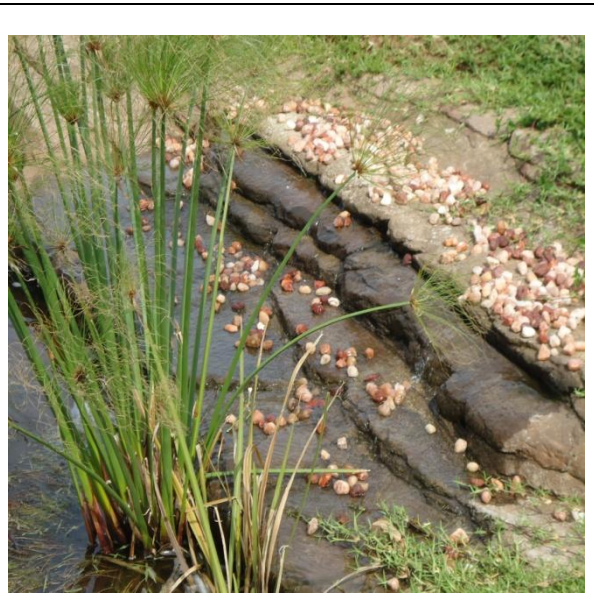
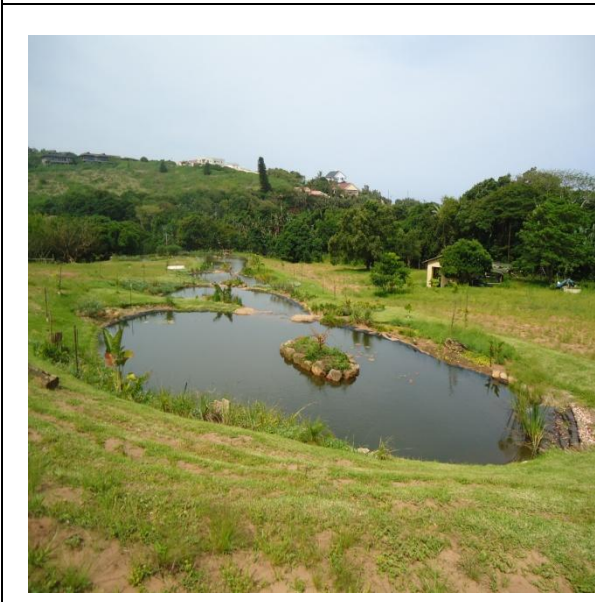


SITE PHOTOGRAPHS: 50B COLWYN DRIVE



Ornamental water feature

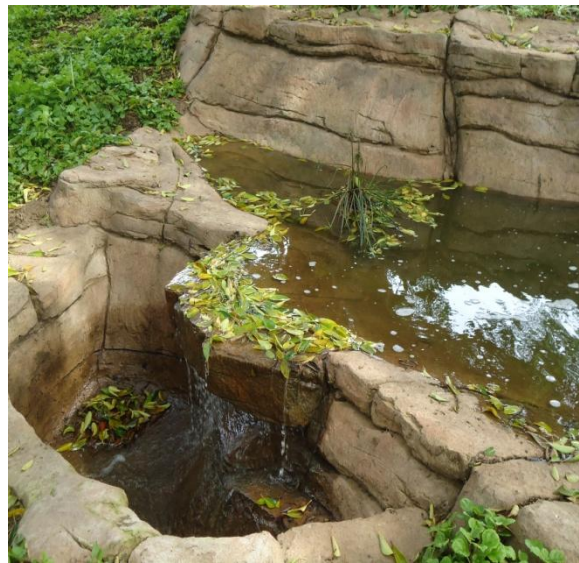
Ornamental water feature





Existing pumphouse to ensure recirculation of water

Lowest point of water feature



Collection and pumping towards the top end

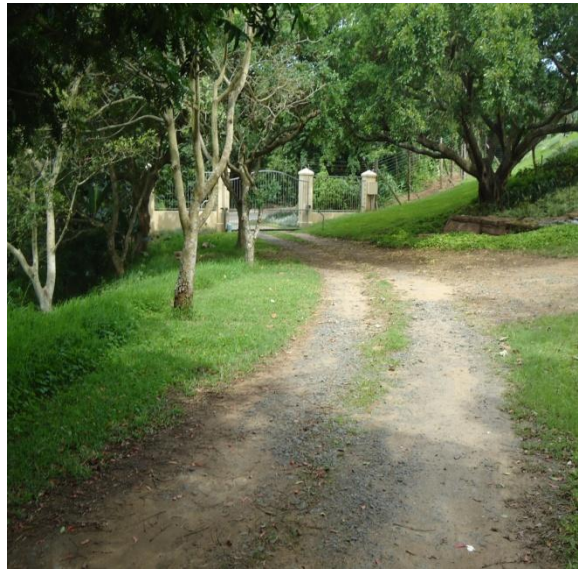
Overflow point on Northern side of the existing road



