

**BACKGROUND INFORMATION DOCUMENT (BID)**  
**PROPOSED TOYOTA STORMWATER OUTFALL AT CLARK ROAD, DURBAN**



**PREPARED ON BEHALF OF:**



**eThekweni Municipality – Coastal Stormwater & Catchment Management**

**166 KE Masinga Road**

**Durban, 4000**

**Date: May 2022**

**DETAILS OF ENVIRONMENTAL ASSESSMENT PRACTITIONER**

EAP	ENVIRONMENTAL EXPERIENCE	CONTACT DETAILS
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**DETAILS OF APPLICANT AND PROJECT MANAGERS**

APPLICANT	CONTACT PERSON	CONTACT DETAILS	PHYSICAL ADDRESS
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## **1. PUPOSE OF DOCUMENT**

SAT Environmental Consultants was appointed by eThekweni Municipality – Coastal, Stormwater & Catchment Management unit as an independent Environmental Consultant to undertake a Basic Assessment for the proposed construction of Toyota Stormwater Outfall project. The Applicant intends to lodge the Environmental application with the Department of Economic Development Tourism and Environmental Affairs (EDTEA). The purpose of this document is to provide all Interested & Affected Parties (I&AP's)/Stakeholders with an opportunity to **register as an I&AP**, and to provide background information on the nature of the project.

## **2. PROJECT BACKGROUND INFORMATION**

The site is in Isipingo, approximately 16km south of Durban, KwaZulu-Natal. More specifically the site can be located within the Prospecton area, between Ernest Clokie Road and Clark Road. However, the total affected area, due to flooding during intense periods of rainfall, extends beyond Ernest Clokie Road to as far as Joyner Road. This flooding generally occurs during the peak of storm events with drainage having a delayed response due to the lack of drainage infrastructure in the area. 2D PCSWMM Stormwater Modelling was done to carry out a hydraulic assessment and produce viable solutions for the affected area, one such viable solution being a proposed stormwater canal between Ernest Clokie Road and Clark Road, which can be used as a critical point to minimise the impacts of flooding by constructing a stormwater canal that will transport stormwater runoff from the roads to outfall into the sea.

### **Proposed Scope of Works:**

The eThekweni Municipality is planning to construct a new stormwater box canal to alleviate inundation that occurs in the area during periods of high intensity rainfall. The canal will drain stormwater runoff from the existing canal and off the roads and channel it through private properties, down to the dune embankment, where it will be discharged into the ocean.

The construction of the new stormwater box culvert will require:

- The clearing of vegetation and dune vegetation along the canal route.
- The excavation and construction of the base and installation of precast portals.
- The construction of a stormwater box culvert with dimensions 2m x 1.5m with a total length of 751 meters, of which 250 meters is in the EIA triggered zone.
- The construction of a headwall at the culvert outlet.
- Dune rehabilitation to re-vegetate the impacted site.

## Proposed Clark Road Stormwater Culvert Locality Map



**Figure 1: Locality Map**

### 3. PROJECT LOCATION

The site is in Isipingo, approximately 16km south of Durban, KwaZulu-Natal. More specifically the EIA triggered site area can be located within the Prospecton area, between Ernest Clokie Road and Clark Road, extending beyond Clark Road to outfall into the ocean. The co-ordinates for the proposed Outfall are listed in the table below:

**Table 1: Project Co-ordinates**

<b>Start and End Point Co-Ordinates</b>		
<b>Name</b>	<b>Latitude</b>	<b>Longitude</b>
Start Point (Ernest Clokie Road)	30°00'11" S	30°56'24" E
End Point (Beach adjacent to Clark Road)	30°00' 16" S	30°56'30" E

#### **4. NEED AND DESIRABILITY OF THE PROJECT**

The need and desirability of the project stems from the current drainage problems being experienced during high intensity rainfall events. Intervention, in the form of a newly constructed stormwater culvert, is required to alleviate flooding in the area. Reducing flood events will have a positive economic impact by safeguarding the local infrastructure in the area, and it will have a positive impact on the surrounding environment through a reduction in erosion and sedimentation.

#### **5. SPECIALIST STUDIES**

The proposed development requires the following specialist studies to be undertaken:

- Geotechnical Assessment Report
- Coastal Ecomorphological Assessment Report
- Heritage Impact Assessment Report
- Floodline Assessment Report

#### **6. ENVIRONMENTAL APPLICATIONS**

##### **6.1 BASIC ASSESSMENT APPLICATION PROCESS**

The Basic Assessment (BA) process for the proposed development will be undertaken in accordance with the National Environmental Management Act, 1998 (Act No. 107 of 1998) in terms of the EIA Regulations, 2014 as amended. As part of the BA process the project will require the approval from the Department of Economic Development, Tourism and Environmental Affairs (EDTEA) prior to commencement of the project for activities triggering any Listing Notices contained in the EIA Regulations, 2014 as amended.

