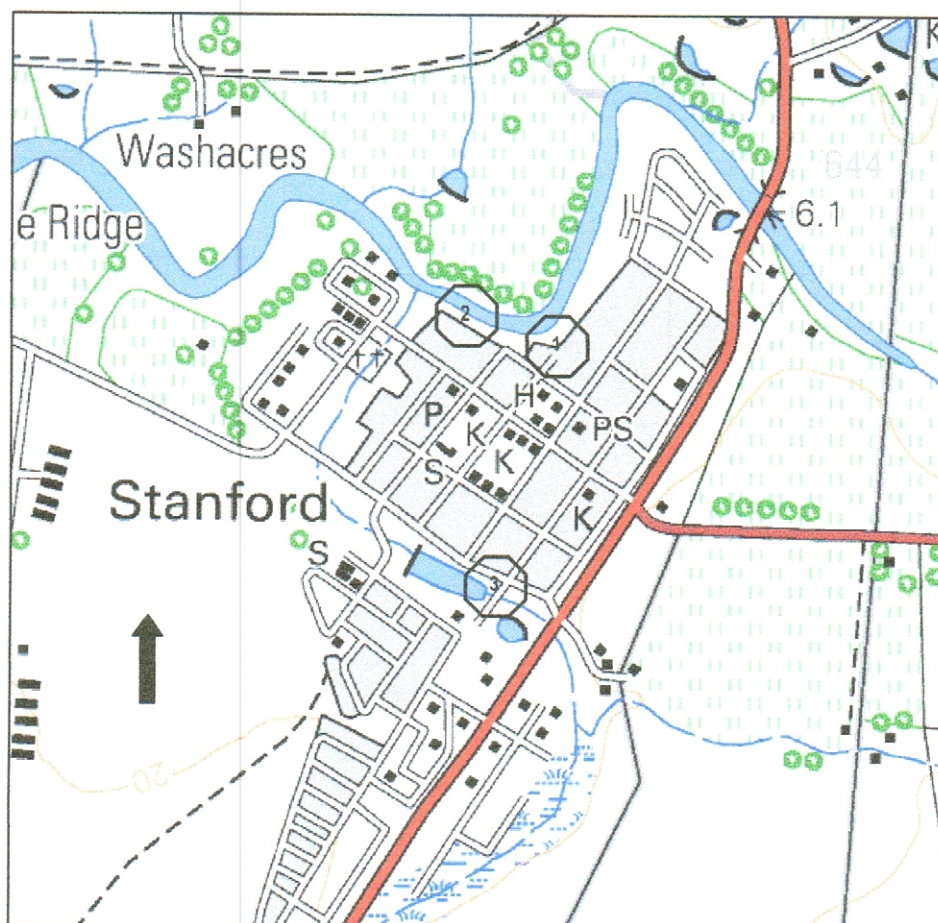


## ***UPGRADING OF RIVER FRONT DEVELOPMENTS IN STANFORD***

*OVERSTRAND MUNICIPALITY STANFORD*

**PROPOSED WALKWAYS, JETTIES, VIEWING PLATFORMS, ABLUTION BLOCK AND BIRD HIDE AT VARIOUS LOCATIONS IN STANFORD**



## ***Draft Basic Assessment Report***

*JUNE 2015*

# ***UPGRADING OF RIVER FRONT DEVELOPMENTS IN STANFORD***

## ***OVERSTRAND MUNICIPALITY, STANFORD***

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 WALKWAYS, JETTIES, VIEWING PLATFORMS, ABLUTION BLOCK AND BIRD HIDE AT VARIOUS LOCATIONS IN STANFORD***

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***PROJECT No: 15/06/301***

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**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**

<b>CAPE TOWN OFFICE REGION A (Cape Winelands, City of Cape Town: Tygerberg and Oostenberg Administrations)</b>	<b>CAPE TOWN OFFICE REGION B (West Coast, Overberg, City of Cape Town: Helderberg, South Peninsula, Cape Town and Blaauwberg Administrations)</b>	<b>GEORGE OFFICE (Eden and Central Karoo)</b>
Department of Environmental Affairs and Development Planning Attention: Directorate: Integrated Environmental Management (Region A2) Private Bag X 9086 Cape Town, 8000  Registry Office 1 <sup>st</sup> 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 <sup>st</sup> 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 <sup>th</sup> 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

## DEPARTMENTAL REFERENCE NUMBER(S)

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

## PROJECT TITLE

UPGRADING OF RIVER FRONT DEVELOPMENTS IN STANFORD

## DETAILS OF THE ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP)

Environmental Assessment Practitioner (EAP):	<b>EnviroAfrica</b> 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(Praxis-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

The EAP has 44 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 16 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 ~18 Basic Assessment Reports and 13 Environmental Impact Reports on studies conducted. During this period the EAP has also compiled ~32 Environmental Management Plans and acted as Environmental Control Officer on ~17 occasions.

# SECTION A: ACTIVITY INFORMATION

## 1. PROJECT DESCRIPTION

(a) Is the project a new development?	YES	NOX
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(b) Provide a detailed description of the development project and associated infrastructure.

There are three development nodes proposed. Development node 1 is located on the left bank of the Kleinrivier in Stanford at the end of King Street and will consist of (i) the replacement of an existing damaged fixed wooden jetty with a similar construction measuring ~2x1.5 metres; and (ii) construction of a new viewing platform to the immediate west of the said jetty. Development node 2 consists of (i) a new ablution facility measuring ~9x9 metres on the upper left bank of the Kleinrivier on the opposite corner of Caledon and Du Toit Streets; (ii) replacement of an existing damaged fixed wooden jetty with a floating jetty measuring ~3x2 metres; (iii) replacement of an existing damaged walkway measuring ~50x1.5 metres to supply access to the new floating jetty; (iv) resurfacing of the existing gravel access road, parking area and slipway on exactly the same footprint measuring ~95x20 metres on the left bank of the Kleinrivier; (v) construction of a bird hide measuring ~3x3 metres on the left bank of the Kleinrivier just beyond the end of Moore Street; and (vi) construction of a new raised wooden walkway measuring ~50x1.5 to replace the stony area located on the bottom left-hand section of the parking areas and around the north-western corner of Erf 380. Development node 3 is located in Bezuidenhout Street where it crosses the man-made Willem Appel dam and will consist of a new raised wooden walkway measuring ~80x2 metres in order to provide a safe crossing for pedestrians. A statement on the feasibility of stocking the Willem Appel Dam with appropriate fish will also be provided (see Locality plans in Appendix A).

(c) List all the activities assessed during the Basic Assessment process:

Government Notice R983 Activity No(s):	Describe the relevant <b>Basic Assessment Activity(ies)</b> in writing as per <b>Listing Notice 1</b> (GN No. R983)	Describe the portion of the development as per the project description that relates to the applicable listed
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		activity
12	The development of (i) canals exceeding 100 square metres in size; (ii) channels exceeding 100 square metres in size; (iii) bridges exceeding 100 square metres in size; (iv) dams, where the dam, including infrastructure and water surface area, exceeds 100 square metres in size; (v) weirs, where the weir, including infrastructure and water surface area, exceeds 100 square metres in size; (vi) bulk storm water outlet structures exceeding 100 square metres in size; (vii) marinas exceeding 100 square metres in size; (viii) jetties exceeding 100 square metres in size; (ix) slipways exceeding 100 square metres in size; (x) buildings exceeding 100 square metres in size; (xi) boardwalks exceeding 100 square metres in size; or (xii) infrastructure or structures with a physical footprint of 100 square metres or more; where such development occurs (a) within a watercourse; (b) in front of a development setback; or (c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse; excluding (aa) the development of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour; (bb) where such development activities are related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies; (cc) activities listed in activity 14 in Listing Notice 2 of 2014 or activity 14 in Listing Notice 3 of 2014, in which case that activity applies; (dd) where such development occurs within an urban area; or (ee) where such development occurs within existing roads or road reserves.	The proposed replacement and upgrading of old infrastructure as described under Section A1(b) will exceed the threshold of 100m <sup>2</sup> and is located in many instances within 32 metres of water courses
17	Development (i) in the sea;(ii) in an estuary; (iii) within the littoral active zone; (iv) in front of a development setback; or (v) if no development setback exists, within a distance of 100 metres inland of the high-water mark of the sea or an estuary, whichever is the greater; in respect of (a) fixed or floating jetties and slipways; (b) tidal pools; (c) embankments; (d) rock revetments or stabilising structures including stabilising walls; (e) buildings of 50 square metres or more; or (f) infrastructure with a development footprint of 50 square metres or more, but excluding (aa) the development of infrastructure and structures within existing ports or harbours that will not increase the development footprint of the port or harbour; (bb) where such development is related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies; (cc) the development of temporary infrastructure or structures where such structures will be removed within 6 weeks of the commencement of development and where indigenous vegetation will not be cleared; or (dd) where such development occurs within an urban area.	The proposed replacement and upgrading of old infrastructure as described under Section A 1(b) will exceed the thresholds mentioned in this activity
19	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 of more than 5 cubic metres from (i) a watercourse; (ii) the seashore; or (iii) 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 but excluding where such infilling, depositing , dredging, excavation, removal or moving (a) will occur behind a development setback; (b) is for maintenance purposes undertaken in accordance with a maintenance management plan; or (c) falls within the ambit of activity 21 in this Notice, in which case that activity applies.	The proposed replacement and upgrading of old infrastructure as described under Section A 1(b) will exceed the thresholds mentioned in this activity
49	The expansion of (i) jetties by more than 100 square metres; (ii) slipways by more than 100 square metres; (iii) buildings by more than 100 square metres; (iv) boardwalks by more than 100 square metres; or (v) infrastructure or structures where the physical footprint is expanded by 100 square metres or more; where such expansion or expansion and related operation occurs (a) within a watercourse; (b) in front of a development setback; or (c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse; excluding (aa) the expansion of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour; (bb) where such expansion activities are related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies; (cc) activities listed in activity 14 in Listing Notice 2 of 2014 or activity 14 in Listing Notice 3 of 2014, in which case that activity applies; (dd) where such expansion occurs within an urban area; or (ee) where such expansion occurs within existing roads or road reserves.	The proposed replacement and upgrading of old infrastructure as described under Section A 1(b) will exceed the thresholds mentioned in this activity
54	The expansion of facilities (i) in the sea; (ii) in an estuary; (iii) within the littoral active zone; (iv) in front of a development setback; or (v) if no development setback exists, within a distance of 100 metres inland of the highwater mark of the sea or an estuary, whichever is the greater; in respect of (a) fixed or floating jetties and slipways; (b) tidal pools; (c) embankments; (d) rock revetments or stabilising structures including	The proposed replacement and upgrading of old infrastructure as described under Section A 1(b) will exceed the thresholds mentioned in this activity