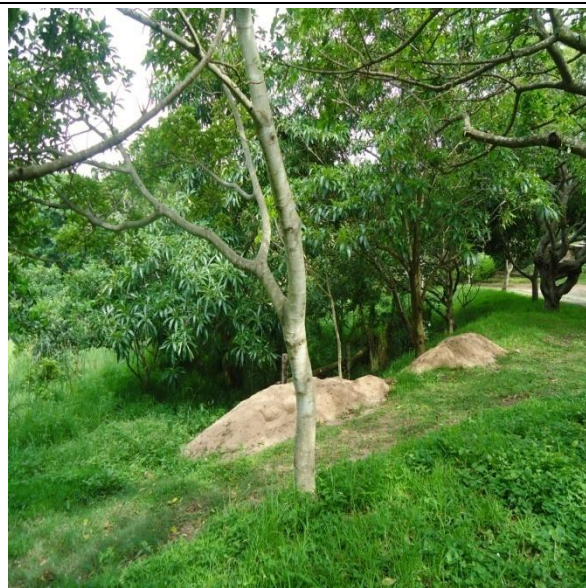
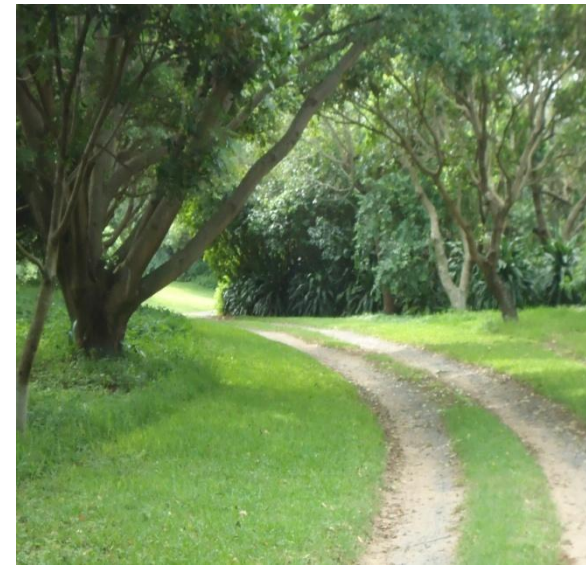
Site access from Colwyn Drive



Existing internal roads



Internal roads



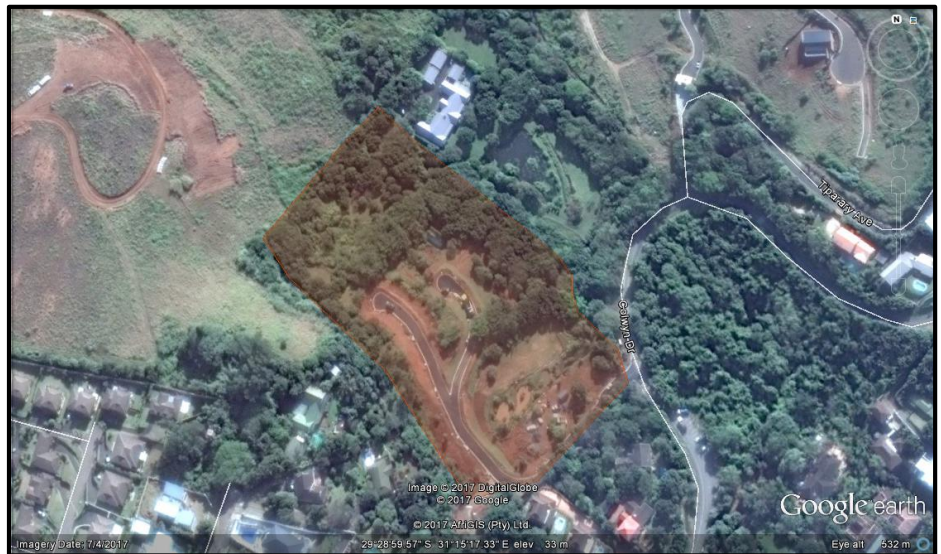
Wetland to the North of the access road with drainage towards the existing dam. Road visible in the right hand corner of the photographs.



Existing dam. Watercatchment is from the adjacent property and Tipperary road. Development will be situated to the West and South of the existing road and will be well outside the 32m buffer zone trigger.

Environmental Activity Assessment for the Enquiry to EDTEA for the Proposed Development at 50B Colwyn Drive, Kwa-Zulu Natal

A PROJECT FOR GRAHAM TRADING AND INVESTMENTS (PTY)



06 November 2017



DOCUMENT DESCRIPTION

Client / Applicant: Graham Trading and Investments (Pty) Ltd

Report name: Environmental Activity Assessment for the Enquiry to EDTEA for the Proposed Development at 50B Colwyn Drive, Kwa-Zulu Natal



Report type: Environmental Activity Assessment

Project name: 50B Colwyn Drive (Birdhaven)

Project number: E-BL01.160161

Version: Version 1

Compiled and Authorised by:

Compiled By:	Date	Signature
Bhavisthra Ramlagan <i>Junior Environmental Consultant</i>	03 November 2017 / Ballito	
Reviewed By:	Date	Signature
Arlene Singh <i>Environmental Consultant</i>	06 November 2017 / Ballito	
Reviewed & Authorised By:	Date	Signature
Chen Read <i>Senior Environmental Consultant</i>	06 November 2017 / Ballito	

COMPILED FOR:
Graham Trading and Investments (Pty)
 Mr. Mike Graham
 50B Colwyn Drive
 Tel: 032 525 9562

COMPILED BY:
Triplo 4 Sustainable Solutions (Pty) Ltd
 Address: Suite 5, The Circle
 Douglas Crowe Drive
 Ballito, 4420
 Telephone: +27 (0)32 9463213
 Facsimile: +27 (0)32 946 0826
 Email: hantie@triplo4.com
www.triplo4.com
 © Copyright 2017 Triplo4 Sustainable Solutions

TABLE OF CONTENTS

1	TERMS OF REFERENCE	4
2	ENVIRONMENTAL ASSESSMENT PRACTITIONER COMPETENCE / RELEVANT EXPERIENCE	4
3	SITE INFORMATION	5
3.1	Site Location	5
4	PROJECT INFORMATION	5
4.1	Project Background	5
4.2	Project Description	5
4.3	Specialist Studies	6
4.3.1	WETLAND DELINEATION	6
5	PROPOSED DEVELOPMENT	8
5.1	Proposed Development Layout	8
6	METHODOLOGY FOR IDENTIFICATION OF POTENTIAL LISTED ACTIVITIES	9
6	ACTIVITIES POTENTIALLY APPLICABLE TO THE NEW ACTIVITIES	9
6.1	EIA Regulations, 2014 (as amended)	9
6.1.1	LISTING NOTICE 1	9
6.1.2	LISTING NOTICE 2	10
6.1.3	LISTING NOTICE 3	10
7	FINDINGS AND RECOMMENDATIONS	10
7.1	Findings	10
7.2	Recommendation for Environmental Management	10
8	CONCLUSION	10
9	REQUEST TO DEDTEA	10

List of Appendices

Appendix 1: Initial Layout

Appendix 2: EDTEA Comment

Appendix 3: New, approved layout

Appendix 4: Activity Assessment

Appendix 5: Wetland Delineation and Functionality Assessment

Appendix 6: Environmental Management Programme

Appendix 7: Site Photographs

1 TERMS OF REFERENCE

Triplo4 Sustainable Solutions was requested by Mr. Mike Graham to conduct an environmental enquiry for submission to EDTEA regarding the need for an environmental authorisation (Basic Assessment and / or EIA) in terms of the EIA Regulations 2014 (as amended), for the proposed updated layout for the residential development at 50B Colwyn Drive.

2 ENVIRONMENTAL ASSESSMENT PRACTITIONER COMPETENCE / RELEVANT EXPERIENCE

The Managing Director, Hantie Plomp has a Master's Degree in Environmental Management and has been professionally registered with the South African Council for Natural Scientific Professions (SACNASP) since 2001. She is also an accredited professional (AP) with the Green Building Council of South Africa (GBCSA). Hantie previously worked at Royal HaskoningDHV previously known as SSI Engineers & Environmental Consultants where she established the environmental sector within KZN and was the Regional Environmental Manager for 5 years. Prior to this she was at AngloGold Ashanti for 19 years where she headed up the Environmental Systems Section comprising EMS, Audits and Environmental Assessments within the Environmental Management Department and acted as Head of the Environmental Management Department on a number of occasions. She was an Alternate Director at Midvaal Water Company. She was also part of the project team that investigated water treatment options for contaminated mine water. Her employment with the production and consulting companies provided extensive experience in a broad range of environmental aspects, including but not limited to legal compliance and internal systems audits, waste management, water management and the management and execution of environmental authorisations. Her extensive environmental management experience of more than 15 years in a number of environmental areas enables the company to provide a wide range of environmental consulting services to both the private and public sectors.

Triplo4 has gained experience on a wide spectrum of projects, spanning from Greenfield Mixed Use developments to industrial (e.g. mining), hazardous waste management operational facilities and linear developments (pipelines, roads, bridges). We have a balanced approach and view on development and operations, understanding not only the need for environmental management, but also the requirements for socio-economic development. It is recognised that socio-economic development may require environmental compromises or trade-offs, which we are comfortable to assist the Client in finding, as long as these are done responsibly and within the legislative frameworks.

Triplo4 is registered with the Green Building Council of South Africa (GBCSA) with the Project Director, Hantie Plomp a GBCSA accredited professional (AP). This will allow us to provide expertise and sustainability measures on Energy (Lighting, Heating & Cooling); Water; Stormwater; Waste; Biodiversity & Materials relevant to the project. Furthermore, Triplo4 subscribes to various Codes of Ethics e.g. the International Association for Impact Assessment, the Institute for Waste Management South Africa and the Institute of Directors of South Africa (IODSA).

