

BACKGROUND INFORMATION DOCUMENT:

**Proposed Construction of Off take
6c Potable Water Pipeline as part of
the Lower Thukela Bulk Water
Supply at Siyaphambili to Nonoti,
iLembe District Municipality, KZN**

A Project of iLembe District Municipality





10 December 2014

EDTEA REF NO: DC29/0041/2014

DOCUMENT DESCRIPTION

Client / Applicant:	iLembe District Municipality
Report name:	Background Information Document for the Proposed Construction of Off take 6c Potable Water Pipeline, iLembe District Municipality, KZN
Report type:	Background Information Document (BID)
Project name:	Proposed Construction of Off take 6cd Potable Water Pipeline, iLembe District Municipality, KZN
Project number:	T4B.0117
Version:	Original

Compiled and Authorised by:

Compiled By:	Date	Signature
Astika Bhugeloo Environmental Consultant	10 December 2014 / Durban	
Reviewed & Authorised By:	Date	Signature
Kushela Naidoo (EAPASA) Technical Director	10 December 2014 / Durban	

COMPILED BY:

Triplo 4 Sustainable Solutions (Pty) Ltd

Address: Suite 5, The Circle, Douglas Crowe Dr
Ballito, 4418

Telephone: +27 (0)32 946 3213

Facsimile: +27 (0)32 946 0826

Email: hantie@triplo4.com

www.triplo4.com

© Copyright 2014 Triplo 4 Sustainable Solutions



INTRODUCTION

The purpose of this Background Information Document (BID) is to provide information to interested and affected parties (I&APs) regarding the proposed Construction of the Off take 6c Potable Water Pipeline as part of the Lower Thukela Bulk Water Supply at Darnall, iLembe District Municipality, KZN.

Triplo4 Sustainable Solutions (hereafter referred to as Triplo4) was appointed as Independent Environmental Assessment Practitioner by Black Balance Projects (on behalf of their client, iLembe District Municipality) for the proposed construction of the off take 6c of the potable water pipeline.

LOCATION OF PROPOSED PROJECT

The locality is approximately 70 km to the north of Durban in the Nonoti area of Northern Kwazulu-Natal.

The proposed project, Off take 6c, falls within the KwaDukuza Local and iLembe District Municipality.

Co-ordinates of proposed development: Please refer to Google image (Figure 1)

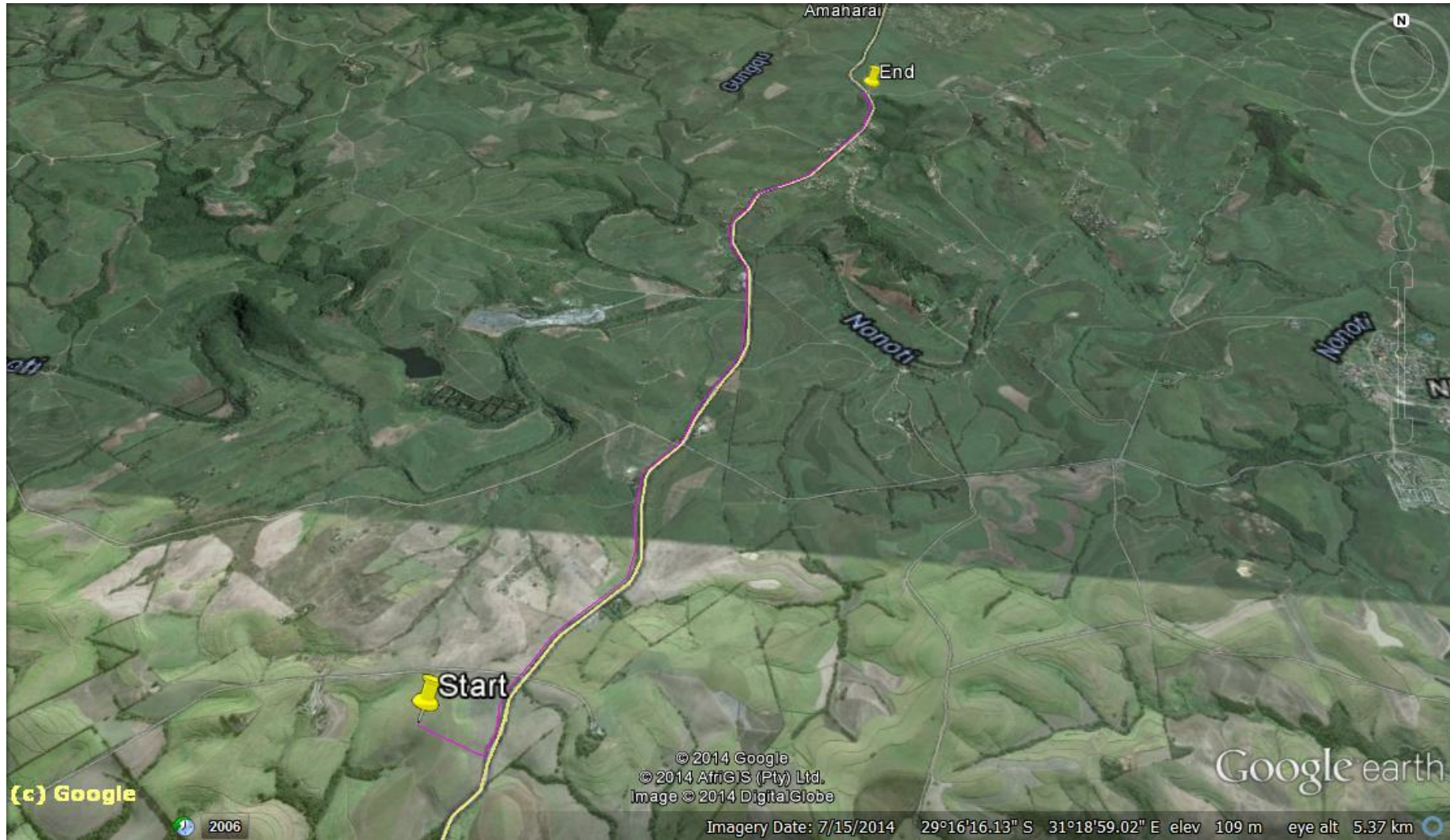
Pipeline starting point– Siyaphambili Reservoir