	stabilising walls; (e) buildings where the building is expanded by 50 square metres or more; or (f) infrastructure where the development footprint is expanded by 50 square metres or more, but excluding-(aa) the expansion of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour; or (bb) where such expansion occurs within an urban area.	
67	Phased activities for all activities i. listed in this Notice, which commenced on or after the effective date of this Notice; or ii. similarly listed in any of the previous NEMA notices, which commenced on or after the effective date of such previous NEMA Notices; where any phase of the activity may be below a threshold but where a combination of the phases, including expansions or extensions, will exceed a specified threshold; excluding the following activities listed in this Notice- 17(i)(a-d); 17(ii)(a-d); 17(iii)(a-d); 17(iv)(a-d); 17(v)(a-d); 20; 21; 22; 24(i); 29; 30; 31; 32; 34; 54(i)(a-d); 54(ii)(a-d); 54(iii)(a-d); 54(iv)(a-d); 54(v)(a-d); 55; 61; 62; 64; and 65.	The proposed replacement and upgrading of old infrastructure as described under Section A 1(b) will exceed the thresholds mentioned in this activity
Government Notice R984 Activity No(s):	Describe the relevant <b>Scoping and EIA Activity(ies)</b> in writing as per <b>Listing Notice 2</b> (GN No. R984)	Describe the portion of the development as per the project description that relates to the applicable listed activity
Government Notice R985 Activity No(s):	Describe the relevant <b>Basic Assessment Activity(ies)</b> in writing as per <b>Listing Notice 3</b> (GN No. R985)	Describe the portion of the development as per the project description that relates to the applicable listed activity
14	The development of (i) canals exceeding 10 square metres in size; (ii) channels exceeding 10 square metres in size; (iii) CO bridges exceeding 10 square metres in size; (iv) dams, where the dam, including infrastructure and water surface area exceeds 10 square metres in size; (v) weirs, where the weir, including infrastructure and water surface area exceeds 10 square metres in size; (vi) bulk storm water outlet structures exceeding 10 square metres in size; (vii) marinas exceeding 10 square metres in size; (viii) jetties exceeding 10 square metres in size; (ix) slipways exceeding 10 square metres in size; (x) buildings exceeding 10 square metres in size; (xi) boardwalks exceeding 10 square metres in size; or (xii) infrastructure or structures with a physical footprint of 10 square metres or more; where such development occurs (a) within a watercourse; (b) in front of a development setback; or (c) if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse; excluding the development of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour. In Western Cape: Outside urban areas, in (aa) A protected area identified in terms of NEMPAA, excluding conservancies; (bb) National Protected Area Expansion Strategy 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 listed 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; or (hh) Areas on the estuary side of the development setback line or in an estuarine functional zone where no such setback line has been determined.	The proposed replacement and upgrading of old infrastructure as described under Section A 1(b) will exceed the thresholds mentioned in this activity
23	The expansion of (i) canals where the canal is expanded by 10 square metres or more in size; (ii) channels where the channel is expanded by 10 square metres or more in size; (iii) bridges where the bridge is expanded by 10 square metres or more in size; (iv) dams where the dam is expanded 10 square metres or more in size; (v) weirs where the weir is expanded by 10 square metres or more in size; (vi) bulk storm water outlet structures where the structure is expanded by more than 10 square metres or more in size; (vii) marinas where the marina is expanded by 10 square metres or more in size; (viii) jetties where the jetty is expanded by 10 square metres or more in size; (ix) slipways where the slipway is expanded by 10 square metres or more in size; (x) buildings where the building is expanded by 10 square metres or more in size; (xi) boardwalks where the boardwalk is expanded by 10 square metres or more in size; (xii) infrastructures or structures where the physical footprint is expanded by 10 square metres or more; where such development occurs within (a) within a watercourse; (b) in front of a development setback adopted in the prescribed manner; or (c) if no development setback has been adopted, within 32 metres of a	The proposed replacement and upgrading of old infrastructure as described under Section A 1(b) will exceed the thresholds mentioned in this activity

	watercourse, measured from the edge of a watercourse; excluding the expansion of infrastructure or structures within the existing ports or harbours that will not increase the development footprint of the port or harbour. In Western Cape: (i). Outside urban areas, in: (aa) A protected area identified in terms of NEMPAA, excluding conservancies; (bb) National Protected Area ' Expansion Strategy 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 listed 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; or (hh) Areas on the estuary side of the development setback line or in an estuarine functional zone where no such setback line has been determined.	
26	Phased activities for all activities i. listed in this Notice and as it applies to a specific geographical area, which commenced on or after the effective date of this Notice; or ii. similarly listed in in any of the previous NEMA notices, and as it applies to a specific geographical area, which commenced on or after the effective date of such previous NEMA Notices where any phase of the activity may be below a threshold but where a combination of the phases, including expansions or extensions, will exceed a specified threshold; excluding the following activities listed in this Notice-7; 8; 11; 13; 17; 20; 21 and 24. All the areas as identified for the specific activities listed in this Notice.	The proposed replacement and upgrading of old infrastructure as described under Section A 1(b) will exceed the thresholds mentioned in this activity

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:

GN No. R. 984 Activity No(s):	If permission was granted in terms of Regulation 20, describe the relevant <b>Scoping and EIA Activity(ies)</b> in writing as per <b>Listing Notice 2</b> (GN No. R. 984)	Describe the portion of the development as per the project description that relates to the applicable listed activity.

**Waste management activities** in terms of the NEM: WA (Government Gazette No. 32368):

GN No. 718 - Category A Activity No(s):	Describe the relevant <u>Category A</u> waste management activity in writing.

**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:

GN No. 718 – Category B Activity No(s):	Describe the relevant <u>Category B</u> waste management activity in writing.

**Atmospheric emission activities** in terms of the NEM: AQA (Government Gazette No. 33064):

GN No. 248 Activity No(s):	Describe the relevant atmospheric emission activity in writing.

(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:		
There will be a new ablution block of ~81m <sup>2</sup> constructed on the left bank of the Kleinrivier at development node 2 that will be linked to the recently upgraded municipal sewer network.		
Infrastructure (e.g. roads, power and water supply/ storage)	YESX	NO
Provide brief description:		

See the description under Section A1(b).		
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		
Provide brief description	YES	NOX

Other activities (e.g. water abstraction activities, crop planting activities)	YES	NOX
Provide brief description		

## 2. PHYSICAL SIZE OF THE ACTIVITY

(a) Indicate the size of the property (cadastral unit) on which the activity is to be undertaken. All municipal land has a variety of erf numbers but no areas designated to them.	<b>Size of the property:</b>
	n/am <sup>2</sup>

(b) Indicate the size of the facility (development area) on which the activity is to be undertaken.	<b>Size of the facility:</b>
	n/am <sup>2</sup>

(c) Indicate the physical size (footprint) of the activity together with its associated infrastructure:	<b>Size of the activity:</b>
	Total for all ~415m <sup>2</sup>
	(d) Indicate the physical size (footprint) of the activity: All replacements and upgrades total
	Total for all ~415m <sup>2</sup>
	(e) Indicate the physical size (footprint) of the associated infrastructure: Total development size
Total for all ~415m <sup>2</sup>	

and, for linear activities:

(f) Indicate the length of the activity: See the description under Section A1(b)	<b>Length of the activity:</b>
	M

## 3. SITE ACCESS

(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:

There are formal existing access roads to all the proposed installations and upgrades mentioned under Section A1(b) and this is all located within the urban edge development.

**Please Note:** indicate the position of the proposed access road on the site plan. (See Aerial Photos in Appendix C)

## 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.

Municipal lands in Stanford are often very large areas of "meentgrond" and all the proposed alterations mentioned in Section A1(b) are located on these properties. This is restricted to positions on the left bank of the Kleinrivier in Stanford from around King Street to Moore Street. The pedestrian crossing across the Willem Appel Dam will be located in Bezuidenhout Street.

(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.

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"> <li>• an accurate indication of the project site position as well as the positions of the alternative sites, if any;</li> <li>• road names or numbers of all the major roads as well as the roads that provide access to the site(s)</li> <li>• a north arrow;</li> <li>• a legend;</li> <li>• the prevailing wind direction (during <b>November to April</b> and <b>during May to October</b>); and</li> <li>• 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).</li> </ul>
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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"> <li>• 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.</li> <li>• The property boundaries and numbers of all the properties within 50m of the site must be indicated on the site plan.</li> <li>• 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.</li> <li>• The position of each element of the application as well as any other structures on the site must be indicated on the site plan.</li> <li>• 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.</li> <li>• Servitudes indicating the purpose of the servitude must be indicated on the site plan.</li> <li>• 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"> <li>○ Rivers.</li> <li>○ Flood lines (i.e. 1:10, 1:50, year and 32 meter set back line from the banks of a river/stream).</li> <li>○ Ridges.</li> <li>○ Cultural and historical features.</li> <li>○ Areas with indigenous vegetation (even if it is degraded or infested with alien species).</li> </ul> </li> <li>• Whenever the slope of the site exceeds 1:10, then a contour map of the site must be submitted.</li> </ul>
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(c) For a linear activity, please also provide a description of the route.

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<p>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.</p>	<b>Latitude (S):</b>			<b>Longitude (E):</b>		
	Node 1: 34°	26'	13.33"	Node 1: 19°	27'	24.63"
	Node 2: 34°	26'	12.00"	Node 2: 19°	27'	13.81"
	Node 3: 34°	26'	37.00"	Node 3: 19°	27'	18.34"

(d) or:

For linear activities:	<b>Latitude (S):</b>	<b>Longitude (E):</b>
Starting point		
Middle point		
End point		

**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
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### 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	<b>Open valley</b>	Plain	Undulating plain/low hills	Dune	Sea-front
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(b) Please provide a description of the location in the landscape.

Nodes 1 and 2 are located on the immediate left bank of the Kleinrivier between King and Moore streets. On the southern (left) bank lies the town of Stanford with residential housing starting immediately south of a narrow section of public open space, designated as Erf 645 Stanford. On the northern side of the Kleinrivier (right bank) lies agricultural development. Node 3 is located at the crossing of Bezuidenhout Street where it crosses the man-made Willem Appel Dam.

### 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)	<b>YESX</b>	NO	UNSURE
Seasonally wet soils (often close to water bodies)	<b>YESX</b>	NOX	UNSURE
Unstable rocky slopes or steep slopes with loose soil	YES	<b>NOX</b>	UNSURE
Dispersive soils (soils that dissolve in water)	YES	<b>NOX</b>	UNSURE
Soils with high clay content	YES	<b>NOX</b>	UNSURE
Any other unstable soil or geological feature	YES	<b>NOX</b>	UNSURE
An area sensitive to erosion	YES	<b>NOX</b>	UNSURE
An area adjacent to or above an aquifer.	YES	<b>NOX</b>	UNSURE
An area within 100m of the source of surface water	YES	<b>NOX</b>	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	<b>Other</b> (describe)
Please provide a description.						
The underlying geological formation consists of unconsolidated superficial deposits consisting of conglomerate, limestone, sandstone and high-level gravel.						

### 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	<b>NOX</b>	UNSURE
Non-Perennial River	<b>YESX</b>	NO	UNSURE

Permanent Wetland	YESX	NO	UNSURE
Seasonal Wetland	YES	NOX	UNSURE
Artificial Wetland	YESX	NO	UNSURE
Estuarine / Lagoonal wetland	YESX	NO	UNSURE

(b) Please provide a description.

The Nodes 1 and 2 are located on the left bank and floodplain of the Kleinrivier in Stanford between King and Moore streets. The water table from the river obviously stretches under the near banks of the river as well. The river and floodplain also supports aquatic vegetation on the wet bank and slightly further inland as well. A tidal water level fluctuation may be observed to just below the road bridge across the Kleinrivier at Stanford, depending on the water level in the Kleinrivier estuary located downstream. The floodplain of the Kleinrivier in the vicinity of Nodes 1 and 2 where the proposed upgrade and alterations to infrastructure will take place also floods during vey high rainfall events in the catchment of the Kleinrivier.

## 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](mailto: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)	The 2006 SA vegetation map indicates two vegetation types occurring in the nodal development areas, namely Elim Ferricrete Fynbos and Agulhas Limestone Fynbos. SA Veg Map lists the conservation status as respectively Endangered and Least threatened. Section 52 of the draft NEM:BA lists these vegetation types as respectively Critically endangered (Criterion A1) and Vulnerable (Criterion D1). It must be noted however that the whole area is totally altered by disturbance and is overgrown by mowed kikuyu grass and there is <i>nothing left</i> of the two vegetation types. The fine scale Critical Biodiversity Area Map for the Overberg also does not indicate the said nodal areas in which the developments will be located (see Appendix D). There are some old milkwood trees left on the left bank of the Kleinrivier while the right bank has predominantly <i>Eucalyptus</i> species left.