Triplo4 have extensive experience in infrastructure developments. Environmental aspects relating to these developments include:

- Environmental Motivations and Enquiries;
- Basic Assessments (BA) and Environmental Impact Assessments (EIA) in terms of NEMA;
- Waste Management License (WML);
- Applications for Waste Water Treatment in terms of NEMWA;

- Water Use Licenses (WUL) for development within wetlands;
- Environmental Amendments to existing Authorisations;
- S24G Applications for unlawful activities; and
- Environmental Audits.**site information**

2.1 Site Location

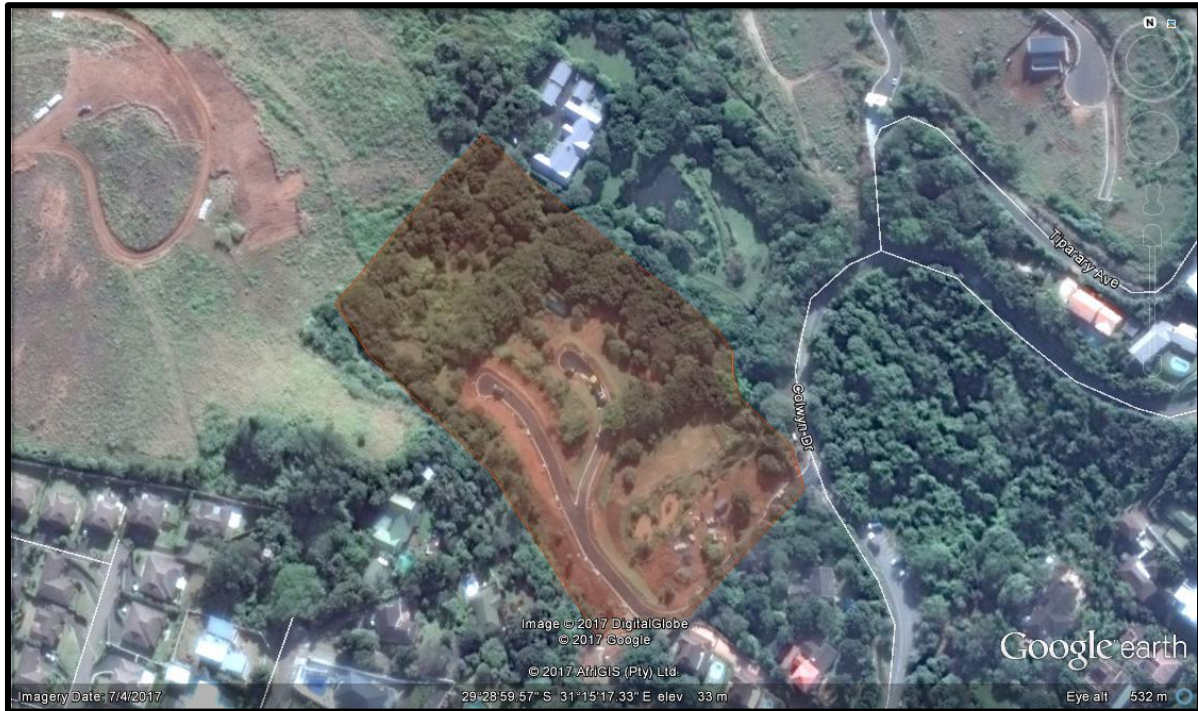


Figure 1: Google Image depicting the area of the location for the residential development

3 PROJECT INFORMATION

3.1 Project Background

In 2013, a previous enquiry was submitted to EDTEA and response (Ref no: DC29/Q0041/2013-Appendix 2) received indicating that an EA will not be required for the development. However, since then there has been an amendment to the map that had been initially approved by EDTEA (Attached at Appendix 1- Initial Layout), hence a second enquiry is now being submitted. Furthermore comments were received from Mr Malcolm Moses of EDTEA on 05 August of 2013 stipulating that no further Environmental Assessment is required (Please refer to Appendix 2- EDTEA comment). The initial map submitted (Appendix 1) is produced as a CGI image onto a Google Earth Overlay. The new map appended as Appendix 3 is professionally conducted by the surveyor and planner. This layout has been approved by Council. Due to there being no change in the actual layout or the footprint of the initial map other than the visual depiction of the property it is thus anticipated that the new map will not trigger an EA as per the initial enquiry. No scope changes have taken place within the new updated map. A general authorisation for their water use licence was issued on 17th August 2017 with the reference number: 16/2/7/U403/A2. The client is already in possession of an EMPr, compiled by Triplo4, and has been utilising it thus far. The client wishes to confirm with EDTEA that the visually different representation of the approved map will not induce any new environmental requirements.

3.2 Project Description

With regards to this development, as per the previous enquiry, the existing landowner proposes a subdivision to enable the low density development on the property. Approximately 18 opportunities are

proposed with each opportunity comprising of an area of approximately 900-1500m². Please find attached the updated professionally drawn map attached as Appendix 3.

