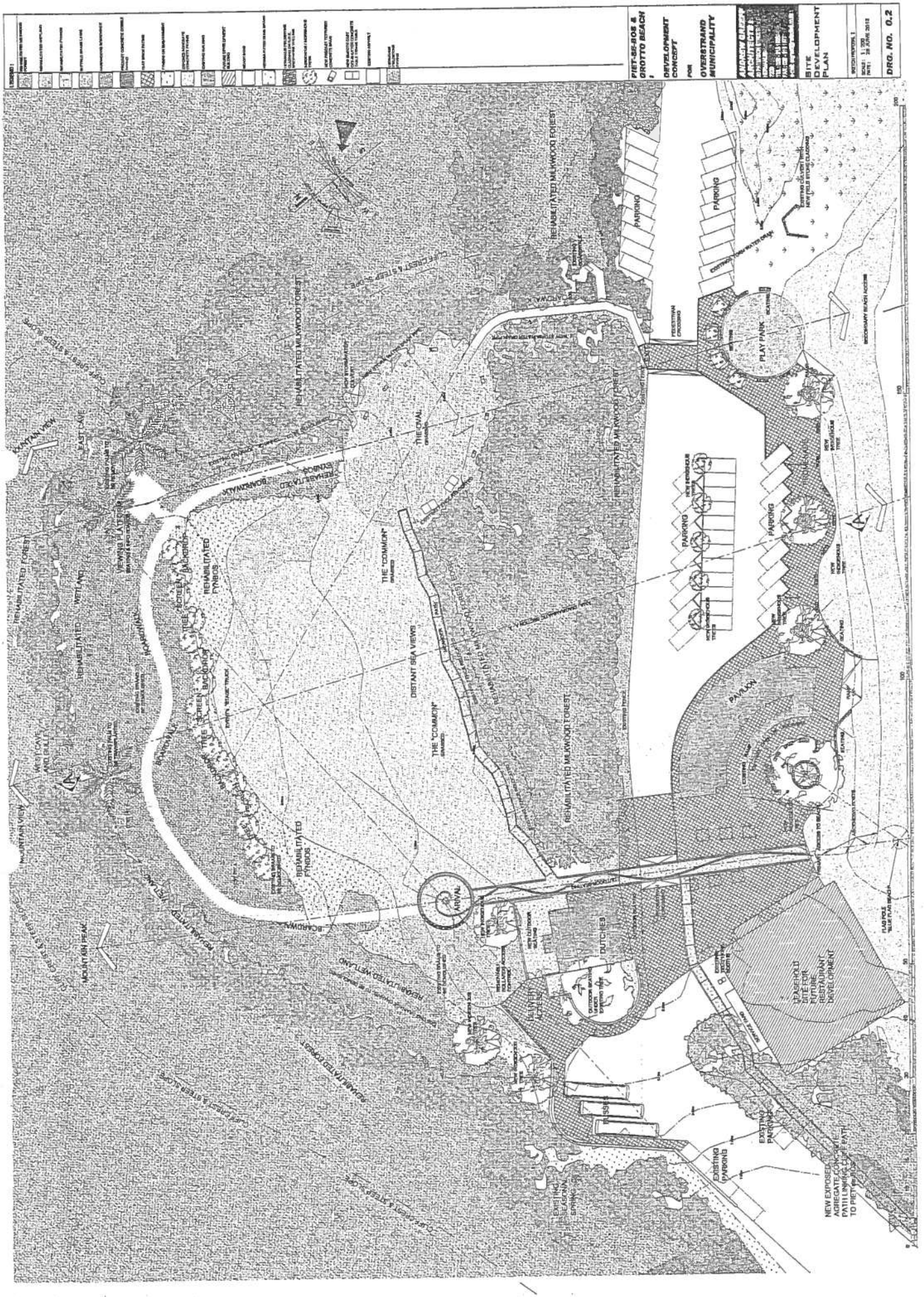


FIGURE 1: Map showing the location at a scale of 1:50000 (3419AD Stanford) of the existing recreational area (red circle) to be upgraded at Grotto Beach, Hermanus.