(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)	20%	The vegetation along the river bank consists mainly of exotic poplar, <i>Eucalyptus</i> and <i>Salix</i> species, as well as <i>Phragmites</i> reeds with a sparse occurrence of natural aquatic and river bank vegetation
Transformed (includes cultivation, dams, urban, plantation, roads, etc)	80%	The area around the Kleinrivier river banks are severely transformed and covered in kikuyu grass and other pioneer alien vegetation, urban development and occurrence of residential houses, conservancy and septic tanks and soak-aways. The areas where the development nodes are located have all been heavily impacted by anthropogenic modifications such as open areas, roads, walkways, the Willem Appel Dam, alien vegetation, kikuyu lawns etc. The majority of the natural vegetation consists of a number of mature milkwood trees on the left bank of the section of the Kleinrivier under discussion.

- I 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) The draft Section 52 lists Elim Ferricrete Fynbos as critically endangered and Agulhas Limestone Fynbos as vulnerable but there is none of this vegetation left (see above under 5)	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	YES	NOX

- (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)

Most of the site is covered in a mixture of exotic trees and overgrown with kikuyu and other pioneer grass patches. There are some very old *Sideroxylon inerme* trees. The alien *Eucalyptus* species that occur mostly on the northern bank of the Kleinrivier may be important breeding habitat for a variety of raptors that occur in the area. There are also extensive *Phragmites* reedbeds that occur in the area within and immediately adjacent to the river course. These reedbeds are prolific further upstream in the Kleinrivier and indicate the freshwater nature of the area and that the sea water from the Kleinrivier lagoon further downstream does not penetrate this far upstream into the system. The prolific reedbeds are also the preferred habitat for a population of Southern Red Bishop birds. The treated effluent from the Stanford WWTW discharges into the Kleinrivier immediately downstream from the town of Stanford, adding to the nutrient loading in the river and possibly also contributing to the biodiversity of the aquatic ecosystem in the sense that it provides a wider range of food source and habitat conditions due to the increased nutrient status and thus greater overall habitat diversity. The SA Vegetation Map 2006 lists the vegetation type along the pipeline route as consisting of Elim Ferricrete Fynbos that carries a conservation status of endangered as well as Agulhas Limestone Fynbos with a conservation status of least threatened. Please note, however, that no natural vegetation except *S. inerme* occurs in the area of nodes 1 and 2. Willem Appel Dam where node 3 is located is also a man-made water body and has a fringe of *Typha capensis* and on the southern bank some milkwood trees where the pipeline route and pump stations will be placed

## 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
<b>Other land uses (describe):</b>	Filled in and compacted areas to create parking and recreational areas.			
	There is some vagrancy along the river and use of the area as a bush toilet and littering.			

- (a) Please provide a description.

The site is located in an area adjacent to the southern side of the Kleinrivier. There are also some newer as well as much older residential homes in the area, located closer or further away from the Kleinrivier. Much of the area has been subjected to some form of agricultural activity in the past. While very small sections of the site may be regarded as untransformed, it must be noted that the vegetation along the river consists mainly of alien trees and shrub while immediately behind this vegetation and in the eastern area along the river, a grass cover of kikuyu and other pioneer grasses occur. This area along the river is also prone to vagrancy and other socially unacceptable activities.

## 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):	Small jetties and walkways, slipways and parking areas from which cruises on the Kleinrivier operate and where the river front is used as a recreational area.			

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

The area where the node 1, 2 & 3 developments will be located lies immediately adjacent to older and newer residences in the town of Stanford. The distance in the closest instance is obviously just a few metres. The town has some historical buildings, a school, some retail shops, a church, light industries, a filling station and sewage treatment plant, etc., all within 500 metres of the proposed nodal developments. Tourism is promoted in the town and there are a number of tourism and hospitality facilities. Further to the south of the town occur informal settlements and a light industrial area. The location of the residential areas in relation to the proposed nodal developments are in some cases immediately adjacent and the overall picture can be seen in the aerial photo in Appendix C. The river frontage where the node 1 & 2 developments will be located has been, and still is, used by the historically disadvantaged community of Stanford as a recreational area.

## 8. SOCIO-ECONOMIC ASPECTS

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

The Stanford community consists of the full complement of social and economical class make-ups, ranging from permanent residents who run businesses in the town, retired permanent inhabitants, people who own holiday homes in the town, through to historically disadvantaged permanent residents who work in the area and inhabit the equivalent of social housing, those who occupy low-cost housing as well as a squatter community residing a little distance out of town. The economic profile of the community ranges from self-reliant retired individuals, through the economic spectrum to the squatter community. There is a large sector of unemployment in the community, mainly consisting of historically disadvantaged individuals.

## 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;
- (c) any development or other activity which will change the character of a site-
  - (i) exceeding 5 000 m<sup>2</sup> 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 m<sup>2</sup> 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:	There are two sections of pipeline of respectively 565 and 1625 metres that will be upgraded along the existing pipeline routes		
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		
Stanford Structure Plan	Overstrand Municipality		

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
Provincial Urban Edge Guideline	DEA&DP
Western Cape Provincial Spatial Development Framework	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 infrastructure is municipal (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"> <li>o the scale of anticipated impacts of the proposed project;</li> <li>o the sensitivity and the degree of controversy of the project; and</li> <li>o the characteristics of the potentially affected parties.</li> </ul> (adhered to fully).
Guideline on Exemption Applications	There were no exemption applications in this 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	<b>YESX</b>	DEVIATED	
(vii) any other party as required by the competent authority;	<b>YESX</b>	DEVIATED	
I placing an advertisement in -			
(i) one* local newspaper; and	<b>YESX</b>	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
Cape Nature
Heritage Western Cape
Breed-Gouritz Catchment Management Agency

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 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:

- o 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 pump stations and sewer sections as mentioned elsewhere in the report, as starting point for identifying potential stakeholders;
- o brainstorming sessions were held with some authorities to further identify key stakeholders who may have an interest in or be affected by the proposal;
- o the proposed nodal upgrades were advertised in the "Hermanus Times " of 4 June 2015, giving details of how to engage in the process, as well as the deadline for comment, etc.;
- o at the same time on-site adverts were fixed at 5 conspicuous places of the sites mentioned in the application;
- o 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;
- o the site adverts, the advertisements in the newspaper and BID gave details of the application, which is subjected to basic assessment procedure and 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.
- o the documents were sent to the municipal councillor of the ward in which the sites are situated;
- o the documents were sent to the municipality which has jurisdiction in the area;
- o the documents were sent to organs of state having jurisdiction in respect of any aspect of the activity;
- o municipalities and other organs of state were notified and given an opportunity to comment in writing;
- o a register of I&APs was opened and all correspondence received was responded to;
- o a draft Basic Assessment Report was made available to initially identified I&APs in the Stanford Library, 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;
- o notification of the availability for comment on the draft of the BAR was made to all initially identified 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 of 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? All activities related to existing municipal infrastructure	YESX	NO	Please explain
2. Will the activity be in line with the following? (a) Provincial Spatial Development Framework (PSDF) The PSDF does not address this activity at this level	YESX	NO	Please explain
(b) Urban edge / Edge of Built environment for the area The land portions are inside the urban edge	YESX	NO	Please explain
(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?). The approval of this application will not compromise the integrity of the existing IDP and SDF	YESX	NO	Please explain
(d) Approved Structure Plan of the Municipality The Structure Plan shows this area as public open space for tourism and recreation.	YESX	NO	Please explain
(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?). n/a	YES	NO	Please explain
(f) Any other Plans (e.g. Guide Plan) n/a	YES	NO	Please explain
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)? This is an upgrade of existing municipal infrastructure and addition of some small new recreational structures	YESX	NO	Please explain
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? This is a proposal to upgrade damaged recreational and tourism infrastructure in order to deliver a municipal service.	YESX	NO	Please explain
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.) This is a proposal to upgrade and renew recreation infrastructure in Stanford to meet societal expectations.	YESX	NO	Please explain
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 <b>Appendix E.</b> ) The services are all existing and some new platforms in the area and are supplied by the municipality.	YESX	NO	Please explain
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 <b>Appendix E.</b> )	YESX	NO	Please explain
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 locations of the jetties, walkways and viewing platforms to be upgraded dictate the sites where the activities have to take place.			
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
The activity will not impact on sensitive natural areas as all the areas where the existing infrastructure is located are already transformed. Culturally the infrastructure has been there for a very long time and the upgrades will improve service delivery.			
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
This is a traditional recreational area for the disadvantaged and other residents of Stanford.			
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 repair and upgrading of existing recreational infrastructure.			
14. Is the development the best practicable environmental option for this land/site?	YESX	NO	Please explain
There is no other development option.			
15. What will the benefits be to society in general and to the local communities?			Please explain
The cumulative positive impact will be to ensure the improved municipal service delivery with regard to the recreational structures in Stanford.			
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 recreational infrastructure*)
  - 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; (*positions and design of recreation infrastructure upgrade along with construction phase considerations and placing people and their needs first*)
  - o the avoidance and minimisation of pollution and degradation of the environment (*ensure timeous upgrade of required recreation infrastructure*).
  - 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/eadb>).

"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:

A large portion of the upgrading will be located on the existing footprints of existing derelict recreational infrastructure. At development Node 1 the old jetty that measured 2X1.5 metres will be replaced on the same footprint with the same new structure. There will be a new viewing platform measuring 3X2 metres. At development Node 2 the existing damaged fixed wooden jetty of 3X2 metres will be replaced by a floating jetty measuring 3X2 metres. The damaged walkway to the jetty will also be replaced measuring 50X1.5 metres. The existing gravel access road, parking area and slipway will be resurfaced on the same footprint. The new developments at Node 2 will consist of a new ablution facility measuring 9X9 metres, a new bird hide measuring 3X3 metres and construction of a new raised wooden walkway measuring 50X1.5 metres to replace an old section of the "wandelpad". At development Node 3 there will be a new raised wooden walkway measuring 80X2 metres to provide safe pedestrian crossing across Willen Appel Dam. The following two reasonable and feasible alternatives were considered with the proposed upgrading and new additions to the proposed infrastructure.

### **Alternative 1(Non-preferred): Replacement and new recreation infrastructure in three nodes in Stanford**

In this Alternative 1 the proposed developments at the different nodes were as follows. Node 1- Replace the damaged jetty on the same footprint with the new viewing platform on the eastern side of the jetty. Node 2-Build new ablution facility next to existing sewage pump station, replace damaged fixed wooden jetty with a fixed wooden jetty, replacement of damaged walkway to jetty, no resurfacing of existing gravel access road, parking area and slipway, construction of bird hide at end of Moore Street and formalisation of the existing stony walkway section across the floodplain at the slipway area. Node 3- Incorporate the pedestrian crossing as part of the edge of the road way across the Willem Appel Dam. The reasons why this Alternative 1 is a non-preferred alternative are for the following reasons:

- o The positioning of the viewing platform at Node 1 to the east of the jetty will necessitate that users will have to walk to get there as there is no nearby parking. The area around the platform may also be waterlogged during high flood events.
- o A fixed wooden jetty at Node 2 will mean that it may become damaged and unusable during periods of high flow in the Kleinrivier.
- o No resurfacing of the access road to the parking area, the parking area itself and the slipway will mean that the present rough conditions of the infrastructure will prevail.
- o Formalising the stony walkway to link sections of the "wandelpad" inundated during high flow in the Kleinrivier will remain a danger for the infirm using the "wandelpad" due to the rough surface that stone presents.
- o Incorporating the crossing on the edge of the road still maintains the danger that pedestrians and boisterous children can end up on the road in front of traffic if not careful.