3.3 Specialist Studies

3.3.1 Wetland Delineation

An independent Wetland Delineation was conducted by an Independent Specialist, Clayton Cook in December 2013. The following is a summary of the findings:

Wetland Status:

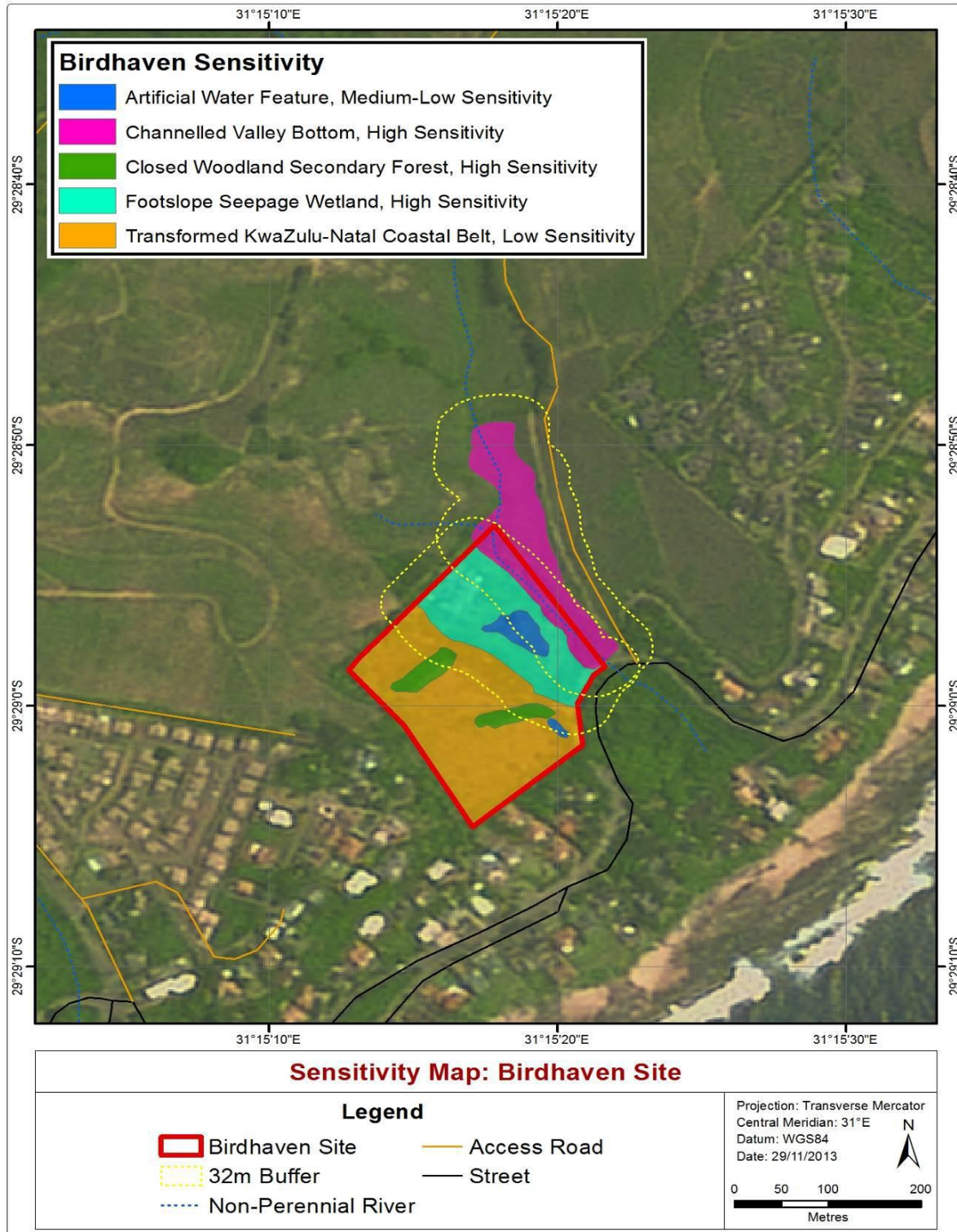


Figure 2: Wetland delineation map of the Birdhaven Estate site.

The proposed Birdhaven Estate site is situated adjacent to a seasonally inundated foot slope seepage wetland which feeds into a channelled valley bottom wetland or perennial stream on and outside the north-eastern boundary of the site which has an important hydrological as well as ecological function. No developments must be allowed within the valley bottom wetland and adjacent foot slope seepage wetlands as well as the 30 m buffer zone situated from the outer edge of the temporary wet zone. This has been accounted for within the previous enquiry submitted as well as the updated layout appended

(Appendix 3). The existing access road follows the edge of the riparian zone and should be used for a fixed boundary for the implementation of the 30m buffer zone. The 32m buffer zone was delineated to indicate the requirements as per DAEA (see wetland delineation Map above as Figure 2). All alien invasive vegetation should be removed from the wetland areas as well as the 30 m buffer zones. No further dams should be created along the valley bottom. The valley bottom wetland and moist foot slope seepage wetland/grasslands and closed wooded riparian communities also have high ecological value as they form habitats for faunal elements such as mammals (Cape Clawless Otter and Water Mongoose) birds, amphibians and insects.