Latitude /Longitude	Degrees	Minutes	Seconds
South	29	17	23.17
East	31	18	04.96

End point - Feeds into proposed Offtake 3a pipeline-Nonoti

Latitude /Longitude	Degrees	Minutes	Seconds
South	29	14	20.88
East	31	19	37.12

Figure 2: Google Image of the proposed Construction of the Offtake 6c Pipeline outlined in purple



PROJECT DETAIL

The proposed construction for Off Take 6C forms part of the Lower Thukela Bulk Water Supply Scheme which is a project of the iLembe District Municipality and co-funded by the Department of Water Affairs. The construction of Off Take 6c is part of the sections of the potable water pipeline that forms part of the broader Bulk Water Supply Scheme in the lower Thukela Region. The proposed pipeline is approximately 6, 9 km in length with an outside diameter of approximately 300-500 mm. The proposed Off Take 6C bulk water pipeline lies immediately outside the road reserve and will flow from the existing Siyaphambili reservoir as the project makes provision for Bulk Supply of Potable water to communities that currently do not have access to reticulated potable water in the Lower Thukela Region.

PROJECT MOTIVATION

There is a growing need and urgency to provide adequate potable water to many communities that do not have access to this life sustaining resource particularly in rural areas. The proposed construction of the Off take 6c pipeline forms part of the Lower Thukela Bulk Water Supply Scheme that has been developed to address the challenges associated with poor supply of reticulated potable water in Northern KZN. Overall there is an ongoing need to address the current and future water supply backlogs of which requires continued investment in new infrastructure to areas that lack access to safe water.

Thus the construction of the Off take 6c pipeline for bulk water supply meets the objectives of addressing the challenges of inadequate water service provision. The project also brings about socio-economic benefits as it promotes healthier and uplifted communities as the number of people that have access to clean water will increase and the risk associated with use of untreated water will be reduced significantly. The proposed construction of the Off take 6c pipeline is in the interest of the greater public as improving water service provision to those who currently do not have access to safe potable water is indeed a priority that is on top of the development agenda for KZN.

SPECIALIST EVALUATION

An independent Wetland and Ecological Habitat Assessment was conducted by Mr Clayton Cook. A summary of findings and site sensitivity will be available shortly.

A Heritage Impact Assessment

- The Heritage assessment will be conducted by Gavin Anderson of Umlando Archaeological Surveys and heritage management.

ENVIRONMENTAL PROCESSES

Relevant Environmental Legislation

The below mentioned environmental activities are potentially being triggered by the proposed development, requiring an Environmental Authorisation from KZN EDTEA:

Listing Notice 1 (GNR 544, 2010):

Activity No.	Listed activity as per the project description
Activity 9	The construction of facilities or infrastructure exceeding 1000 metres in length for the bulk transportation of water, sewage or storm water – (i) with an internal diameter of 0,36 metres or more; or The proposed pipeline has an internal diameter of approximately 300-500 mm.
Activity 11	The construction of infrastructure or structures covering 50 square metres or more where such construction occurs within a watercourse or within 32 metres of a watercourse. The proposed pipeline occurs within 32 m of a watercourse
Activity 18	The infilling or depositing of any material of more than 5 cubic meters into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 5 cubic metres from a watercourse. It is anticipated that more than 5 cubic meters of soil, sand or rock will be excavated or moved during the construction of the pipeline.