For these reasons another more expensive alternative was investigated in order to overcome the shortcomings of the non-preferred alternative.

**Alternative 2(Preferred): Upgrade and new recreation infrastructure in three nodes in Stanford**

In this Alternative 2 the proposed developments at the different nodes were as follows. Node 1- Replace the damaged jetty on the same footprint with the new viewing platform on the western side of the jetty. Node2-Build new ablution facility next to existing sewage pump station, replace damaged fixed wooden jetty with a floating wooden jetty, replacement of damaged walkway to jetty, resurface the existing gravel access road, parking area and slipway in order to repair and smooth the surfaces, construction of bird hide at end of Moore Street and replace the existing stony walkway section across the floodplain at the slipway area with a new raised wooden walkway of 50X1.5 metres. Node 3-Construct a new wooden walkway to serve as pedestrian crossing across Willem Appel Dam that will be placed separately to the west of the existing road crossing. The reasons why this Alternative 2 is the preferred alternative are for the following reasons:

- o The positioning of the viewing platform at Node 1 to the west of the jetty will not necessitate that users will have to walk to get there as there is a nearby parking area. Access can also be made possible during flood events
- o A floating wooden jetty at Node 2 will mean that it can rise and fall with changing water levels in the river and remain unusable during periods of high flow in the Kleinrivier.
- o Resurfacing of the access road to the parking area, the parking area itself and the slipway will mean that the present rough conditions and stagnant water holes can be removed and the infrastructure be upgraded on the same footprint.
- o Replacement of the stony walkway with a raised wooden walkway to link sections of the "wandelpad" inundated during high flow in the Kleinrivier will remove the danger for the infirm using the "wandelpad" due to the rough surface that stone presents.
- o Constructing a separate pedestrian crossing across Willem Appel dam will remove the danger that pedestrians and boisterous children can end up on the road in front of traffic.

For these reasons the more expensive Alternative 2 was considered the preferred alternative investigated in that it overcomes the shortcomings of the non-preferred alternative 1.

(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:

This area of the Kleinrivier in Stanford is zoned public open space with the explicit purpose of allowing recreational activities to take place here in this area.

(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:

None

(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):

The option where the *status quo* is maintained would result in a situation where the old damaged wooden jetties, walkways and platforms that has become dysfunctional will just deteriorate further. This will result in the inability of tourist to gain easy access to the cruise boat that operates on this upper section of the Kleinrivier. Without the replacement and upgrading of the wooden walkways it will create difficulty for users of the "wandelpad" section on part of the Kleinrivier floodplain during high flows, as well as decreased safety for historically disadvantaged inhabitants of Stanford to gain safe access across Willem Appel dam on the existing road bridge. Without the slipway being repaired the boating access to the Kleinrivier will remain difficult and the parking area for vehicles and trailers will also remain full of holes and minor obstacles such as rocks, etc. Without the new proposed viewing platform and bird hide at respectively King and Moore streets the experience of the tranquility and sense of place of the Kleinrivier section at Stanford will also be reduced. The provision of the new ablution block is necessary as without it people use the dense bush on the river front as there are no other ablution facilities close by. Thus the no-go alternative is not an alternative to be entertained as it will severely diminish the recreation experience in Stanford.

(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.

**Non-preferred Alternative 1:** In this Alternative 1 the proposed developments at the different nodes were as follows. Node 1- Replace the damaged jetty on the same footprint with the new viewing platform on the eastern side of the jetty. Node 2- Build new ablution facility next to existing sewage pump station, replace damaged fixed wooden jetty with a fixed wooden jetty, replacement of damaged walkway to jetty, no resurfacing of existing gravel access road, parking area and slipway, construction of bird hide at end of Moore Street and formalisation of the existing stony walkway section across the floodplain at the slipway area. Node 3- Incorporate the pedestrian crossing as part of the edge of the road way across the Willem Appel Dam. The reasons why this Alternative 1 is a non-preferred alternative are for the following reasons:

- The positioning of the viewing platform at Node 1 to the east of the jetty will necessitate that users will have to walk to get there as there is no nearby parking. The area around the platform may also be waterlogged during high flood events.
- A fixed wooden jetty at Node 2 will mean that it may become damaged and unusable during periods of high flow in the Kleinrivier.
- No resurfacing of the access road to the parking area, the parking area itself and the slipway will mean that the present rough conditions of the infrastructure will prevail.
- Formalising the stony walkway to link sections of the "wandelpad" inundated during high flow in the Kleinrivier will remain a danger for the infirm using the "wandelpad" due to the rough surface that stone presents.
- Incorporating the crossing on the edge of the road still maintains the danger that pedestrians and boisterous children can end up on the road in front of traffic if not careful.

For these reasons the more expensive alternative 2 was considered as the preferred alternative.

**Preferred Alternative 2:** In this Alternative 2 the proposed developments at the different nodes were as follows. Node 1- Replace the damaged jetty on the same footprint with the new viewing platform on the western side of the jetty. Node 2- Build new ablution facility next to existing sewage pump station, replace damaged fixed wooden jetty with a floating wooden jetty, replacement of damaged walkway to jetty, resurface the existing gravel access road, parking area and slipway in order to repair and smooth the surfaces, construction of bird hide at end of Moore Street and replace the existing stony walkway section across the floodplain at the slipway area with a new raised wooden walkway of 50X1.5 metres. Node 3- Construct a new wooden walkway to serve as pedestrian crossing across Willem Appel Dam that will be placed separately to the west of the existing road crossing. The reasons why this Alternative 2 is the preferred alternative are for the following reasons:

- The positioning of the viewing platform at Node 1 to the west of the jetty will not necessitate that users will have to walk to get there as there is a nearby parking area. Access can also be made possible during flood events
- A floating wooden jetty at Node 2 will mean that it can rise and fall with changing water levels in the river and remain unusable during periods of high flow in the Kleinrivier.
- Resurfacing of the access road to the parking area, the parking area itself and the slipway will mean that the present rough conditions and stagnant water holes can be removed and the infrastructure be upgraded on the same footprint.
- Replacement of the stony walkway with a raised wooden walkway to link sections of the "wandelpad" inundated during high flow in the Kleinrivier will remove the danger for the infirm using the "wandelpad" due to the rough surface that stone presents.
- Constructing a separate pedestrian crossing across Willem Appel dam will remove the danger that pedestrians and boisterous children can end up on the road in front of traffic.

For these reasons the more expensive Alternative 2 was considered the preferred alternative investigated in that it overcomes the shortcomings of the non-preferred alternative 1.

**No-Go Alternative:** The option where the *status quo* is maintained would result in a situation where the old damaged wooden jetties, walkways and platforms that has become dysfunctional will just deteriorate further. This will result in the inability of tourist to gain easy access to the cruise boat that operates on this upper section of the Kleinrivier. Without the replacement and upgrading of the wooden walkways it will create difficulty for users of the "wandelpad" section on part of the Kleinrivier floodplain during high flows, as well as decreased safety for historically disadvantaged inhabitants of Stanford to gain safe access across Willem Appel dam on the existing road bridge. Without the slipway being repaired the boating access to the Kleinrivier will remain difficult and the parking area for vehicles and trailers will also remain full of holes and minor obstacles such as rocks, etc. Without the new proposed viewing platform and bird hide at respectively King and Moore streets the experience of the tranquility and sense of place of the Kleinrivier section at Stanford will also be reduced. The provision of the new ablution block is necessary as without it people use the dense bush on the river front as there are no other ablution facilities close by. Thus the no-go alternative is not an alternative to be entertained as it will severely diminish the recreation experience in Stanford.

## 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 preferred alternative 2 will have a very small impact on geographical and physical aspects as the total transformation of the proposed new footprints will only be ~330m<sup>2</sup> of mainly wooden structures on already man-made changes to the land

(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:		
There are no biological aspects that will be impacted.		
Will the development have (an impact) on terrestrial vegetation, or aquatic ecosystems ( wetlands, estuaries or the coastline)?	YES	NOX
If yes, please describe:		
There is no natural vegetation left on any of the sites or footprints where the upgrades will take place in the three nodes.		
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?	YES	NOX
If yes, please describe:		
Please describe the manner in which any other biological aspects will be impacted:		
There are no other biological aspects that will be impacted		

(c) Socio-Economic aspects:

What is the expected capital value of the activity on completion?	~R350000-00	
What is the expected yearly income or contribution to the economy that will be generated by or as a result of the activity?	Nil	
Will the activity contribute to service infrastructure?	YESX	NO
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):		
This is a very small upgrade and 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:		
There will be improved service delivery with regard to the recreation provision by the municipality in the public open space area next to the Kleinrivier		

(d) Cultural and historic aspects:

The traditional recreational area infrastructure of the historically disadvantaged communities of Stanford will be improved.

## 2. WASTE AND EMISSIONS

(a) Waste (including effluent) management

Will the activity produce waste (including rubble) during the construction 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?	~10M <sup>3</sup>	
There will be excavated soil from the areas where the upgrades and new infrastructure will be placed in the three nodes. This material can be used in other areas where clean soil fill is required in the municipal area		
Will the activity produce waste during its operational 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.	0/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?		
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	NO
Will the activity produce waste that will be treated and/or disposed of at another facility other than into a municipal waste stream?	YES	<b>NOX</b>
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	<b>NOX</b>
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	<b>The activity will not use water</b>
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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 <sup>3</sup>
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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	<b>NOX</b>
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:		
Only the ablution block will use municipal water and this will be disposed of in the existing sewer infrastructure. Low flow shower heads and push type taps may be used on the wash basins.		

### 4. POWER SUPPLY

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

The activity will be linked to the Eskom power supplied to the Overstrand Municipality

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 of the proposed upgrades will use energy.

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
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## 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 preferred alternative 2 will have a very small impact on geographical and physical aspects as the total transformation of the proposed new footprints will only be ~330m <sup>2</sup> of mainly wooden structures on already man-made changes to the land in the three nodes
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: Low 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: Medium A2: High
Proposed mitigation:	Implement EMP to respect "no-go" areas during upgrades of the recreation infrastructure and walkways. Keep cleared areas to the minimum and appoint Environmental Control Officer to oversee implementation of EMP.
Cumulative impact post mitigation:	NG: N/a A1: Low A2: Low
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	NG: N/a A1: Low A2: Low

Potential impact on biological aspects:	
Nature of impact:	None
Duration of impact:	n/a
Extent 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

<b>Potential impacts on socio-economic aspects:</b>	
Nature of impact:	Add small construction opportunity to the local economy
Duration of impact	NG: n/a A1: Temporary A2: Temporary
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: Low
Degree to which the impact may cause irreplaceable loss of resources:	NG: Low 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 EMP to respect "no-go" areas during upgrades and allocate tenders or job opportunities on a "Botrivier first" principle.
Cumulative impact post mitigation:	NG: N/a A1: Low A2: Low
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)	NG: N/a A1: Low A2: Low

<b>Potential impacts on cultural-historical aspects:</b>	
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

<b>Potential noise impacts:</b>	
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(-)

<b>Potential visual impacts:</b>		
Nature of impact:		The excavations for the upgrades will be very visible during the construction phase but will be very localised and short term and in keeping with the aesthetic character of managed construction sites locally.
Extent of impact:		NG: None A1: Small A2: Small
Duration of impact		NG: None A1: Temporary A2: Temporary
Probability of occurrence:		NG: None A1: 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.