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

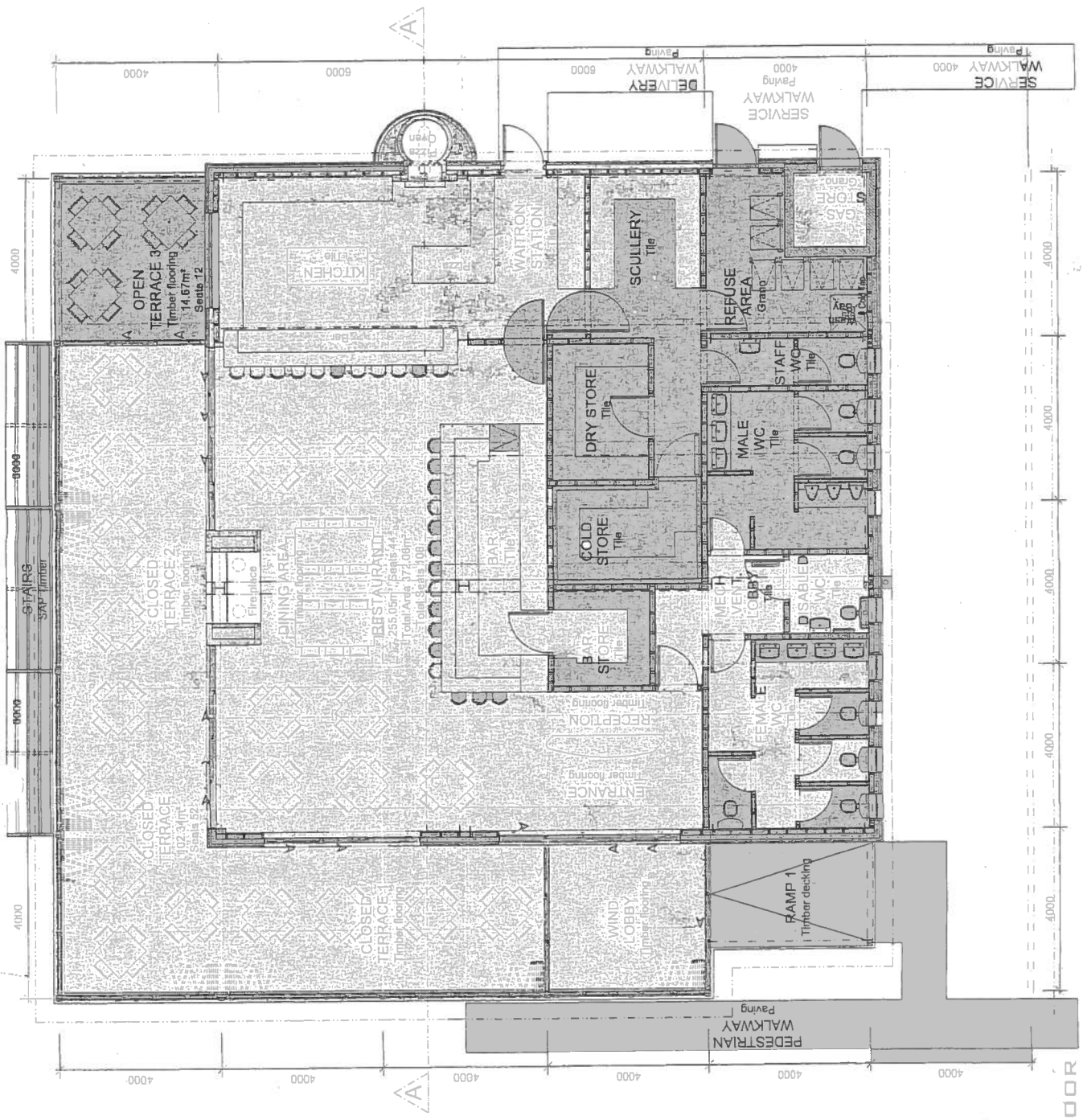
APPENDIX B

SITE PLANS


PIET-SE-SOS & GROTTO BEACH
DEVELOPMENT CONCEPT
FOR
OVERSTRAND MUNICIPALITY
SITE DEVELOPMENT PLAN
DRG. NO. 0.2
PARKING
PLAY PARK
PAVILION
THE "COMMON"
THE OVAL
REHABILITATED MILKWOOD FOREST
REHABILITATED WETLAND
REHABILITATED FYNBOS
DISTANT SEA VIEWS
MOUNTAIN VIEW
MOUNTAIN PEAK
WEST COVE