The remnant pockets of indigenous woodland situated on the upper hillslopes on the western portion of the site offer suitable habitat for several red listed faunal species including several bird species such as Spotted Ground Thrush, Wattled-Eyed Flycatcher as well as threatened frog species such as the Spotted Shovel-nosed Frog and should be considered as a sensitive habitat with high conservation potential. As per the approved layout, this area has been demarcated a woodland area, and no construction will take place.

4 PROPOSED DEVELOPMENT

4.1 Proposed Development Layout

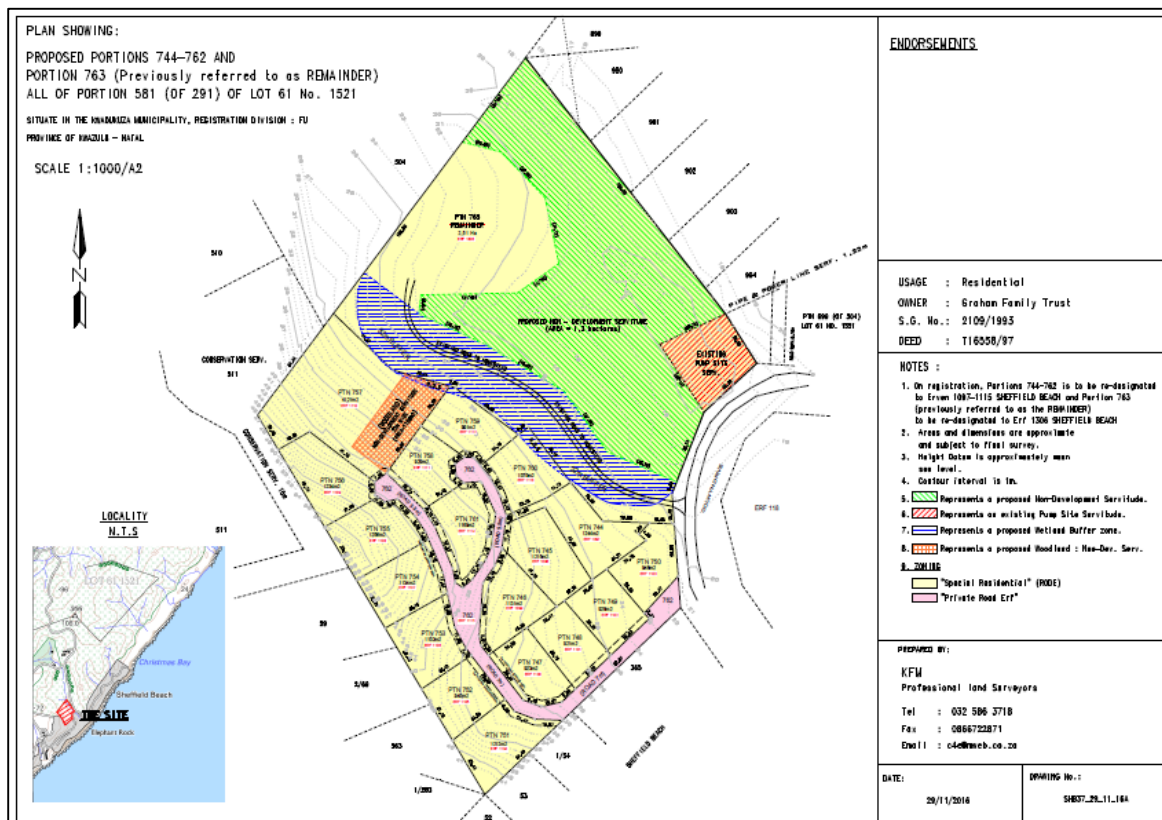


Figure 3. Updated Professional Rendering of the 50B Colwyn Drive Residential Development

5 METHODOLOGY FOR IDENTIFICATION OF POTENTIAL LISTED ACTIVITIES

Based on the findings of the Specialist Studies, the previous enquiry submitted to EDTEA and communication received on the 05 August 2013, as well as scan of relevant environmental legislations, it deemed that the way forward is to compile and submit an enquiry to the Department.

In order to assess the requirement for an environmental authorization in terms of the NEMA EIA Regulations 2014 (as amended) (Basic Assessment and / or Environmental Impact Assessment), the following methodology was applied:

- The required specialist studies were conducted to identify sensitive environments and ensure the identification of significant aspects on site;
- The proposed development and specialist reports with recommendations were reviewed.
- The listed activities as per EIA Regulations, 2014 (as amended) and were scrutinized for applicability based on the site specific environmental conditions as well as the existing and planned scope of activities
- The Environmental Assessment Practitioner will submit a copy of the environmental activity assessment with the enquiry as per Departmental format to EDTEA's Mr. Malcolm Moses for comment.

