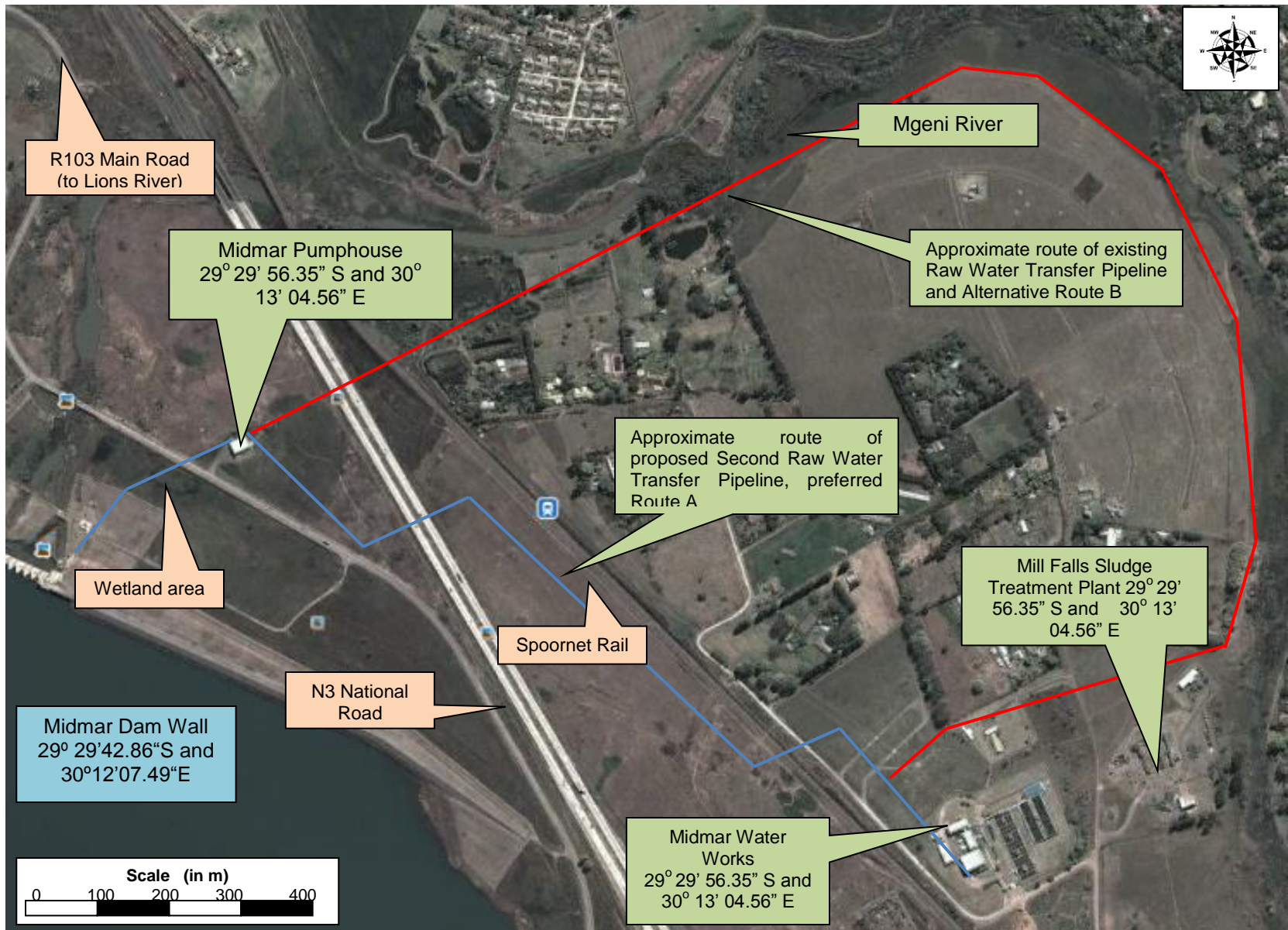


Appendix A: Site plan(s)



Appendix A: Aerial map showing the Midmar Water Works and surrounding land uses (Google Earth).