EAST COVE
ARRIVAL
DUTCHES
BOARDWALK
LEASEHOLD SITE FOR FUTURE RESTAURANT DEVELOPMENT
EXISTING PARKING
EXISTING PAVILION
NEW EXPOSED AGGREGATE CONCRETE PATH LINKING COVE PATH TO PIET-SE-SOS

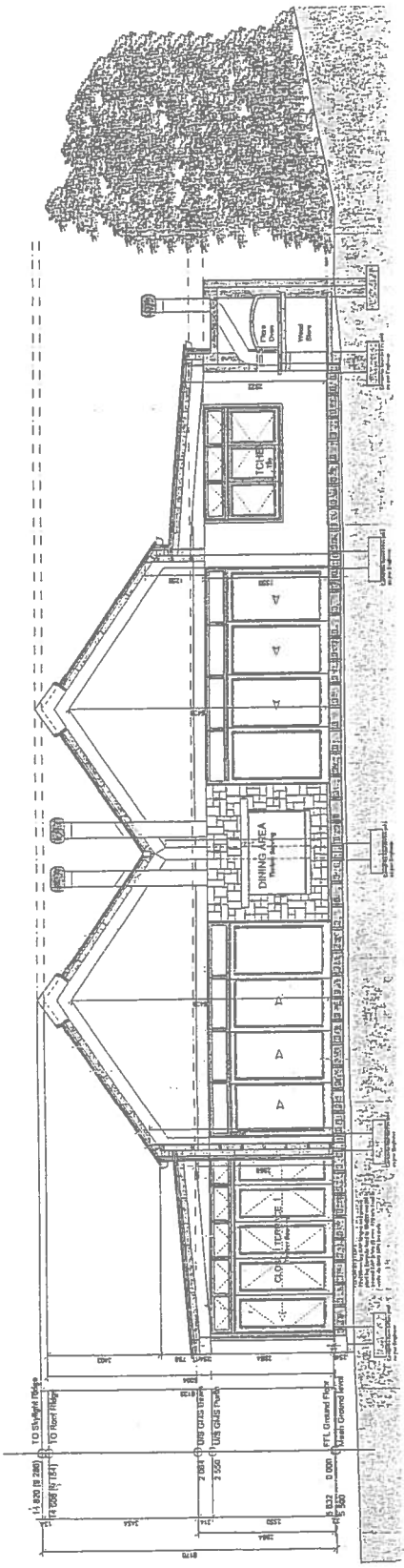
GROTTO BEACH DEVELOPMENT
AREA TABLE

SYMBOL	DISCRIPTION	AREA
GROUND FLOOR	GROUND FLOOR AREA	415.81m²
	RESTAURANT	372.69m² SEATING FOR 186
	TOTAL BULK	372.69m²
	TOTAL COVERAGE	415.81m²