A person who wishes to commence, undertake or conduct an activity listed in terms of the National Environmental Management Act, or NEMA EIA Listing Notice 1 activities must conduct a basic assessment process.

Legal requirements for the proposed construction of Off take 6c Pipeline

This development triggers activity 9, 11 and activity 18 of Listing Notice 1 of the EIA Regulations and will conduct a Basic Assessment Report as per The National Environmental Management Act (NEMA). A Water Use License Application is required for the proposed construction of the off take 6c pipeline. A Water Use License (WUL) is a legal process governed by DWS requiring the authorisation of all water uses defined in section 21 of the National Water Act (Act No 36 of 1998) [NWA]. The above mentioned project requires Section 21 (c) and (i) water uses. The NWA defines a Section 21 (c) and (i) water uses as: Section 21 (c) – Impeding and diverting the flow of water in a watercourse, Section 21 (i) – Altering the bed, bank, course or characteristics of a watercourse.

Basic Assessment Process

The basic assessment process being followed comprises of the following:

- Submission of an Application for Authorization to EDTEA;
- Public participation Process:
 - Submission of a Background Information Document (this document) to identified stakeholders;
 - An advertisement in the local newspaper (Stanger Weekly);
 - Placement of a site notification at the site notifying I&AP's of the proposed activity and inviting them to register; and;
 - Relevant I&AP's consultation to address issues and concerns raised;
- Compilation of Draft Basic Assessment Report for I&AP's review and comments, which will be available for review and comment at KwaDukuza Public Library for a period of 40 days from 30 Jan to 10 March 2015;
- Submission of a Basic Assessment Report and details of I&AP consultation to the EDTEA, for a decision;
- Communication to I & AP's regarding the Environmental Authorisation.

Public Participation Process

The public participation process and time frames are summarized as follows:

Announcing the opportunity to participate and register by the 15 January 2015

- Distribution of the Background Information Document to all identified stakeholders to announce the project and inviting stakeholders to register as an I&AP and participate in the public participation process;
- Posting of the site notice at the site;
- Advertisement in the "Stanger Weekly" which will be available on **10 December 2014**

Obtaining initial comment,

- Providing this BID and comment sheets to stakeholders; and
- Capturing all comments in a Comment and Response Report / Issues Trial.

Draft BA Report 30 January to 10 March 2015

- Availability of the draft BA report at KwaDukuza Public Library and Triplo4 Sustainable Solutions office and website (www.triplo4.com), which will contain a full project description, alternatives considered, and relevant information.

Submitting the final BA report to Authorities, providing a comment period of 40 days (excluding public holidays); and **Submitting the final BA report to EDTEA for consideration and communicating the decision to I&AP's.**

Your contributions are important

You can get involved in the process:

1. By responding (by phone, fax or e-mail) to our invitation for your involvement in the process;
2. By completing the attached comment form and e-mailing, posting or faxing it to Triplo4 Sustainable Solutions;
3. In writing contacting or telephoning consultants if you have a query, comment or require further project information; and
4. By reviewing and commenting on the BA Report within the allowed 40-day review period.

In terms of the NEMA Regulations (GN 543) you are invited to formally register as an I&AP.

Please note that in terms of Regulation 56 (c), I&AP's need to disclose any direct business, financial, personal or other interest which they may have in the approval or refusal of the application.

Please register by **15 January 2015** by completing the enclosed registration and comment sheet and please declare the interest with regard to the project with your comments.



REGISTRATION FORM:
Proposed Construction of Off Take 6c of the Potable Water Pipeline of the Lower Thukela Bulk Water Supply at Siyaphambili to Nonoti , iLembe District Municipality, KZN

Attention: Hantie Plomp

Cell: 083 308 8003

E-mail: hantie@triplo4.com / astika.triplo4@gmail.com

Fax: 032 946 0192

Title (Mr/Mrs/Ms)		Phone	
Name		Fax	
Organisation / Interes		E-mail	
Signature			

Please tick the appropriate circle and confirm your contact details above:

Registration

<input type="radio"/>	I would like to register as an Interested and Affected Party for the BA process for this Project
<input type="radio"/>	Non stakeholder: I would like you to take me off your distribution sheet for the Proposed. I would not like to receive any further information regarding this process.

Other

If you know of any other individual or organisation that would be interested in registering as an Interested and Affected Party please provide their contact details:

Title (Mr/Mrs/Ms)		Phone	
Name		Fax	
Organisation / Interes		E-mail	
Signature			