6 ACTIVITIES POTENTIALLY APPLICABLE TO THE NEW ACTIVITIES

The following infrastructure and activities were further assessed for applicability:

6.1 EIA Regulations, 2014 (as amended)

6.1.1 Listing Notice 1

Activity	Description	Comments
12	<p><i>The development of—</i></p> <p><i>(ix) buildings exceeding 100 square metres in size;</i></p> <p><i>where such development occurs—</i></p> <p><i>(c) if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse;</i></p> <p><i>excluding:</i></p> <p><i>(dd) where such development occurs within an urban area;</i></p>	<p>The proposed residential development occurs within a built up edge (urban area).</p> <p>This activity is not deemed applicable.</p>
19	<p><i>The infilling or depositing of any material of more than 10 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10 cubic metres from a watercourse</i></p>	<p>No development will be occurring within the wetlands.</p> <p>This activity is not deemed applicable.</p>

6.1.2 Listing Notice 2

No activities relevant to listing notice 2 were identified

6.1.3 Listing Notice 3

No activities relevant to listing notice 3 were identified

This is as a result of the development occurring within a developed area. The site has undergone rapid urban transformation. The threat level posed by the proposed development is considered low and there will be little disruption in terms of ecosystem functioning.

7 FINDINGS AND RECOMMENDATIONS

7.1 Findings

Based on the history of this current activity, no listed activities requiring a BA or EIA according to the EIA Regulations 2014 (as amended) could be identified; the activity is deemed lawful and may continue its current operations without environmental authorisation or amendments to its current operations.

Should any aspect of the scope of the project as evaluated be amended, a re-assessment of the applicability of the listed activities will be required.

7.2 Recommendation for Environmental Management

In order to ensure compliance with S28 of The National Environmental Management Act (NEMA) "The Duty of Care", it is recommended that an EMPr (Environmental Management Programme) be developed to ensure that potential environmental aspects and impacts be managed and / or mitigated for the current activities of the facility.

This includes, but not be limited, to the following environmental aspects: legal requirements with a focus on sanitation, spillages, water management, energy conservation, and waste management (general and hazardous) during the operational phase of the existing facility. The client has complied with point 10 of the comments received from the EDTEA on the 05 August 2013 in terms of the provisions for Duty of Care and are already in possession of an EMPr, compiled by Triplo4. Please find attached as Appendix 6.

8 CONCLUSION

It is our opinion that no Environmental Authorization in terms of the EIA Regulations, 2014 (as amended), is required for the construction of the updated professional layout of the 50B Colwyn Drive Development, based on the location, ecological status, and proposed development parameters.

Potential negative environmental aspects during the planning, construction and operational phases can be identified and prevented or mitigated by developing and implementing the EMPr for the proposed development.

9 REQUEST TO DEDTEA

We hereby respectfully request the Department of Economic Development, Tourism and Environmental Affairs to:

- confirm or correct the understanding regarding the conclusion that no listed activities are triggered for the updated layout in terms of NEMA; or

- specify any other activities relevant to the proposed development, should these have been overlooked; and
- indicate the environmental legislative requirements, if any, for the proposed development, based on the information provided and / or any other information of relevance

Your favourable consideration and response will be greatly appreciated.

Yours faithfully



Chen Read

Senior Environmental Consultant

Triplo 4 Sustainable Solutions Pty Ltd

Initial layout Submitted to EDTEA



N.T.S.