PLAN : GROUND FLOOR
SCALE 1 : 50

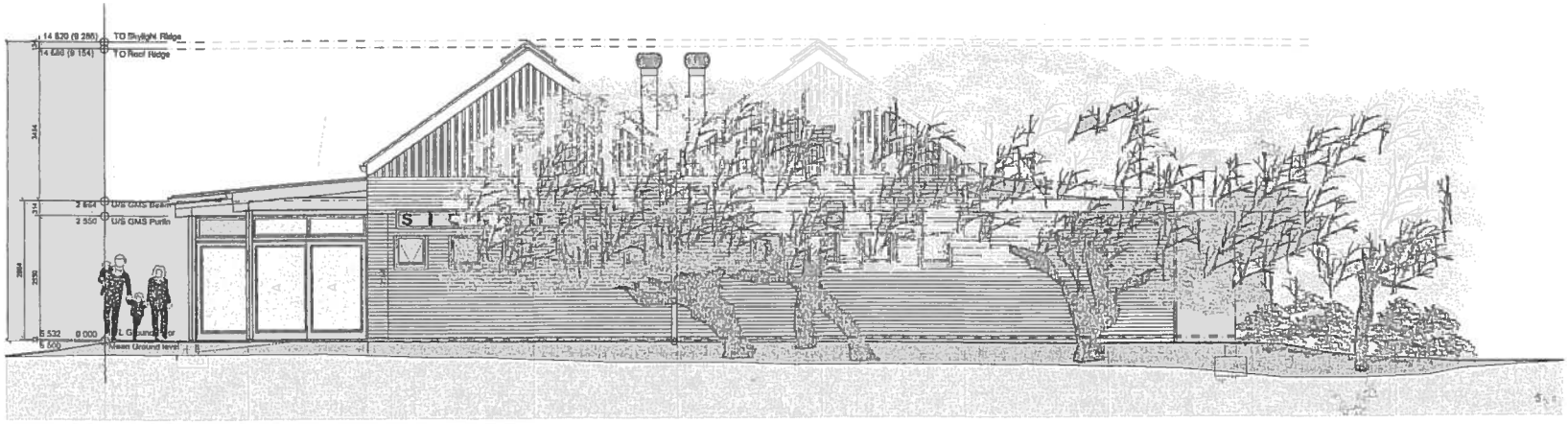
PROPOSED NEW RESTAURANT


DINING AREA
KITCHEN
SECTION : A-A
SCALE 1 : 50

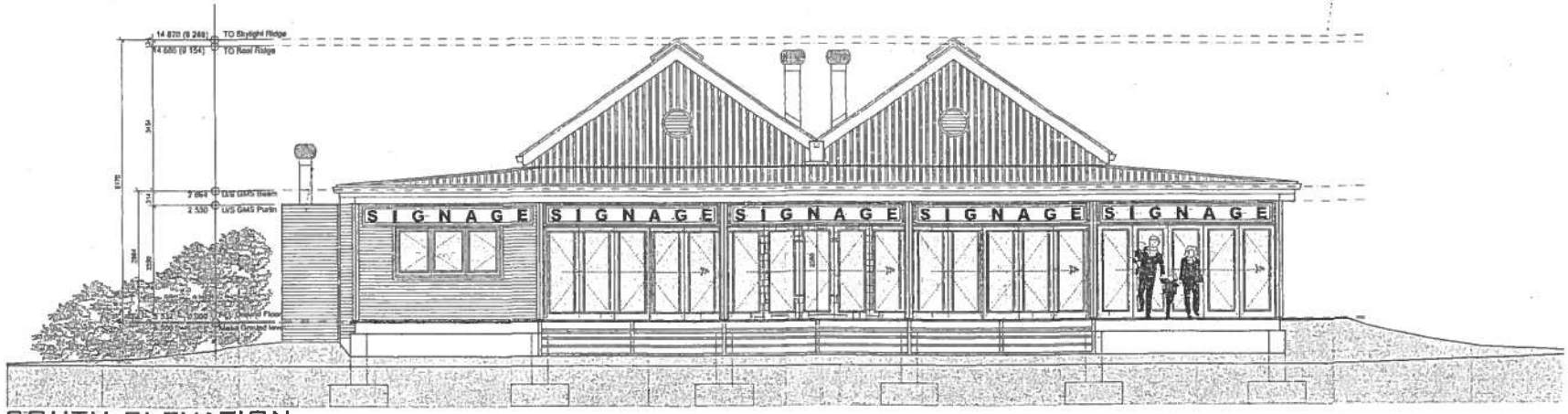
PLAN : LOCALITY
SCALE 1 : 500

ANDREW GRSEFF ARCHITECTS

ANNEXURE D 51/551