Appendix B: Photographs



Plate 1: Midmar Dam Wall



Plate 2: Midmar Pumphouse



Plate 3: Midmar Pumphouse



Plate 4: Midmar pipeline route showing other services in the vicinity



Plate 5: Midmar pipeline route showing grassland



Plate 6: Midmar Water Works



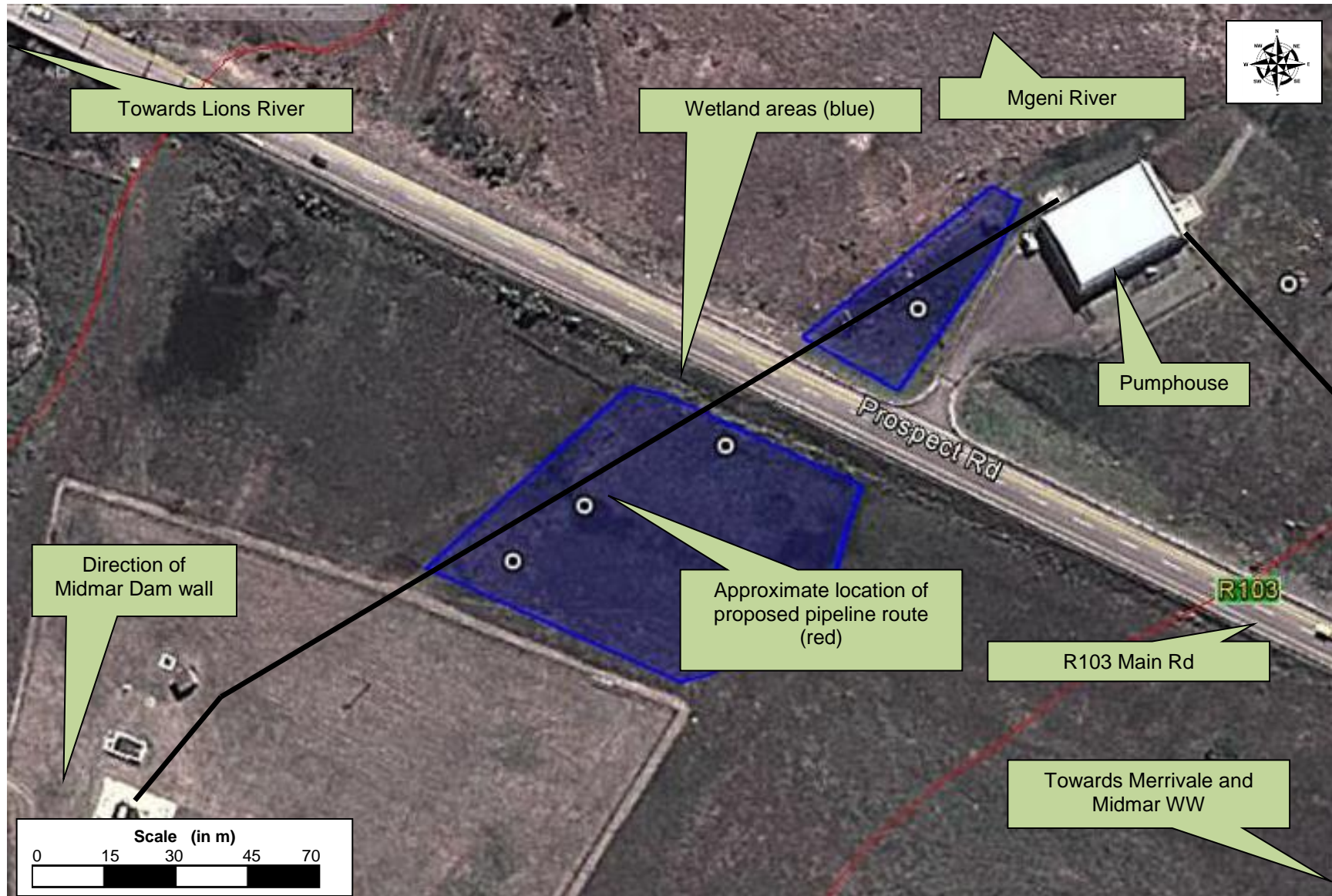
Plate 7: Midmar Water Works



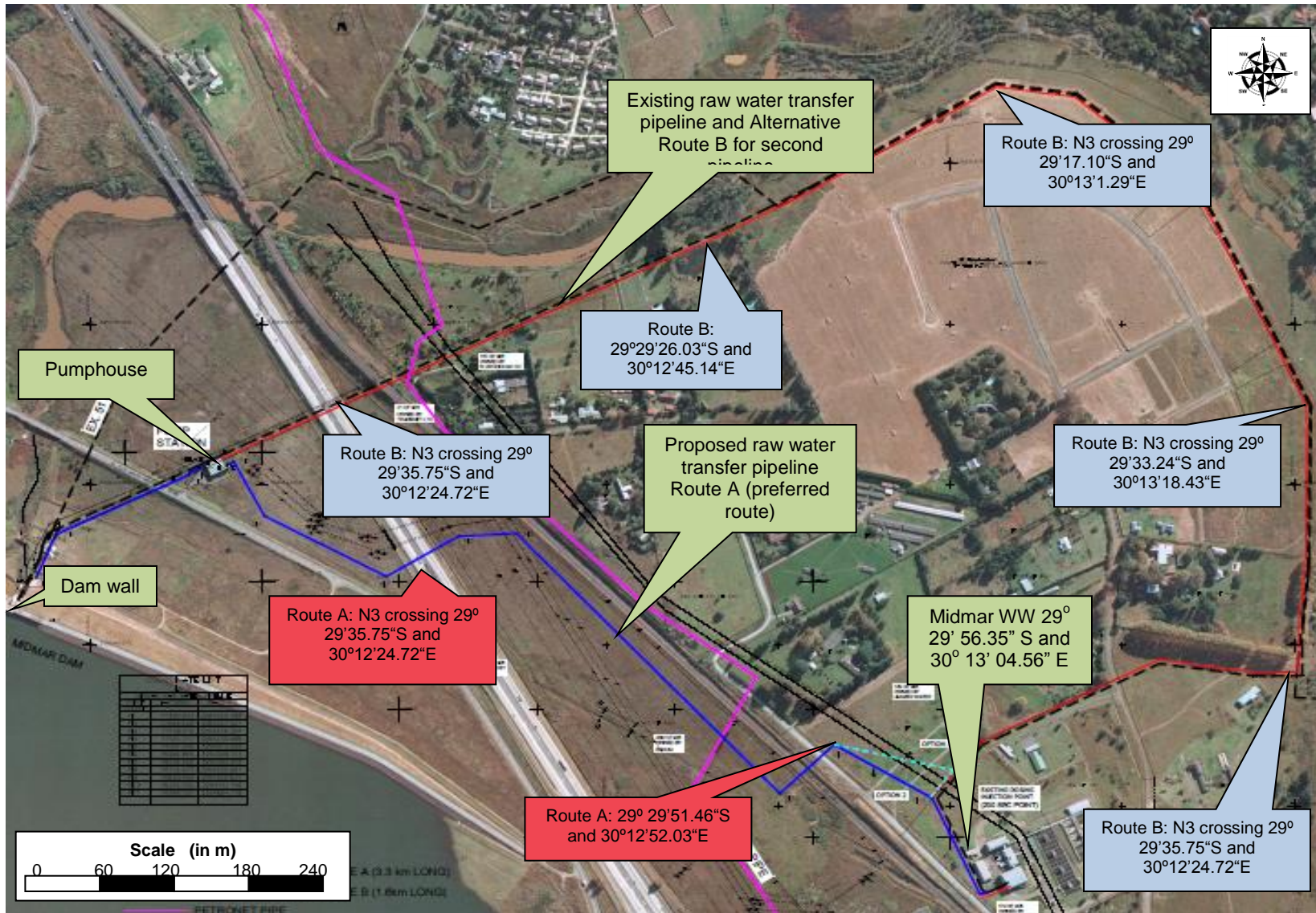
Plate 8: Mill Falls Sludge Treatment Plant