© 2013 AirGIS (Pty) Ltd.
© 2013 Google
DigitalGlobe
Elev 27 m

BIRD HAVEN ESTATE SHEFFIELD BEACH DURBAN

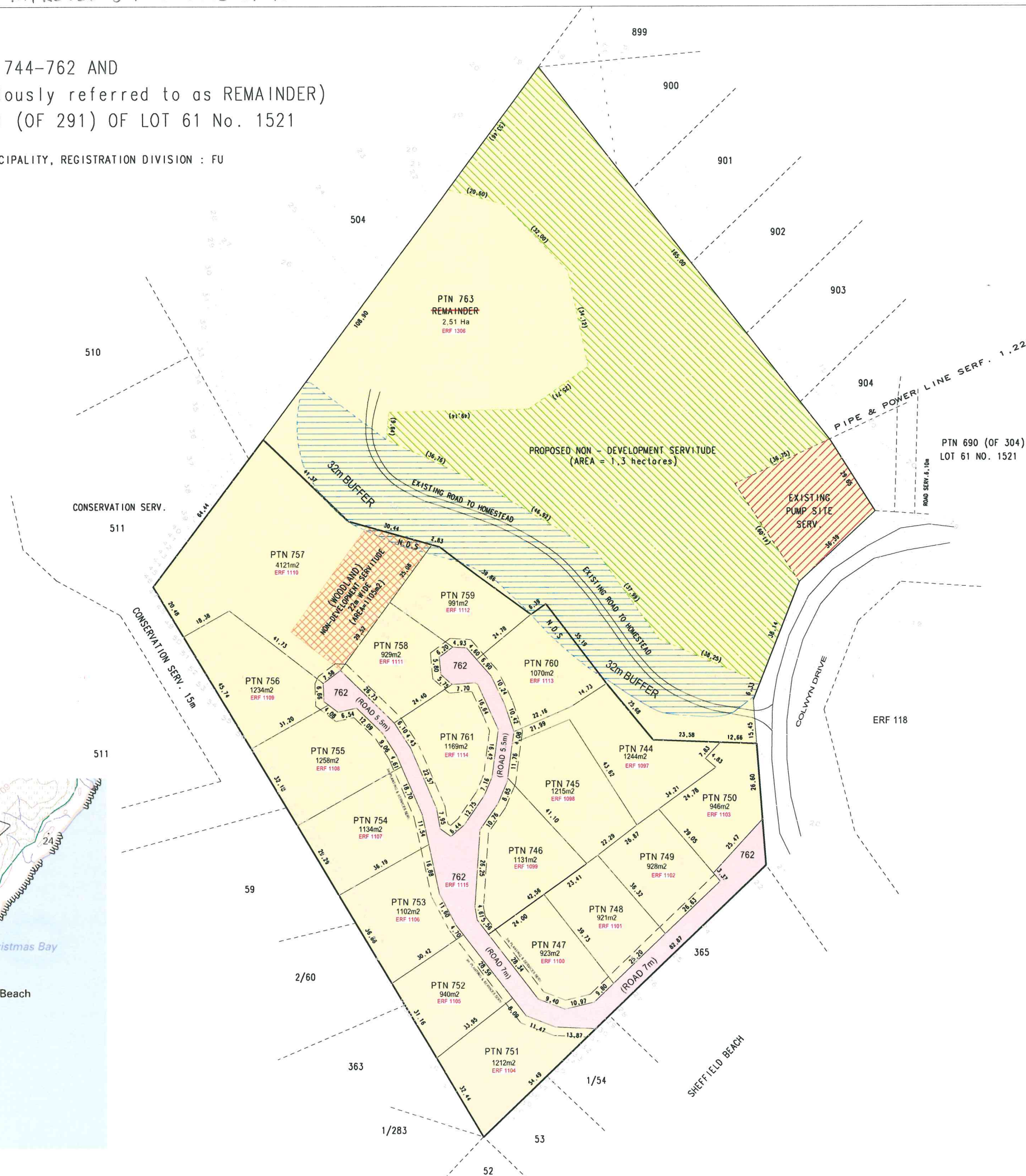
DRW 0612 Siva M. SCALE
SKETCH PLANS REV. 15/03/13 N.T.S.
email: billellens@iafrica.com tel: 031-207-4958 fax: 031-207-4958 address: 20 hammersmith avenue musgrave durban : south africa

PLAN SHOWING:

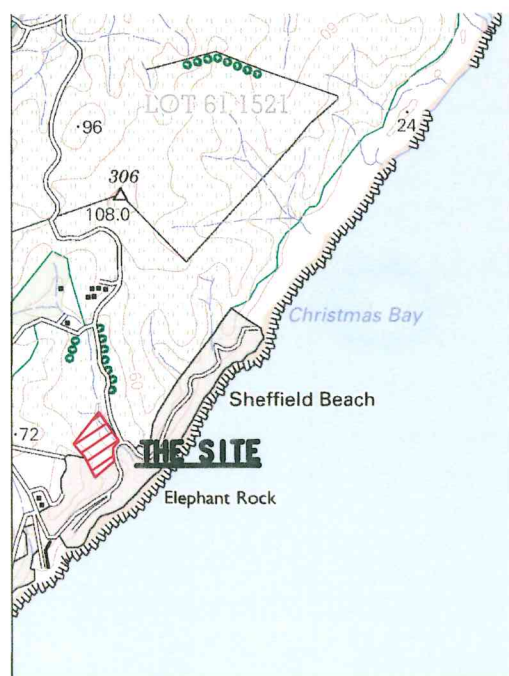
PROPOSED PORTIONS 744-762 AND
 PORTION 763 (Previously referred to as REMAINDER)
 ALL OF PORTION 581 (OF 291) OF LOT 61 No. 1521

SITUATE IN THE KWADUKUZA MUNICIPALITY, REGISTRATION DIVISION : FU
 PROVINCE OF KWAZULU - NATAL

SCALE 1:1000/A2



LOCALITY
 N.T.S



ENDORSEMENTS

USAGE : Residential
 OWNER : Graham Family Trust
 S.G. No.: 2109/1993
 DEED : T16558/97

NOTES :

1. On registration, Portions 744-762 is to be re-designated to Erven 1097-1115 SHEFFIELD BEACH and Portion 763 (previously referred to as the REMAINDER) to be re-designated to Erf 1306 SHEFFIELD BEACH
2. Areas and dimensions are approximate and subject to final survey.
3. Height Datum is approximately mean sea level.
4. Contour interval is 1m.
5. Represents a proposed Non-Development Servitude.
6. Represents an existing Pump Site Servitude.
7. Represents a proposed Wetland Buffer zone.
8. Represents a proposed Woodland : Non-Dev. Serv.

9. ZONING

- "Special Residential" (RODE)
- "Private Road Erf"

PREPARED BY:

KFM
 Professional land Surveyors

Tel : 032 586 3718
 Fax : 0866722871
 Email : c4e@mweb.co.za

DATE:

29/11/2016

DRAWING No.:

SHB37_29_11_16A