<b>Potential impacts on the geographical and physical aspects:</b>		
Nature of impact:		The preferred alternative 2 will have a very small impact on geographical and physical aspects as the total transformation of the proposed new footprints will only be ~330m <sup>2</sup> of mainly wooden structures on already man-made changes to the land in the three nodes.
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: Low 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: Medium A2: High
Proposed mitigation:		Expand the present cleaning and municipal maintenance programme to include these upgraded and new areas.
Cumulative impact post mitigation:		NG: N/a A1: Low A2: Low
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)		NG: N/a A1: Low A2: Low

<b>Potential impact biological aspects:</b>		
Nature of impact:		None
Duration of impact:		n/a
Extent 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

<b>Potential impacts on the socio-economic aspects:</b>		
Nature of impact:		The upgrades and new additions will enhance the recreation use of the section of the Kleinrivier that runs through Stanford. It will also improve service delivery to the affected communities which will have a positive socio-economic impact
Duration of impact		NG: n/a 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: Low
Degree to which the impact may cause irreplaceable loss of resources:		NG: Low 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:		Expand the present cleaning and municipal maintenance programme to include these upgraded and new areas.
Cumulative impact post mitigation:		NG: N/a A1: Low A2: Low
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)		NG: N/a A1: Low A2: Low

<b>Potential impacts on the cultural-historical aspects:</b>		
Nature of impact:		Historically this section of the Kleinrivier was and remains the recreation area for the historically disadvantaged community in Stanford
Extent of impact:		NG: n/a A1: Long term A2: Long term
Duration 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: Low
Degree to which the impact may cause irreplaceable loss of resources:		NG: Low 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:		Expand the present cleaning and municipal maintenance programme to include these upgraded and new areas.
Cumulative impact post mitigation:		NG: N/a A1: Low A2: Low
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)		NG: N/a A1: Low A2: Low

<b>Potential noise impacts:</b>		
Nature of impact:		The only noise during the operational phase will be from the people that use the recreation facilities and this will be in keeping with the normal noise associated with the use of such facilities
Extent of impact:		NG: n/a A1: Long term A2: Long term
Duration 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: Low
Degree to which the impact may cause irreplaceable loss of resources:		NG: Low A1: Low A2: Low
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: Low A2: Low
Degree to which the impact can be mitigated:		NG: n/a A1: Medium A2: Medium
Proposed mitigation:		Apply municipal by-laws regarding noise and drinking in public diligently
Cumulative impact post mitigation:		NG: N/a A1: Low A2: Low
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)		NG: N/a A1: Low A2: Low

<b>Potential visual impacts:</b>		
Nature of impact:		The only visual aspects will be that of the structures that will be small and in keeping with the current visual character of these areas in Stanford.
Extent of impact:		NG: n/a A1: Long term A2: Long term
Duration 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: Low
Degree to which the impact may cause irreplaceable loss of resources:		NG: Low 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: Medium A2: Medium
Proposed mitigation:		Expand the present cleaning and municipal maintenance programme to include these upgraded and new areas.
Cumulative impact post mitigation:		NG: N/a A1: Low A2: Low
Significance rating of impact after mitigation (Low, Medium, Medium-High, High, or Very-High)		NG: N/a A1: Low A2: 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**

<b>Potential impacts on the geographical and physical aspects:</b>		
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

<b>Potential impact biological aspects:</b>	
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

<b>Potential impacts on the socio-economic aspects:</b>	
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

<b>Potential impacts on the cultural-historical aspects:</b>	
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

<b>Potential noise impacts:</b>	
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

<b>Potential visual impacts:</b>	
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 as there is ample information about construction and upgrading of these recreation development nodes. These are also very small and minor works.
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## 8. IMPACT SUMMARY

Please provide a summary of all the above impacts.

The proposed replacements and upgrades were assessed by means of the basic impact assessment procedure. The only possible alternatives are the two identified under alternatives in the BAR. These alternatives are all site alternatives being the placement of certain structures and walkways. The upgrades are in three nodes spread over Stanford and the new additions altogether constitute only ~300m<sup>2</sup>. These are all located on already disturbed land and there were no biological that were identified. It was also found that there were very minor geographical, visual, noise, socio-economical and cultural impacts associated with the proposed nodal developments. The visual impacts will be in keeping with the visual character of the surrounding residential and public open space areas.

The option where the *status quo* is maintained would result in a situation where the necessary recreation benefits that have been lost over the years with the demise of infrastructure such as jetties and walkways will not be re-instated and further degradation will be at the order of the day. It was found that there would be very limited construction noise but this can be adequately managed by implementation of the EMP and that the visual impact would be similar to what was there before. The new walkway over the Willem Appel dam that will separate pedestrians from the road will enhance the safety of the pedestrian crossing.

## 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 service delivery and 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.

## SECTION G: ASSESSMENT METHODOLOGIES AND CRITERIA, GAPS IN KNOWLEDGE, UNDERLYING 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:	<b>YESX</b>	NO
Please provide reasons for your opinion		
This is an application to remediate and upgrade the recreation potential of the section of the Kleinrivier that flows through Stanford in order for the Overstrand Municipality to ensure good service delivery. The impact assessment conducted found that there were no negative impacts that could not be adequately mitigated by implementation of an EMP. There is no natural vegetation on any of the sites, the upgrades will all be done at existing locations of infrastructure with very small extensions to the infrastructure.		
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.		
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.		
Five years 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)	✓

## 8. DECLARATIONS

### 8.1 THE APPLICANT

**Note:** Duplicate this section where there is more than one applicant.

I,.....P Ferreira....., in my personal capacity or duly authorized thereto hereby declare/affirm all the information submitted or to be submitted as part of the application is true and correct, and that I:

- am fully aware of my responsibilities in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) ("NEMA"), the Environmental Impact Assessment Regulations ("EIA Regulations") in terms of NEMA (Government Notice No. R. 982 refers) and any relevant specific environmental management act and that failure to comply with these requirements may constitute an offence in terms of relevant environmental legislation;
- appointed the environmental assessment practitioner, where applicable, which meets all the requirements in terms of regulation 13 of GN No. R 982 to act as independent environmental assessment practitioner for this application;
- will provide the environmental assessment practitioner and specialist, where applicable, 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 NEMA EIA Regulations, 2014 and other 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 applicable management and mitigation measures;
- am responsible for complying with conditions that may be attached to any decision(s) issued by the competent authority;
- will ensure that the environmental assessment practitioner is competent to comply with the requirements of NEMA EIA Regulations, 2014 other environmental legislation;
- hereby indemnify, the government of the Republic, the competent authority and all its officers, agents and employees, from any liability arising out of the content of any report, any procedure or any action for which the applicant or environmental assessment practitioner is responsible in terms of the NEMA EIA Regulations, 2014 and any specific environmental management act; and
- will not hold the competent authority responsible for any costs that may be incurred by the applicant in proceeding with an activity prior to an appeal being decided in terms of the NEMA Regulations, 2014.

**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 (Stanford Administration)

Name of company:

30.04.2015

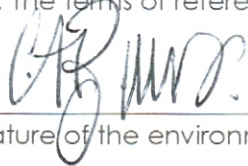
Date:

**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.

**Note:** The terms of reference must be attached.



Signature of the environmental assessment practitioner:

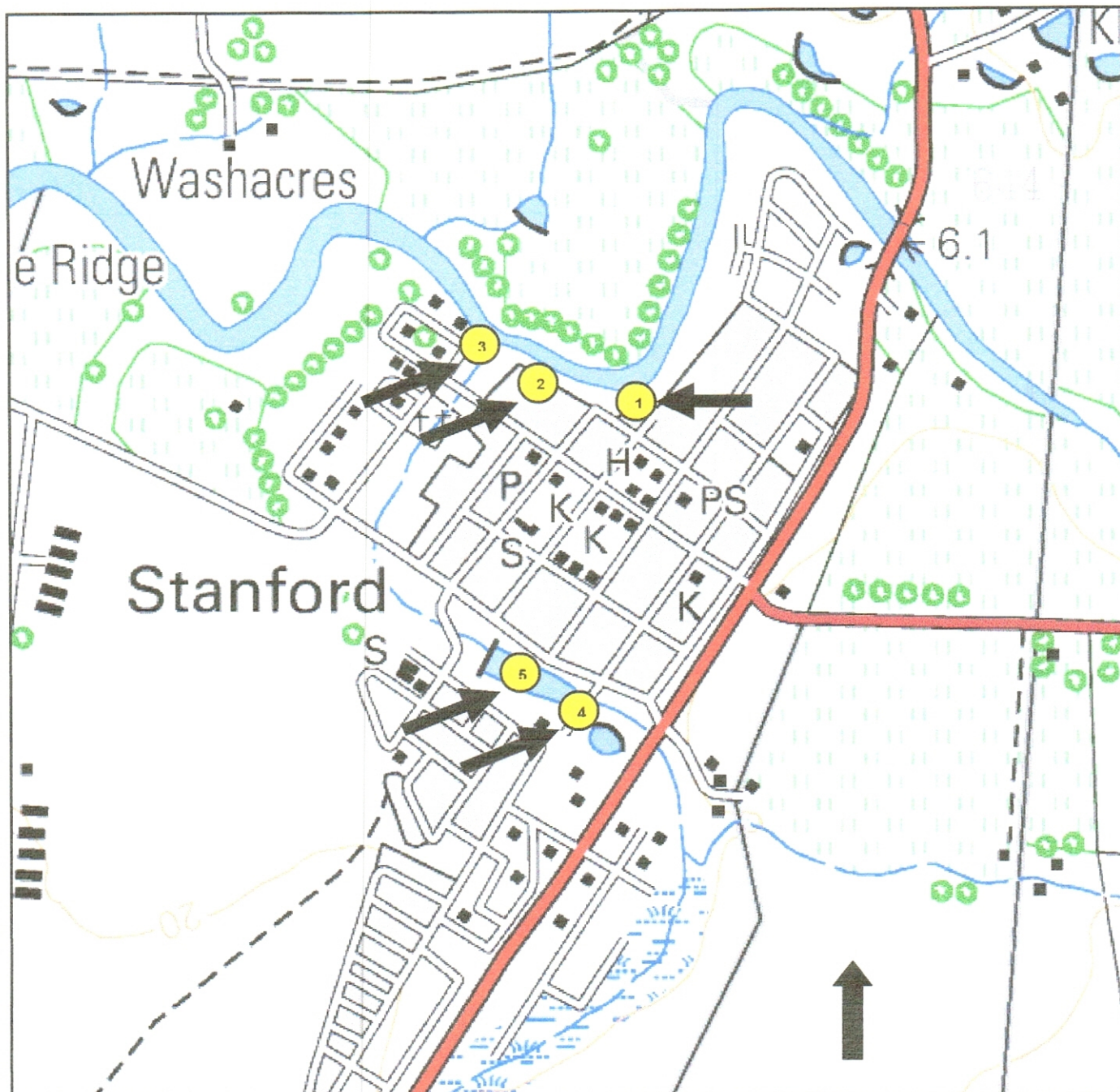
**EnviroAfrica Overberg** Environmental Planning and Impact Assessment Consultants

Name of company:

Date: 2016-04-30

*APPENDIX A*

*LOCALITY MAP*



**FIGURE 1** at scale of 1:20000 (3419AD Stanford) showing the locations of the sites (yellow dots) where the upgrades and new developments will be done on the left bank of the Kleinrivier and at the crossing of Bezuidenhout Street in Stanford. Prevailing wind directions are southeast (Oct-Mar) and northwest (Apr-Sep).

**Dot 1** indicates the location where the damaged wooden jetty will be replaced with a similar structure measuring 2x1.5 metres and where a new wooden viewing platform of 3x2 metres will be placed. **Dot 2** indicates the general location where the new ablution facility of 9x9 metres will be placed as well as replacement of a damaged fixed wooden jetty with a floating jetty 3x2 metres; replacement of a damaged walkway of 50x1.5 metres to the new floating jetty; resurfacing of the existing gravel access road, parking area and slipway and the construction of a new raised wooden walkway around the corner of Erf 380 to create continuity on the existing “wandelpad”. **Dot 3** indicates the location of the new bird hide measuring 3x3 metres. **Dot 4** indicates the location of a new raised wooden walkway of 80x2 metres. **Dot 5** indicates the position of the dam to be investigated for the feasibility of stocking it with appropriate fish.