Appendix C: Facility illustrations

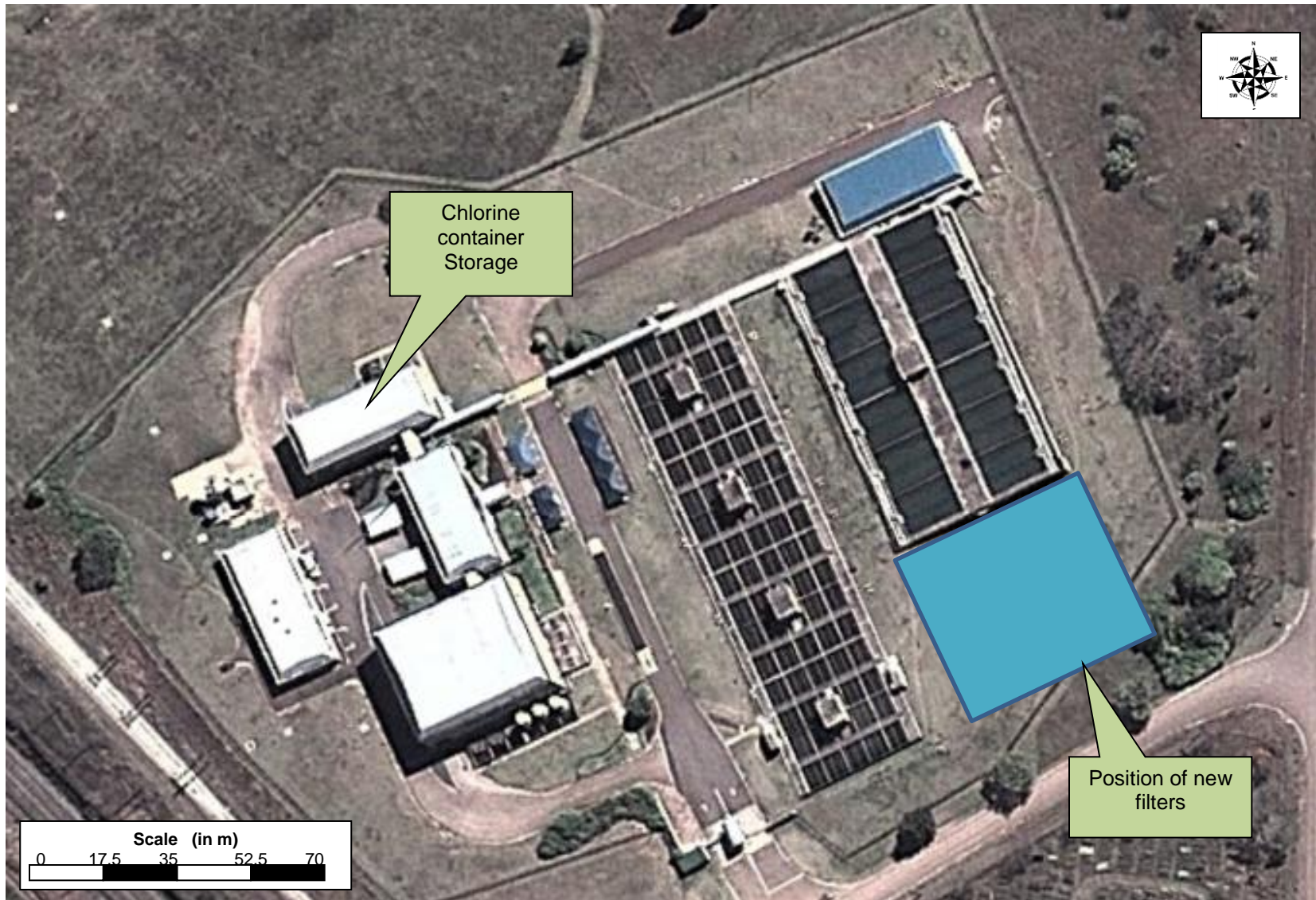
Facility illustration 1: Midmar Pumphouse and affected wetland areas by the proposed Pipeline