### 6.1.1 Relevant Environmental Legislation

This development triggers the requirement for a Basic Assessment as per the National Environmental Management Act (NEMA). The below mentioned environmental activities are potentially triggered by the proposed development therefore requiring an Environmental Authorisation from KZN EDTEA:

**Table 2: Potential Listed Activities**

LISTED ACTIVITIES	
Listing Notice 1 (GNR 325, 2017)	
Activity No.	Listed Activity Description and Applicability
<p><b>Activity 15 of LN 1:</b> The development of structures in the coastal public property where the development footprint is bigger than 50 square metres, excluding—</p> <ul style="list-style-type: none"> <li>(i) the development of structures within existing ports or harbours that will not increase the development footprint of the port or harbour;</li> <li>(ii) the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies;</li> <li>(iii) the development of temporary structures within the beach zone where such structures will be removed within 6 weeks of the commencement of development and where coral or indigenous vegetation will not be cleared; or</li> <li>(iv) activities listed in activity 14 in Listing Notice 2 of 2014, in which case that activity applies.</li> </ul>	<p>The proposed activity will extend into the coastal public property and is more than likely expected to exceed the 50 square metre limit on developments in coastal public property.</p>
<p><b>Activity 18 of LN1:</b> <i>The planting of vegetation or placing of any material on dunes or exposed sand surfaces of more than 10 square metres, within the littoral active zone, for the purpose of preventing the free movement of sand, erosion or accretion, excluding where –</i></p> <ul style="list-style-type: none"> <li>(i) <i>The planting of vegetation or placement of material relates to restoration and maintenance of indigenous coastal vegetation undertaken in accordance with a maintenance management plan; or</i></li> <li>(ii) <i>Such planting of vegetation or placing of material will occur behind a development setback.</i></li> </ul>	<p>Vegetation will need to be planted when construction is completed to rehabilitate the dune area and it is anticipated that more than 10 square metres will need to be planted to rehabilitate the dune back to its natural state. It is also anticipated that materials will be placed on exposed sand surfaces in the littoral zone during the construction phase.</p>

**Activity 19A of LN 1:** *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) *the seashore;*
- (ii) ***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; or***
- (iii) *the sea;*

*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;*
- (c) *falls within the ambit of activity 21 in this notice, in which case that activity applies;*
- (d) *occurs within existing ports or harbours that will not increase the development footprint of the port or harbour; or*

*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.*

It is anticipated that more than 5 cubic metres of material will be removed from the littoral active zone or 100 metres inland of the high-water mark of the sea for the construction of the stormwater outfall.

**Listing Notice 3 (GNR 324, 2017)**

**Activity No.**

**Listed Activity Description and Applicability**

**Activity 14 of LN 3:**

*The development of—*

- (i) *dams or weirs, where the dam or weir, including infrastructure and water surface area exceeds 10 square metres; or*
- (ii) ***infrastructure or structures with a physical footprint of 10 square metres or more;***

*where such development occurs—*

- (a) *within a watercourse;*

The physical footprint of the proposed canal will be more than 10 square metres and it will also occur within 100m of the high-water mark in an urban area



- (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.*

*d. KwaZulu Natal*

**xi. Inside urban areas**

**(aa) Areas zoned for use as public open space**

*(bb) Areas designated for conservation use in Spatial Development Frameworks adopted by the competent authority, zoned for a conservation purpose; or*

**(cc) Areas seawards of the development setback line or within 100 metres from the high-water mark of the sea if no such development setback line is determined.**

## 7. PUBLIC PARTICIPATION PROCESS

The Public Participation Guideline in terms of National Environmental Management Act, 1998 (Act No.107 of 1998) and the Environmental Impact Assessment Regulations, 2014 as amended, describes the public participation process as “a process by which potential interested and affected parties are given opportunity to comment on, or raise issues”. Therefore, the public participation process will provide for opportunity for interested and affected parties, stakeholders, and competent authorities to obtain clear, accurate and understandable information about the environmental impacts associated with the proposed project.

Public Participation Process can be summarized as follows:

- Distribution of the Background Information Document (BID) to all identified stakeholders, providing an opportunity to register as an I&AP.
- Erecting site notices near the site area.
- Placing an advertisement in the local newspaper.

- Compilation of the Draft Basic Assessment Report for Stakeholders and I&AP's to review and make comments, will be available for a period of **30 days**. As an additional measure the Basic Assessment Report will also be electronically available via a drop box link which will be emailed to all I&APs and Stakeholders.
- Submission of the Final Basic Assessment Report and details of I&AP consultation to the EDTEA, for a decision; and
- Communication to I&APs regarding the decision made by EDTEA on the application for Environmental Authorisation.
- The final Basic Assessment Report, including input provided during the public participation process, will be submitted to EDTEA for consideration and decision.

#### **8. ROLE AS AN I & AP**

Should you wish to **register** as an Interested/Affected Party (I&AP) or if you have any comments, concerns, or objections regarding the project, kindly follow the procedure outlined below:

1. Complete the **comments and registration sheet attached** to this document and email or post the completed sheet to SAT Environmental Consultants (PTY) LTD as per details below.
2. Contact the environmental consultant directly via email or telephonically, if you have any queries or require further information on the project.

Please register by completing the attached **comments and registration sheet**. For all inquiries, **comments and concerns, kindly contact:**

**Name:** Sheldon Singh – Environmental Assessment Practitioner

**Cell:** 072 4555 168

**Email:** [sheldon@satenviro.co.za](mailto:sheldon@satenviro.co.za)

**Address:** 29 Manjee Place, Unit 41, Durban, 4051

APPENDIX 1

**COMMENTS AND REGISTRATION SHEET**

**ATTENTION: SHELDON SINGH**

**PROJECT: PROPOSED TOYOTA STORMWATER OUTFALL AT CLARK ROAD, KWAZULU-NATAL.**

TITLE:		TEL. /CELL.:	
NAME & SURNAME:		EMAIL:	
ORGANIZATION			
ADDRESS:			

Please tick the appropriate box:

- I would like to register as an Interested and Affected Party.

- Please remove me from the distribution sheet for the proposed project. I would prefer not to receive any further correspondence regarding this process.

- Do you have any direct business, financial, personal or other interest in the approval or refusal or this application?

YES

NO

If yes, please explain:

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Comments:

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All comments are to be submitted within 14 days of receipt of the BID to:

[sheldon@satenviro.co.za](mailto:sheldon@satenviro.co.za) alternatively contact Sheldon Singh, Cell: 072 4555 168