NORTH ELEVATION
SCALE 1 : 50



SOUTH ELEVATION
SCALE 1 : 50

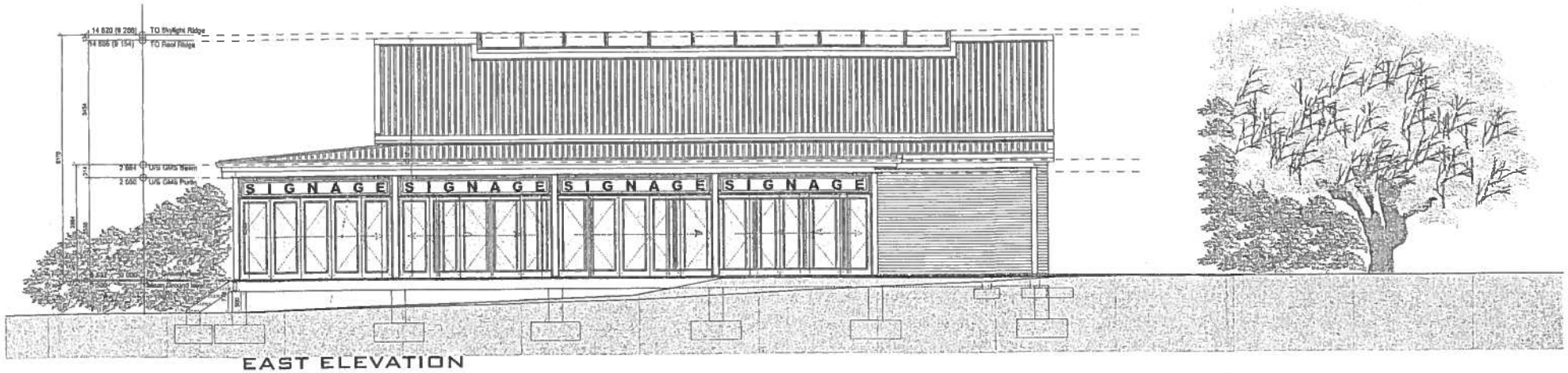
PROPOSED NEW RESTAURANT

SKETCH PROPOSAL 3

ANDREW SPROFF ARCHITECTS

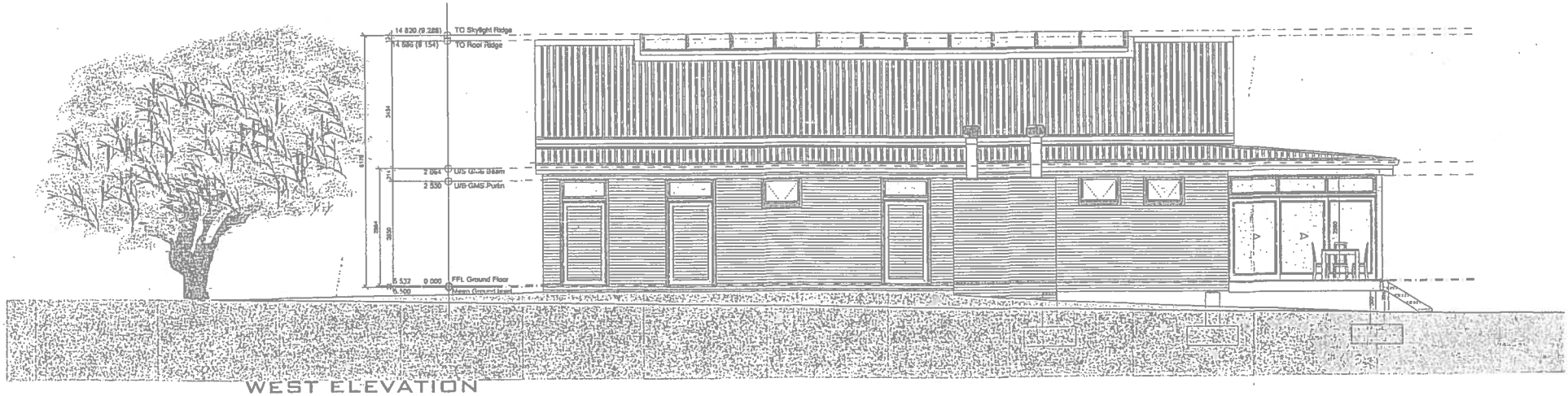
945

ANNEXURE D 52/551



EAST ELEVATION

SCALE 1 : 50