Facility illustration 2: Raw Water Transfer Pipeline Route



Facility illustration 3: Midmar Waterworks



Facility illustration 4: Mills Fall Sludge Treatment Plant



Appendix E1: Adverts, Site Notices, BID

Photos of Site Notices



Appendix E2: Notification to I&AP's

Appendix E3: Comments and Responses Report

1 INTRODUCTION

In order to fulfil the necessary public participation required as part of the Basic Assessment process, the following methods of stakeholder engagement were conducted:

1.1 Newspaper Advertisements

Newspaper adverts were published in the Natal Witness (in English and Zulu) on Thursday 28 March 2013. The purpose of the adverts was to inform the general public of the proposed development. Copies of the adverts are included in this Appendix.

1.2 Site Notice Boards

Site notice boards in English and Zulu were placed at the entrances to the Umgeni Midmar Pumphouse and the Umgeni Midmar Waterworks on 18 March 2013.

The purpose of the notice boards is to inform neighbours and passers-by of the proposed development. Copies of the notice boards and photos of them on site are included in this Appendix.

1.3 Written Notification to Authorities and Neighbours

1.3.1 Interested and Affected Parties

A list of Interested and Affected Parties (I&APs) was compiled. This included all relevant authorities, Government Departments, the local Municipality, relevant conservation bodies and NGO's as well as neighbouring landowners. This list was regularly updated to include those I&APs responding to the newspaper adverts and site notice boards. A copy of the I&AP list is included in this Appendix.

1.3.2 Background Information Documents

Background Information Documents (BID) in English and Zulu were compiled and circulated to all I&APs, including beneficiaries, by hand, post, fax, or email 7 March 2013. The purpose of the BID was to provide some preliminary information on the proposed development and its location, as well as to explain the Basic assessment process. Furthermore, the BID invited preliminary comments from the I&APs.

Table 1: COMMENTS RECEIVED IN RESPONSE TO THE BID, SITE POSTERS AND NEWSPAPER ADVERT AND THE RESPONSES GIVEN

I&AP	COMMENT	RESPONSE
<p>Marc Hattingh, uMngeni Municipality, 24 June 2013</p>	<ul style="list-style-type: none"> • Please see below mentioned e-mail and attachment. • Notice of a basic assessment Application Reference DC14/12/16/3/3/1/932. SANRAL proposes the widening and upgrading of the existing N3 Toll Road from a four-lane dual carriageway to a six-lane dual carriageway between the Cedara interchange (N3-4km 1,6) and km 15,0 in the uMngeni area. • Will this have an impact on the proposed pipeline for the Midmar Water Works? 	<ul style="list-style-type: none"> • Noted. • Noted. • The EAP has requested to be registered as an I&AP for the SANRAL project and has requested more information so as to assess the impact that the projects will have on each other. The Municipality will be responded to as soon as the information has been received. This this will be reported on in the FBAR.
<p>Penny Rees, DUCT, 2 April 2013</p>	<ul style="list-style-type: none"> • Thank you for including DUCT on your IAP list. • Raw water pipeline: we assume this is from Midmar Dam to the Water Works. There are extensive wetlands between Midmar Dam and the Water Works and it would be preferable that these are avoided. • Mills Falls Sludge Treatment Plant / Outlet Works: this is situated on the east side of the indicated water works on the BID aerial photo, and lies between the water works and the river. Of concern will be any potential impacts from the construction and outlet as the river in this area is already impacted, and thus further impacts are to be avoided, particularly as stated in the BID, soil erosion. Care will have to be taken with any construction during the summer months as if Midmar Dam is overflowing, water levels in the river below the dam are raised and could contribute to erosion • Finally, Riverine habitat destruction should be avoided at all costs • Thank you for the opportunity to comment and we look forward to receiving further information. 	<ul style="list-style-type: none"> • Noted. • Yes that is correct. The preferred route for the pipeline will not follow the existing pipeline route which is adjacent to the Mgeni River and within the riparian corridor. Instead, it is proposed to take the shortest most direct route furthest from the Mgeni River and associated riparian corridor. • Noted. The EMPr will serve to protect the environment from unnecessary impacts caused from construction. However, the impacts are expected to be minimal at the Mill Falls Sludge Treatment Plant because there is only minor upgrade works to do within the existing footprint. • Noted and agreed. This is not expected to be a potential major impact for this development as the pipeline route is not proposed in the location of the river course apart from the start point, inlet at Midmar dam wall. • Noted.
<p>Michelle Nicol, Eskom, 11</p>	<ul style="list-style-type: none"> • We refer to the above mentioned application's documents. 	<ul style="list-style-type: none"> • Noted.