***APPENDIX B***

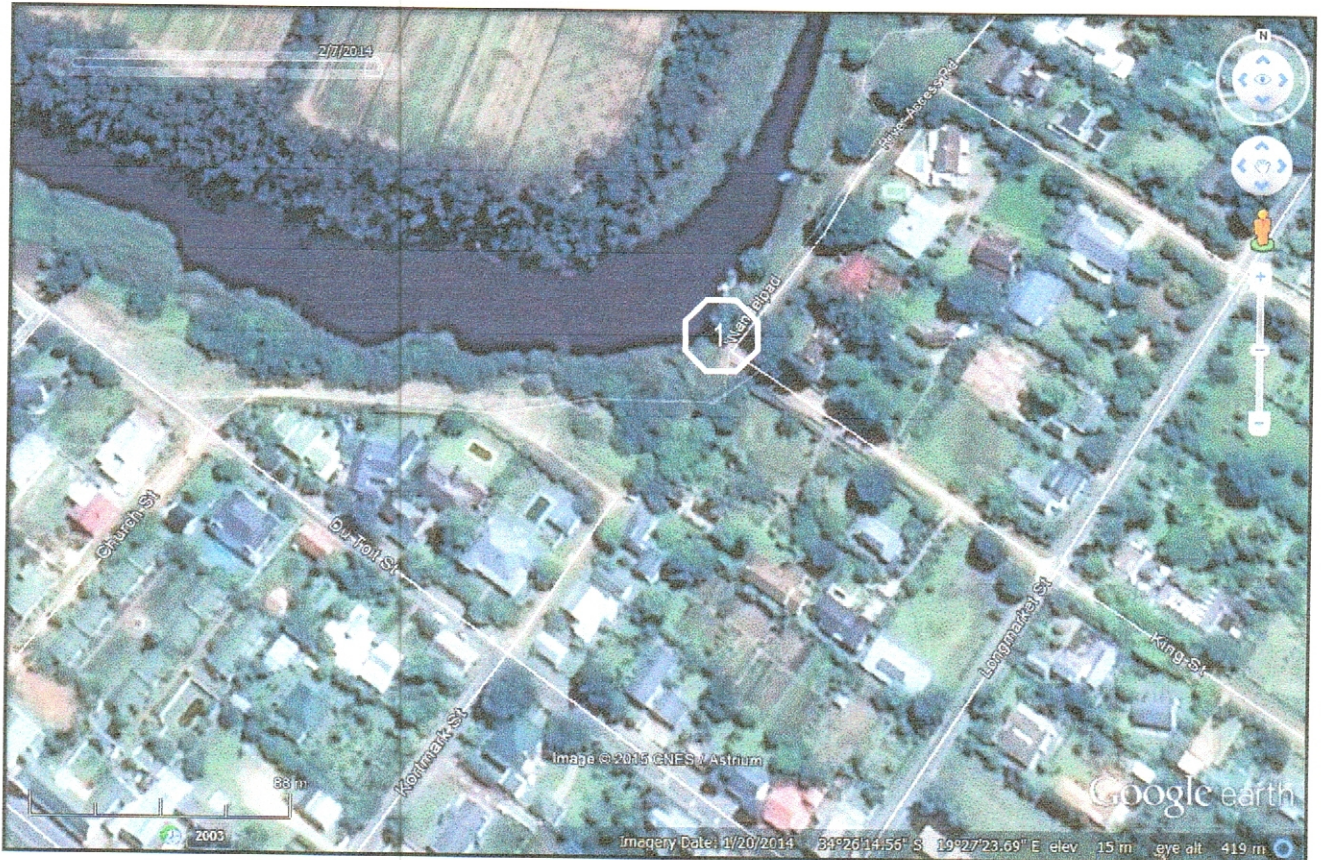
***SITE PLANS***

*APPENDIX C*

*PHOTOGRAPHS*



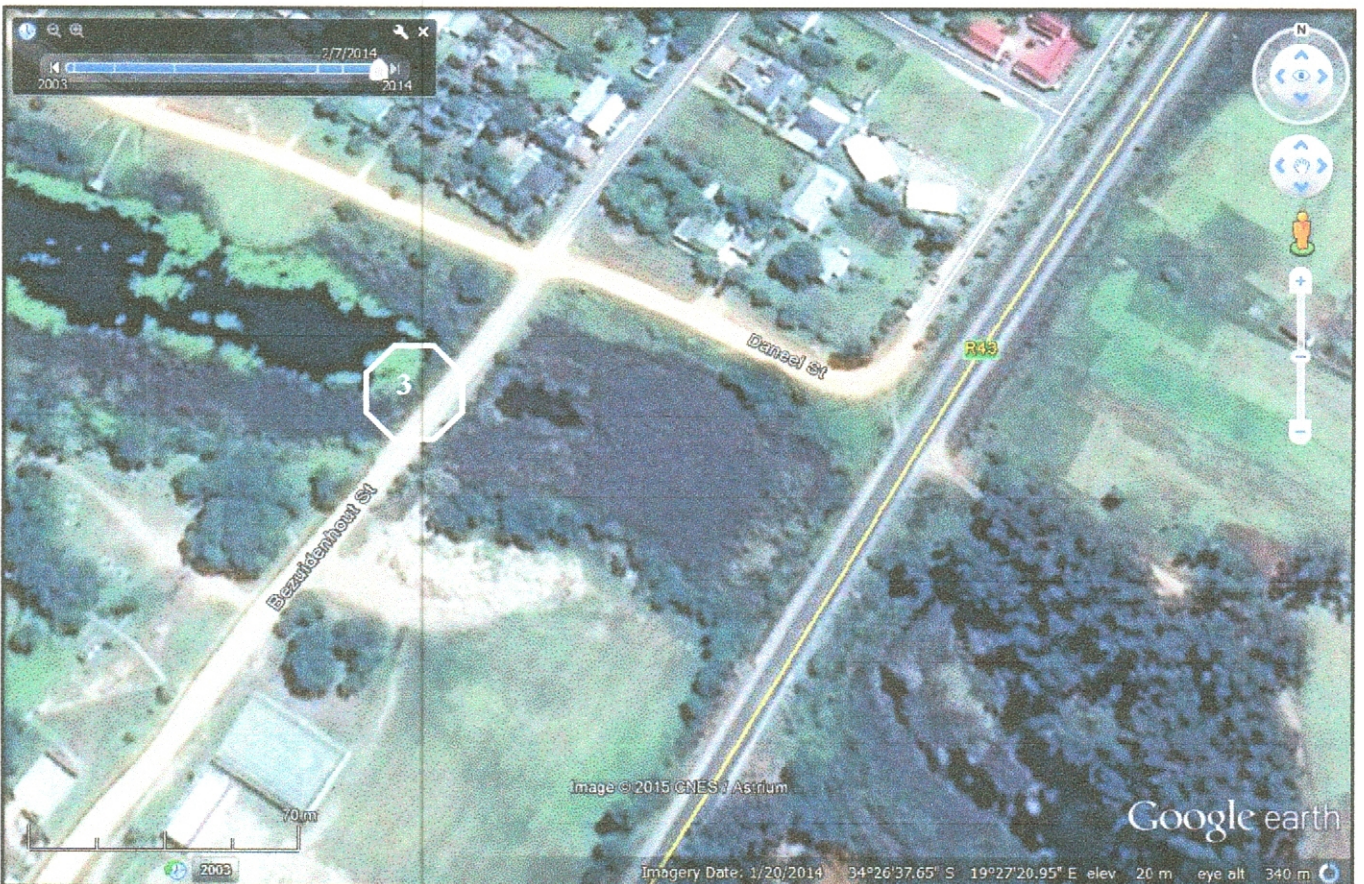
**AERIAL PHOTO** showing the locations of the three proposed development nodes that will be affected as described in the Background Information Document. Prevailing wind is southeast (Oct-Mar) and northwest (Apr-Sep).



**AERIAL PHOTO** showing the location of Node 1 where the jetty and viewing platform will be.



**AERIAL PHOTO** showing the location(s) of Node 2 where the abluent block, jetty, two walkways, resurfacing of access road slipway and parking area and bird hide will be.



**AERIAL PHOTO** showing the location of Node 3 where the proposed wooden walkway will be located across Willem Appel Dam

*APPENDIX D*

*BIODIVERSITY OVERLAY MAP*

*(NONE)*

## Emergency numbers

- 24 Hour Municipal / Traffic / Law Enforcement emergency: ☎ 028 313 8000 / 8111
- Fire brigade: ☎ 028 312 2400
- Police: ☎ 10111
- Hermanus SAPS: ☎ 028 313 5300
- Kleinmond SAPS: ☎ 028 271 8200
- Gansbaai SAPS: ☎ 028 384 0201
- Stanford SAPS: ☎ 028 341 0601
- Metro Ambulance ☎ 10177
- EMR Private Ambulance ☎ 082 468 9844
- Hermanus Animal Welfare Society: ☎ 028 312 1281
- NSRI: ☎ 028 312 3180

### PUBLIC PARTICIPATION PROCESS

Ref No: 15/06/201; PROPOSED WALKWAYS, JETTIES, VIEWING PLATFORM AND BIRDHIDE AT VARIOUS LOCATIONS IN STANFORD.

**Applicant:** Overstrand Municipality  
Notice is hereby given of a public participation process in terms of the Environmental Assessment Act (No. 25 of 2014) (EMA) and the Environmental Assessment Regulations (No. 195 of 2014) (EARs) of 4 December 2014, promulgated under NEMA Act No. 107 of 1998 as amended, to carry out the following activities:

**Licensed Activities:** Government Notice R983 & 985  
Listed activities applied for: GN983/12, 17, 19, 49, 54A&7 and GN985/14, 23&28. The proposed replacement, upgrades and new structures in Stanford will include the above activities listed in terms of the NEMA EIA Regulations. *EnviroAfrica Overberg* has been appointed to undertake the Basic Assessment Report process for the proposed project.

**Project Location & Description:** There are three development nodes proposed. Development node 1 is located on the left bank of the Kleinrivier in Stanford at the end of King Street and will consist of (i) the replacement of an existing damaged fixed wooden jetty with a similar construction measuring 2x1.5 metres; and (ii) construction of a new viewing platform on the immediate west of the said jetty. Development node 2 consists of (i) a new abutment facility measuring 9x8 metres on the upper left bank of the Kleinrivier on the opposite corner of Caledon and Du Toit Streets; (ii) replacement of an existing damaged fixed wooden jetty with a floating jetty measuring 3x2 metres; (iii) replacement of an existing damaged walkway measuring ~50x1.5 metres to supply access to the new floating jetty; (iv) resurfacing of the existing gravel access road, parking area and slipway on exactly the same footprint measuring ~40x20 metres on the left bank of the Kleinrivier; (v) construction of bird hide measuring 3x3 metres on the left bank of the Kleinrivier just beyond the end of Moore Street; and (vi) construction of a new raised wooden walkway measuring ~50x1.5 to replace the stony area located on the bottom left-hand section of the parking area and around the north-western corner of Erf 380. Development node 3 is located in Bezuidenhout Street where it crosses the man-made Willem Appel dam and will consist of a new raised wooden walkway measuring ~40x2 metres in order to provide a safe crossing for pedestrians.