WEST ELEVATION

SCALE 1 : 50

PROPOSED NEW RESTAURANT

SKETCH PROPOSALS

ANDREW GREEFF ARCHITECTS

946

ANNEXURE D 53/551

APPENDIX C

PHOTOGRAPHS

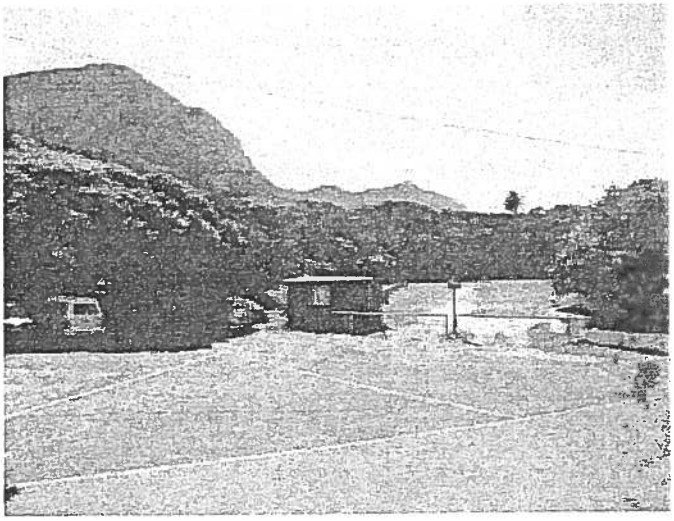
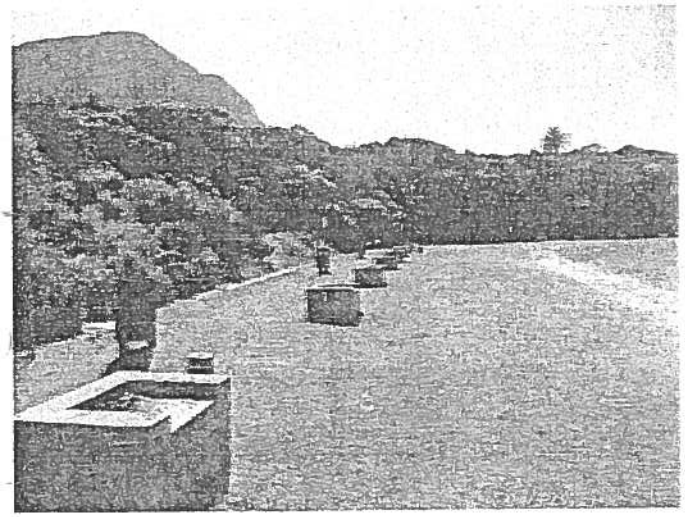
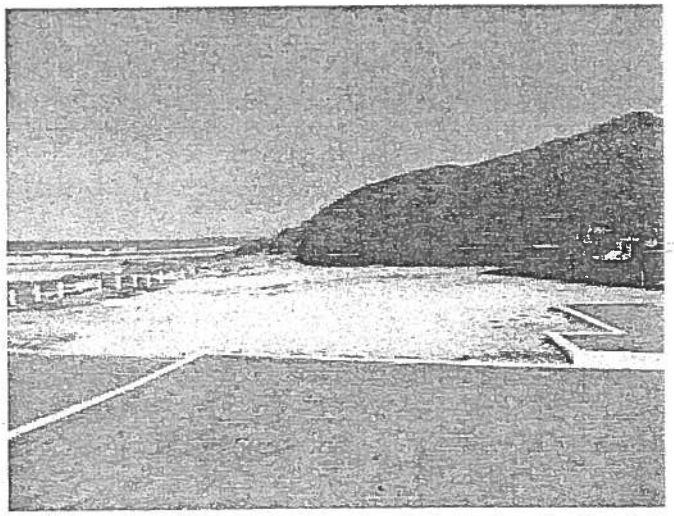