I&AP	COMMENT	RESPONSE
<p>March 2013</p>	<ul style="list-style-type: none"> • Please take note and ensure that the following is carried forward in your documents, that in respect of Eskom's powerlines, no encroachments are permitted within the following in respect of our servitudes: <ul style="list-style-type: none"> ➢ 132kV lines = 18 metres on either side of the centre line ➢ 88kV lines = 16 metres on either side of the centre line ➢ 33kV lines = 16 metres on either side of the centre line ➢ 22kV lines = 12 metres on either side of the centre line ➢ 11kV lines = 12 metres on either side of the centre line • Eskom's underground cables are usually laid 1 metre to 1.5 metres, when excavation is anticipated, ensure you check with our offices for cable positions. • Prior to the approval of the development, the owner shall lodge with the development Administration, for approval by the Minister, a certificate furnished by Eskom, the local municipality or other supplier of electricity for the benefit of the inhabitants of the development, to the effect that all substation servitudes required by it will be provided and have been depicted on the general plan. • Trees should not be planted within their horizontal falling distance of the power lines. • The roads crossing under the power lines may only cross in safe areas where, what is known as "broken conductor conditions" as defined in the Occupational Health & Safety Act 85 of 1993, are met. Generally, roads located within 10 m of wood poles are within legal safety requirements. This will be applicable to all property entrances adjoining existing roads. • The ground clearance, as prescribed by the law has to be maintained, the natural ground levels within the servitude area are therefore to be retained, and no soil, or any other material, may be stock piled within the servitude area. • Regarding the use of machinery, the operators are seldom informed as to the extreme danger of using equipment in close proximity to the live overhead conductors. No soil is to be disturbed, by any civil work, within a 3 m radius of any pole or stay wire. Where civil work is done outside of this radius the soil must be suitably sloped and protected so as not to cause erosion in or 	<ul style="list-style-type: none"> • Noted. This will be done. • Noted. This will be done. • Noted. This will be done. • Noted. This will be adhered to. • Noted. This will be done. • Noted. This will be done. • Noted. This will be done.

I&AP	COMMENT	RESPONSE
	<p>onto the 3 metre radius of undisturbed soil.</p> <ul style="list-style-type: none"> • Please note that the applicable building restrictions either side of any existing powerline must be adhered to when planning new buildings or developments on the property. • Please further take note that the costs of relocations of any of Eskom's infrastructure, will be for the account of the developer. • Applications can be lodged via Eskom's call centre on 086 003 7566. • Please further take note that if any 275kV, 400kV or 765 kV Lines are involved, you need to send a copy of the application to Eskom's transmission division at Megawatt Park. (I can supply details). 	<ul style="list-style-type: none"> • Noted. This will be done. • Noted. • Noted. • Noted.
<p>A. Mnyungula, DAFF, 8 March 2013</p>	<ul style="list-style-type: none"> • DAFF appreciates the opportunity to comment on the BID. • With regards to the document received on 7 March 2013, the Department requests that a Vegetation Specialist Report should be compiled and included in the Draft Basic assessment Report, for the whole area to assist in determining the extent that the development may have on the natural vegetation/natural forests or protected trees under the National Forests Act, 1998 (Act No. 84 of 1998), then further comments will be passed. • This letter does not exempt you from considering other environmental legislations. 	<ul style="list-style-type: none"> • Noted. • Noted. This has been done. The Specialist Studies are contained in Appendix D, and the impacts have been noted within the Report with appropriate mitigations developed and included in the Environmental Management Programme. • Noted.