**Registration as Interested and Affected Party and Access to Information:**  
You may register as an interested and affected party (I&AP), if you wish, in order to raise any environmental issues in writing that need to be taken into consideration during the assessment process. To register as an I&AP, please submit your name, postal contact information, telephone and fax number and issues you wish to raise now, disclosing in detail any direct business, financial, personal or other interest in the approval or refusal of the application, quoting Ref No 15/06/201. In writing to *EnviroAfrica (Stanford Development)*, P.O. Box 4, Orrus 7201 or Fax: 0865132141 by 7 July 2015. An information meeting will be held from 18:00 on 11 June 2015 in the Stanford Community Hall. A background information document is available upon request and a copy of the draft Basic Assessment Report will be available in the Stanford Library for information from 9 June 2015.

**Consultant:** *EnviroAfrica Overberg*, P.O. Box 4, Orrus 7201 Fax: 086 513 2141 / Cell: 0828050190

## Kleindogter kan begrawe word

JANINE VAN DER BIJT-REETHUIS

Claudette Theunissen (22) kan uiteindelik, ná meer as 'n maand in 'n lykshuis, begrawe word.

Die *Hermanus Times* het verlede week berig ("Vrou in lykshuis, begrafnis te duur vir ouma"), dat Theunissen, wat ná 'n kort siekbed as staatspasient dood is, nie begrawe kon word alvorens R6 000 betaal word aan Nashca's Begrafnisdienste nie.

Martina Abrahams (75), Theunissen se oma, kon nie die bedrag betaal nie. Haar suster, Connie Arendse het van deur tot deur geloop om geld in te samel sodat Theunissen met waardigheid begrawe kon word.

Sy het verlede week reeds R2 300 ingesamel en aan Nashca's begrafnisdienste oortel.

Ná die artikel verskyn het, het verskeie mense donasies gemaak en 'n verdere R2 000 is ingesamel.

Intussen het Hawston raadslid Mercia Andrews van die hartseer storie gehoor en met EL-AL Begrafnisdienste gesels.

Hulle het toe aangebied om die begrafnisdiens teen R2 500 te hou wat die gat, 'n kis en diens insluit.

EL-AL Begrafnisdienste het Dinsdagoggend die liggaam by Nashca's gaan haal. Nashca's vra die familie R1 000 vir kostes aangegaan sedert 1 Mei.

Die familie het dus R1 900 terug ontvang van die R2 300 wat hul reeds betaal het.

Die R1 300 en die donasies wat ontvang is, sal sorg dat Theunissen uiteindelik Saterdag begrawe kan word.



**PADWERKE:** Volgens die Overberg Distriksmunisipaliteit sal die opgraderingswerk aan die ou grondpad tussen Bredasdorp en Uitenhage in Junie voltooi wees. Die 20 km teerpad tussen Boordkloofdorsbas en Elm is reeds voltooi. Die laaste fase van die projek strek oor ongeveer 30 km van Afdelingspad 1205, vanaf die Uitenhage-oorbrug tot in Elm. Junie maand is gereserveer vir die aanbring van padverfmerke, padlakens en afrandings aan die pad-reserwe (die gedeeltes tussen die teerwerk en die draadswaai). Die foto toon die samestelling van die teer-terrein wanneer bitumen gespuut en klipsterwe gestrooi word met die aanbring van 'n Koupepe seël.

# Municipal budget approved

The Overstrand 2015-'16 municipal budget was approved at a council meeting on 28 May.

In her speech, Mayor Nicolette Botha-Guthrie emphasised the community involvement to ensure a "people-led" government.

"We are still in a difficult economic climate, with indications that the year ahead will not bring about any improvement. We are also painfully aware that our pensioners and people whose only form of income is the interest on their life savings, cannot afford sharp increases of municipal rates and tariffs.

"The affordability of tariff increases are thus of utmost importance to the municipality and the level of services versus the associated cost is a constant consideration."

**Household bills**  
The overall impact of the tariff increases on household bills have been kept below 6,3%. The increase for indigent households is 2,6%.

This excludes electricity where NERSA had given Eskom the right to increase their rates in excess of inflation.

**Water tariff structures**  
The 6 k l free water per 30-day period has since 2014 only been given to residents who are registered for the indigent grant. The second level of phasing in the increase in the 0-6 k l category to recover the cost of the production of water was postponed in 2014-'15.

This has now been implemented, representing an 11,5% increase applicable to the consumption of water between 0-6 kl per month.

**Sundry fees**  
The guideline given for sundry fees, for example building plan approvals, will be limited to a 10% increase.

**Cutting costs**  
Municipal cost-containing measures include:

■ The 23 posts abolished from the organisational structure; only one Mayo member having been appointed following the retirement of two Mayo members last year.

■ All remuneration increases have been budgeted for at 6,1%, pending the outcome of salary negotiations and determinations.

**Asset renewal and infrastructure**  
Botha-Guthrie noted that budget appropriations for asset renewal and maintenance of existing asset infrastructure remain a challenge.

Despite this, the following measures have been approved:

■ All facilities and requirements for the Municipal Court are in place.

■ Rebates for property rates have been increased.

■ Parking fees at Overstrand beaches have been abolished.

■ Cemetery fees have not been increased.

**The budget in figures**  
The total operating revenue has grown by 10,5% to R895 million for the 2015-'16 financial year when compared to the 2014-'15 Adjustment Budget. For the two outer years, operational revenue will increase by 8,7 and 5,7% respectively.

The higher increase for 2015-'16 is due to increased grant funding.

Total operating expenditure amounts to R964,5 million, which means a budgeted deficit of R69,5 million.

The capital budget of R103,9 million is 15,4% less compared to that of 2014-'2015. The reduction is due to the available resources to fund the capital budget.

The capital programme decreases to R94,6 million in 2015-'16 and amounts to R103,6 million in the respective outer years. An estimated R100 million is required annually to sustain capital infrastructure.

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**Stay Alive, don't drink and drive!**

**PUBLIC PARTICIPATION PROCESS**  
**Ref No. 15/06/301: PROPOSED WALKWAYS, JETTIES, VIEWING PLATFORM AND BIRDHIDE AT**  
**VARIOUS LOCATIONS IN STANFORD.**

**Applicant:** Overstrand Municipality

Notice is hereby given of a public participation process in terms of the Environmental Impact Assessment Regulations (GN Nos R982, R983, R984 & R985 of 4 December 2014, promulgated under NEMA Act No. 107 of 1998 as amended, to carry out the following activities.

**Listed Activity:** Government Notice R983 & 985

Listed activities applied for: GNR983/12,17,19,49,54&67 and GNR985/14,23&26. The proposed replacement, upgrades and new structures in Stanford may include the above activities listed in terms of the NEMA EIA Regulations. *EnviroAfrica Overberg* has been appointed to undertake the Basic Assessment Report process for the proposed project.

**Project Location & Description:** There are three development nodes proposed. Development node 1 is located on the left bank of the Kleinrivier in Stanford at the end of King Street and will consist of (i) the replacement of an existing damaged fixed wooden jetty with a similar construction measuring 2x1.5 metres; and (ii) construction of a new viewing platform to the immediate west of the said jetty. Development node 2 consists of (i) a new ablation facility measuring 9x9 metres on the upper left bank of the Kleinrivier on the opposite corner of Caledon and Du Toit Streets; (ii) replacement of an existing damaged fixed wooden jetty with a floating jetty measuring 3x2 metres; (iii) replacement of an existing damaged walkway measuring ~50x1.5 metres to supply access to the new floating jetty; (iv) resurfacing of the existing gravel access road, parking area and slipway on exactly the same footprint measuring ~95x20 metres on the left bank of the Kleinrivier; (v) construction of bird hide measuring 3x3 metres on the left bank of the Kleinrivier just beyond the end of Moore Street; and (vi) construction of a new raised wooden walkway measuring ~50x1.5 to replace the stony area located on the bottom left-hand section of the parking areas and around the north-western corner of Erf 380. Development node 3 is located in Bezuidenhout Street where it crosses the man-made Willem Appel dam and will consist of a new raised wooden walkway measuring ~80x2 metres in order to provide a safe crossing for pedestrians

**Registration as Interested and Affected Party and Access to Information:**

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**Consultant:** *EnviroAfrica Overberg*, P.O. Box 4, Onrus 7201 Fax: 086 513 2141 / Cell: 0828050190

# EnviroAfrica

Environmental Planning and Impact Assessment Consultants  
Omgewingsbeplanning en Impakbeoordeling Konsultante

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4 June 2015

## To all Potential Interested and Affected Parties

### **PUBLIC PARTICIPATION PROCESS: REF No. 15/06/301(Stanford Developments): PROPOSED WALKWAYS, JETTIES, VIEWING PLATFORMS AND BIRD HIDE AT VARIOUS LOCATIONS IN STANFORD**

Overstrand Municipality is lodging an application for environmental authorization with the Provincial Department of Environmental Affairs and Development Planning (DEA&DP) for the proposed renewal, upgrade and installation of walkways, jetties, viewing platforms and bird hide at various locations in Stanford. The proposed project entails actions that trigger a number of listed activities (see copy of advert attached) under the National Environmental Management Act (Act 107 of 1998) and therefore has to meet the requirements under the Act. The proposed project will be subjected to the Basic Assessment procedure as provide for under NEMA.

The Act aims to provide, amongst other, to initially identified Interested and Affected Parties, immediate neighbours, local authority, ward councillor and organs of state that has jurisdiction in the matter, the opportunity to participate in the decision making process of listed activities. The purpose of this attached Background Information Document (BID) is to supply information at the very onset of the impact assessment process about the proposed activity, in order to facilitate active inputs and participation by potential interested and affected parties in the process. If you know of anybody that would have an interest in this matter please bring this notice to their attention. A background information document is available upon request and a draft Basic Assessment Report will be available in the Stanford library from 9 June 2015.

In terms of NEMA Regulation (R982 (41(2)(b)) you are invited, if you wish, to register as an Interested and Affected Party (I&AP) in the identification of issues, concerns and impacts *now*, if any, in writing, around the proposed activity. Any issues, concerns and impacts raised during the impact assessment process will be addressed as determined by the Act, the documents of which will be available for comment in writing to registered I&APs. Comments submitted by e-mail will *only be accepted* if sent as a *stand alone attachment to the e-mail and must contain name, postal address, fax number and the quoted Ref No. 15/06/301(Stanford Developments)* . *Please note that incorrect submissions by e-mail will not be accepted.* After the finalisation of the appropriate required report(s) it will be submitted to the competent authority (in this instance DEA&DP) for acceptance and a decision.

If you wish to provide comments in writing on the application, please register as an Interested and Affected Party by submitting your name, gender, postal contact information, telephone and fax number, disclosing in detail any direct business, financial, personal or other interest in the approval or refusal of the application, quoting Ref. No. 15/06/301 (*Stanford Developments*) in writing to EnviroAfrica Overberg P O Box 4 Onrus 7201 or Fax: 0865132141 by 7 July 2015.

Yours sincerely



C A Bruwer Snr

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P O Box 4  
ONRUS RIVER 7201  
Tel: (028) 3162888  
Fax: 0865132141  
Cell: 0828050190

CK 2007043835/23  
VAT No 4380237091

Charel Bruwer  
Charel Bruwer Jnr  
Bernard de Witt

## PUBLIC PARTICIPATION PROCESS

Ref No. 15/06/301: PROPOSED WALKWAYS, JETTIES, VIEWING PLATFORM AND BIRDHIDE AT VARIOUS LOCATIONS IN STANFORD.