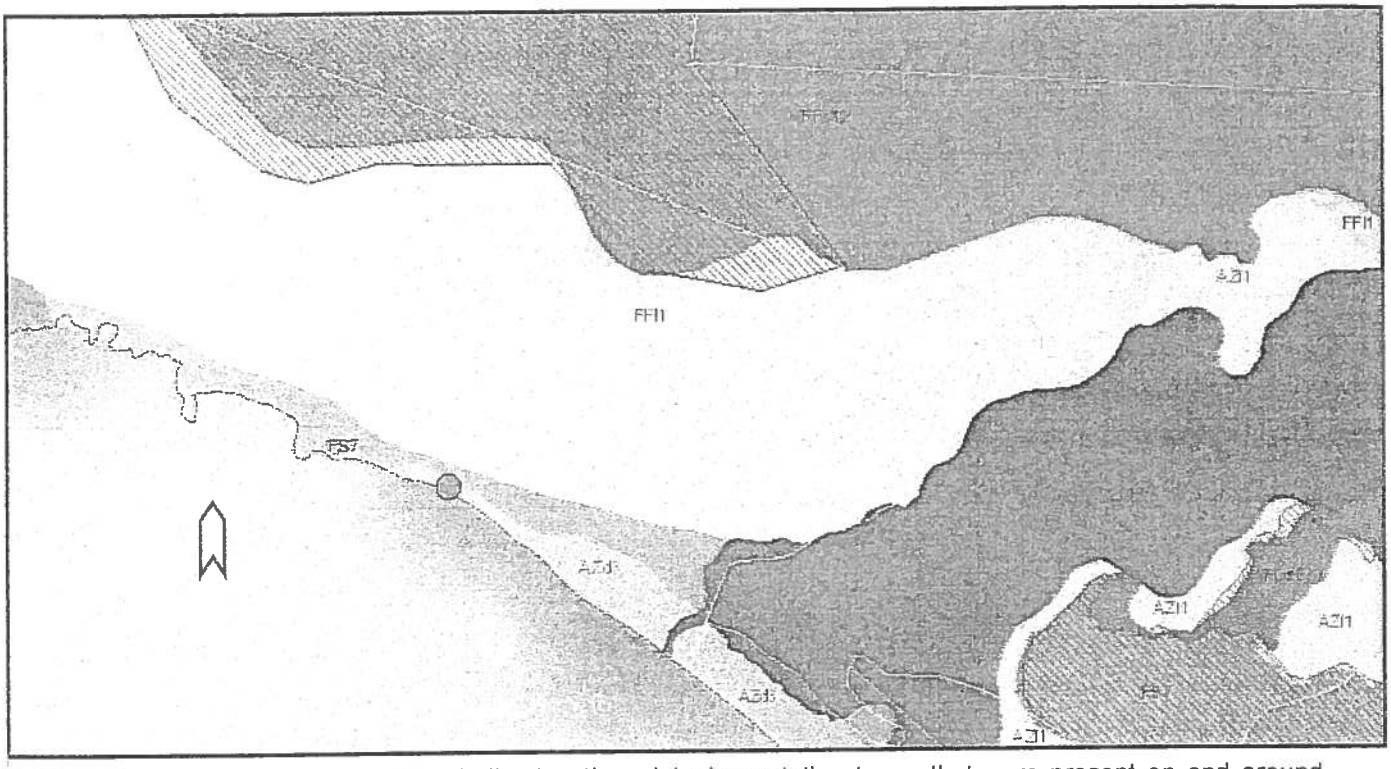
PHOTO on the left is taken from a southerly towards a northerly direction showing the entrance to the recreational area to be upgrade, located behind the wooden hut. The area where the proposed freehold area for the restaurant is located is directly to the south of the position from which the photo was 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.