1.4 Public Information Session

A Public Meeting was held onsite on Friday 21 June 2013, between 14:00 and 15:00 on site. Interested and Affected Parties were verbally presented with the information available on the project. The Project Team made themselves available to record and respond to any questions, comments or concerns raised by the I&APs in attendance.

The purpose of the Public Meeting was to:

- Provide information to I&APs regarding the proposed project;
- Present the major concerns raised to date regarding the proposed development; and
- Give I&APs an opportunity to raise any additional issues which they feel should be addressed during the Basic Assessment process.

Present at the meeting was the project team comprising:

- Rebecca Bowd – Environmental Assessment Practitioner (EAP) – Green Door Environmental; and
- Roxanne Oelofse – Scribe – Green Door Environmental.

A summary of the comments made and responses given are contained in Appendix E3.

COMMENTS RECEIVED AT THE PUBLIC MEETING, HELD ON 21 JUNE 2013, AND THE RESPONSES GIVEN BY THE RESPECTIVE PROJECT TEAM MEMBERS:

I&AP	COMMENT	RESPONSE
Marc Hattingh uMngeni Municipality	Does the upgrade include the construction of another plant?	No. Details of the upgrade are included in the handout and the BID.
Marc Hattingh uMngeni Municipality	Can you summarize what the upgrade will entail?	<p>Umgeni Water: The development proposal includes the following:</p> <ul style="list-style-type: none"> • Midmar Water Treatment Works upgrade; • Pump Station upgrade; • Raw water pipeline construction; and • Mills Fall Sludge Treatment Plant upgrade. <p>The expansion of the wastewater works was catered for in the initial expansion. The chemical storage building will be expanded (by a road width) to store 30 days worth of chlorine.</p>
Marc Hattingh uMngeni Municipality	In terms of infrastructure, does Eskom have the capacity to cater for the upgrade?	Yes.
Marc Hattingh uMngeni Municipality	And the waste generated?	At this stage we are waiting for confirmation for the National Department of Environmental Affairs on whether the waste is classified as hazardous or not.
Marc Hattingh uMngeni Municipality	There is concern about the proposed pipeline route and the N3 Highway.	Umgeni Water: Umgeni is still in the process of pipe checking. The pipeline route is much shorter than the existing route.
Marc Hattingh uMngeni Municipality	Umgeni Water need to make sure that the proposed pipeline does not interfere with any servitudes and infrastructure.	Noted.

Written Notification to Authorities

Copies of the Draft Basic Assessment have been circulated to the following I&AP's for review and comment for a period of 40 days:

- Dominique Weaners – Ezemvelo KZN Wildlife
- A. Mnyungula - Department of Agriculture Forestry and Fisheries
- Weziwe Tshabalala – Amafa Heritage KwaZulu-Natal
- Renelle Pillay – Department of Water Affairs
- Mandisa Khomo – Umgungundlovu District Municipality
- Marc Hattingh – uMngeni Local Municipality
- Roy Ryan – Department of Transport
- Casper Landman - SANRAL
- Mike Holliday - Transnet Ltd

A copy has also been made available for viewing at the Howick Library.

All registered I&APs have been notified of the availability of this Report and their opportunity to comment. I&APs have been given 40 days to comment on the Report.