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**Consultant:** *EnviroAfrica Overberg*, P.O. Box 4, Onrus 7201 Fax: 086 513 2141 / Cell: 0828050190

**LISTED ACTIVITIES THAT MAY APPLY**

**GNR983/12:** The development of (i) canals exceeding 100 square metres in size; (ii) channels exceeding 100 square metres in size; (iii) bridges exceeding 100 square metres in size; (iv) dams, where the dam, including infrastructure and water surface area, exceeds 100 square metres in size; (v) weirs, where the weir, including infrastructure and water surface area, exceeds 100 square metres in size; (vi) bulk storm water outlet structures exceeding 100 square metres in size; (vii) marinas exceeding 100 square metres in size; (viii) jetties exceeding 100 square metres in size; (ix) slipways exceeding 100 square metres in size; (x) buildings exceeding 100 square metres in size; (xi) boardwalks exceeding 100 square metres in size; or (xii) infrastructure or structures with a physical footprint of 100 square metres or more; where such development occurs (a) within a watercourse; (b) in front of a development setback; or (c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse; excluding (aa) the development of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour; (bb) where such development activities are related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies; (cc) activities listed in activity 14 in Listing Notice 2 of 2014 or activity 14 in Listing Notice 3 of 2014, in which case that activity applies; (dd) where such development occurs within an urban area; or (ee) where such development occurs within existing roads or road reserves

**GNR983/17:** Development (i) in the sea; (ii) in an estuary; (iii) within the littoral active zone; (iv) in front of a development setback; or (v) if no development setback exists, within a distance of 100 metres inland of the high-water mark of the sea or an estuary, whichever is the greater; in respect of (a) fixed or floating jetties and slipways; (b) tidal pools; (c) embankments; (d) rock revetments or stabilising structures including stabilising walls; (e) buildings of 50 square metres or more; or (f) infrastructure with a development footprint of 50 square metres or more, but excluding (aa) the development of infrastructure and structures within existing ports or harbours that will not increase the development footprint of the port or harbour; (bb) where such development is related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies; (cc) the development of temporary infrastructure or structures where such structures will be removed within 6 weeks of the commencement of development and where indigenous vegetation will not be cleared; or (dd) where such development occurs within an urban area

**GNR983/19:** 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 of more than 5 cubic metres from (i) a watercourse; (ii) the seashore; or (iii) 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 but excluding where such infilling, depositing, dredging, excavation, removal or moving (a) will occur behind a development setback; (b) is for maintenance purposes undertaken in accordance with a maintenance management plan; or (c) falls within the ambit of activity 21 in this Notice, in which case that activity applies.

**GNR983/49:** The expansion of (i) jetties by more than 100 square metres; (ii) slipways by more than 100 square metres; (iii) buildings by more than 100 square metres; (iv) boardwalks by more than 100 square metres; or (v) infrastructure or structures where the physical footprint is expanded by 100 square metres or more; where such expansion or expansion and related operation occurs (a) within a watercourse; (b) in front of a development setback; or (c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse; excluding (aa) the expansion of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour; (bb) where such expansion activities are related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies; (cc) activities listed in activity 14 in Listing Notice 2 of 2014 or activity 14 in Listing Notice 3 of 2014, in which case that activity applies; (dd) where such expansion occurs within an urban area; or (ee) where such expansion occurs within existing roads or road reserves.

**GNR983/54:** The expansion of facilities (i) in the sea; (ii) in an estuary; (iii) within the littoral active zone; (iv) in front of a development setback; or (v) if no development setback exists, within a distance of 100 metres inland of the highwater mark of the sea or an estuary, whichever is the greater; in respect of (a) fixed or floating jetties and slipways; (b) tidal pools; (c) embankments; (d) rock revetments or

stabilising structures including stabilising walls; (e) buildings where the building is expanded by 50 square metres or more; or (f) infrastructure where the development footprint is expanded by 50 square metres or more, but excluding- (aa) the expansion of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour; or (bb) where such expansion occurs within an urban area.

GNR983/67: Phased activities for all activities i. listed in this Notice, which commenced on or after the effective date of this Notice; or ii. similarly listed in any of the previous NEMA notices, which commenced on or after the effective date of such previous NEMA Notices; where any phase of the activity may be below a threshold but where a combination of the phases, including expansions or extensions, will exceed a specified threshold; excluding the following activities listed in this Notice- 17(i)(a-d); 17(ii)(a-d); 17(iii)(a-d); 17(iv)(a-d); 17(v)(a-d); 20; 21; 22; 24(i); 29; 30; 31; 32; 34; 54(i)(a-d); 54(ii)(a-d); 54(iii)(a-d); 54(iv)(a-d); 54(v)(a-d); 55; 61; 62; 64; and 65.

GNR985/14: The development of (i) canals exceeding 10 square metres in size; (ii) channels exceeding 10 square metres in size; CO bridges exceeding 10 square metres in size; (iv) dams, where the dam, including infrastructure and water surface area exceeds 10 square metres in size; (v) weirs, where the weir, including infrastructure and water surface area exceeds 10 square metres in size; (vi) bulk storm water outlet structures exceeding 10 square metres in size; (vii) marinas exceeding 10 square metres in size; (viii) jetties exceeding 10 square metres in size; (ix) slipways exceeding 10 square metres in size; (x) buildings exceeding 10 square metres in size; (xi) boardwalks exceeding 10 square metres in size; or (xii) infrastructure or structures with a physical footprint of 10 square metres or more; where such development occurs (a) within a watercourse; (b) in front of a development setback; or (c) if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse; excluding the development of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour. In Western Cape: (i). Outside urban areas, in (aa) A protected area identified in terms of NEMPAA, excluding conservancies; (bb) National Protected Area Expansion Strategy 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 listed 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; or (hh) Areas on the estuary side of the development setback line or in an estuarine functional zone where no such setback line has been determined.

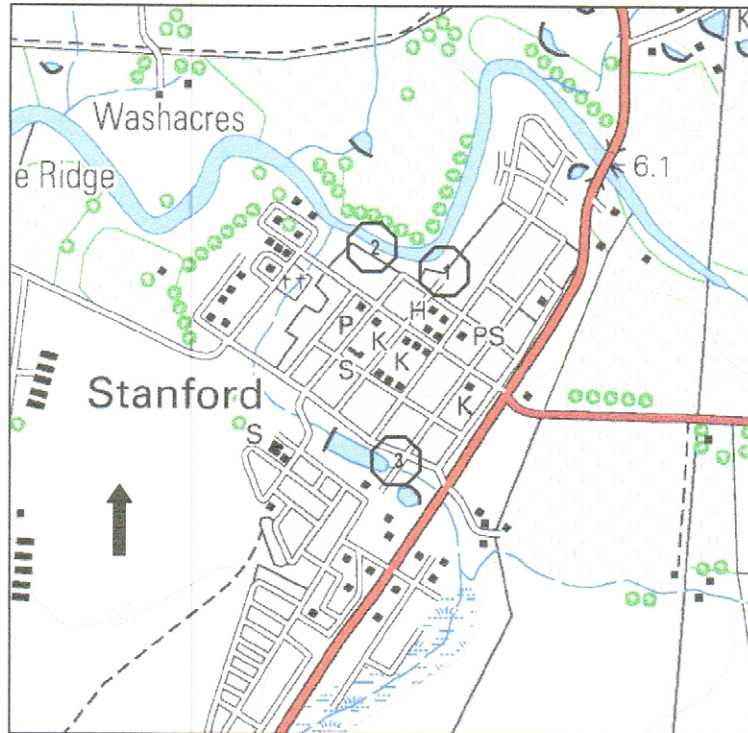
GNR985/23: The expansion of (i) canals where the canal is expanded by 10 square metres or more in size; (ii) channels where the channel is expanded by 10 square metres or more in size; (iii) bridges where the bridge is expanded by 10 square metres or more in size; (iv) dams where the dam is expanded 10 square metres or more in size; (v) weirs where the weir is expanded by 10 square metres or more in size; (vi) bulk storm water outlet structures where the structure is expanded by more than 10 square metres or more in size; (vii) marinas where the marina is expanded by 10 square metres or more in size; (viii) jetties where the jetty is expanded by 10 square metres or more in size; (ix) slipways where the slipway is expanded by 10 square metres or more in size; (x) buildings where the building is expanded by 10 square metres or more in size; (xi) boardwalks where the boardwalk is expanded by 10 square metres or more in size; (xii) infrastructures or structures where the physical footprint is expanded by 10 square metres or more; where such development occurs within (a) within a watercourse; (b) in front of a development setback adopted in the prescribed manner; or (c) if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse; excluding the expansion of infrastructure or structures within the existing ports or harbours that will not increase the development footprint of the port or harbour. In Western Cape: (i). Outside urban areas, in: (aa) A protected area identified in terms of NEMPAA, excluding conservancies; (bb) National Protected Area ' Expansion Strategy 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 listed 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; or (hh) Areas on the estuary side of the development setback line or in an estuarine functional zone where no such setback line has been determined.

GNR985/26: Phased activities for all activities i. listed in this Notice and as it applies to a specific geographical area, which commenced on or after the effective date of this Notice; or ii. similarly listed in any of the previous NEMA notices, and as it applies to a specific geographical area, which commenced on or after the effective date of such previous NEMA Notices where any phase of the activity may be below a threshold but where a combination of the phases, including expansions or extensions, will exceed a specified threshold; excluding the following activities listed in this Notice-7; 8; 11; 13; 17; 20; 21 and 24. All the areas as identified for the specific activities listed in this Notice.

## **PROPOSED ACTIVITIES RELATED TO THE WALKWAYS, JETTIES, VIEWING PLATFORM AND BIRDHIDE AT VARIOUS LOCATIONS IN STANFORD**

There are three development nodes proposed. Development node 1 is located on the left bank of the Kleinrivier in Stanford at the end of King Street and will consist of (i) the replacement of an existing damaged fixed wooden jetty with a similar construction measuring 2x1.5 metres; and (ii) construction of a new viewing platform to the immediate west of the said jetty. Development node 2 consists of (i) a new ablution facility measuring 9x9 metres on the upper left bank of the Kleinrivier on the opposite corner of Caledon and Du Toit Streets; (ii) replacement of an existing damaged fixed wooden jetty with a floating jetty measuring 3x2 metres; (iii) replacement of an existing damaged walkway measuring ~50x1.5 metres to supply access to the new floating jetty; (iv) resurfacing of the existing gravel access road, parking area and slipway on exactly the same footprint measuring ~95x20 metres on the left bank of the Kleinrivier; (v) construction of bird hide measuring 3x3 metres on the left bank of the Kleinrivier just beyond the end of Moore Street; and (vi) construction of a new raised wooden walkway measuring ~50x1.5 to replace the stony area located on the bottom left-hand section of the parking areas and around the north-western corner of Erf 380. Development node 3 is located in Bezuidenhout Street where it crosses the man-made Willem Appel dam and will consist of a new raised wooden walkway measuring ~80x2 metres in order to provide a safe crossing for pedestrians.

The locations of the proposed activities are shown in Figures below.



**FIGURE 1** at scale of 1:20000 showing the locations of the three proposed development nodes that will be affected as described in the Background Information Document. Prevailing wind is southeast (Oct-Mar) and northwest (Apr-Sep).



**AERIAL PHOTO** showing the locations of the three proposed development nodes that will be affected as described in the Background Information Document. Prevailing wind is southeast (Oct-Mar) and northwest (Apr-Sep).

***APPENDIX G***

***SPECIALIST REPORTS***

***(NONE)***

*APPENDIX H*

***ENVIRONMENTAL MANAGEMENT PROGRAM***

*TO BE INCLUDED AFTER PUBLIC PARTICIPATION PROCESS*

***APPENDIX I***

***WASTE ACT MANAGEMENT ACTIVITIES***

***(NONE)***

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

***APPENDIX E***

***PERMITS AND LICENSES***

***(NONE)***

*APPENDIX F*

***PUBLIC PARTICIPATION INFORMATION***

*TO BE COMPLETED AFTER PUBLIC PARTICIPATION PROCESS*