



Lokisa Environmental Consulting CC
72 Herbert Baker Street
Groenkloof,
Pretoria,
0181

Phone (012) 346 7655
Fax (012) 346 6074
Cell 082 493 9616

FINAL BASIC ASSESSMENT REPORT FOR

FOR

PROPOSED TELECOMMUNICATION MAST – KZN02 BAYVIEW STATION

(PORTION 1939 OF ERF 104 CHATSWORTH)

REF NR: LOK2017/011

PREPARED FOR:

CommCo Holdings (Pty) Ltd
P.O. Box 2506
Saxonwold
2132

Tel: 010 595 8569

PREPARED BY:

Lokisa Environmental Consulting CC
P.O. Box 219
Groenkloof,
0027

Tel: 012 346 7655
Fax: 012 346 6074

Date: March 2018

Enq: Elaine Minnaar

INFORMATION SHEET

Contact Person:

Elaine Minnaar
Lokisa Environmental Consulting CC
P.O. Box 219
Groenkloof
0027

Tel: 012 346 7655
Fax: 012 346 6074
Cell: 082 493 9616

B(TRP) (Pretoria), Environmental Management (NWU), Waste Management (NWU),
Environmental Law (NWU), Implementing Environmental Management Systems
(SABS/ISO 14001) (NWU)

Author Details:

1.1 Researched and Compiled By:

Elaine Minnaar
Lokisa Environmental Consulting CC
P.O. Box 219
Groenkloof
0027

Tel: 012 346 7655
Fax: 012 346 6074
Cell: 082 493 9616

Qualifications

Elaine Minnaar

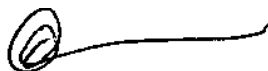
B(TRP) (Pretoria),
Environmental Management (NWU),
Waste Management (NWU),
Environmental Law (NWU),
Implementing Environmental Management Systems (SABS/ISO 14001) (NWU)

1.2 Professional Affiliation

International Association for Impact Assessment (IAIA)

1.3 Verification Statement

I, Elaine Minnaar (6904260204083) declare under oath that of –
The correctness of the information provided in the reports;
The inclusion of comments and inputs from stakeholders and I&AP's;
The inclusion of inputs and recommendations from the specialist reports where relevant;
Any information provided by the EAP to interested and affected parties and any responses by
the EAP to comments or inputs by interested and affected parties.



Signature

March 2018
Date

Executive Summary

Introduction

CommCo Holdings (Pty) Ltd appointed Lokisa Environmental Consulting CC to obtain authorisation from the KwaZulu-Natal Department of Economic Development, Tourism and Environmental Affairs (KZN EDTEA) for the proposed development of a telecommunication mast on Portion 1939 of Erf 104 Chatsworth within the jurisdiction of eThekweni Municipality.

Project Description

The project entails the construction of a 30m Monopole Mast within the footprint size of a 12m x 6m area and a support container. The site is to accommodate three service providers.

Regulatory Environmental Requirements

KZN EDTEA is the lead authority carrying out the authorisation process in accordance with the National Environmental Management Act (Act No. 107 of 1998, "NEMA") (as amended).

The EIA process, applicable to this application, is determined by the Amendments to the Environmental Impact Assessment Regulations, 2014, published in Government Notice R326 in Government Gazette No 40772 of 7 April 2017 promulgated under Chapter 5 of the National Environmental Management Act, 1998 (Act No. 107 of 1998).

The EIA regulations inter alia describe the procedure for EIA and provide a description of activities that would require authorisation through either 1) a Basic Assessment (in terms of Government Notices R327 and R324 of 2017) or 2) Scoping and Environmental Impact Assessment (in terms of Government Notice R325 of 2017).

The activities associated with the proposed development fall within GN R324. The Basic Assessment (BA) procedure will apply to this application.

Basic Assessment Report

The required Basic Assessment (BA) process which is being conducted in 3 phases namely:

Phase 1: Project inception;

Phase 2: Basic Assessment and Environmental Management Programme; and

Phase 3: Authority review and response.

The report provides a description of the activity, description of property and location and a description of environment, legislation, need and desirability, significant impacts and management as well as mitigation.

Alternatives

The following design Alternatives in addition to the No-go alternative were evaluated: Alternative 1: 30m Monopole Mast and Alternative 2: 30m Lattice Mast.

Should the no-go option be followed, cellular coverage will remain the same or even deteriorate in the area. It might only shift the development activity to a different location, where there could be a greater loss of sensitive features. The no-go alternative will entail leaving the site in its present state.

Public Participation

Lokisa Environmental Consulting CC conducted the Public Participation Process (PPP) for the proposed telecommunication mast development. During the Public Participation, it was noted that engaging stakeholders even before developments are built could achieve the best impacts. It is for this reason that the PPP that forms part of the EIA becomes the basis for stakeholder engagement process.

For the PPP, the aim was to ensure that the full range of stakeholders was informed about the development throughout the period in question. In order to achieve this, a number of key activities have taken place and will continue to take place.

Environmental Impact Assessment

The impacts of the project activities were determined by identifying the environmental aspects and then undertaking an environmental risk assessment to determine the significant environmental aspects.

The environmental impact assessment has considered all phases of the project, namely, construction and operational phases. Should the site however be developed for the purpose as per the BAR, being that for telecommunication mast purposes, it seems unlikely that decommission will be required at a later stage.

The rating system used is applied to the potential impact on the receiving environment and includes an objective evaluation of the mitigation of the impact. During the EIA, the impact of the proposed

development on the biophysical and socio-economic environment was assessed. It was this assessment that allowed the EAP to make an informed analysis and provide an opinion on the proposed development.

Conclusion

In line with the requirements of the NEMA EIA Regulations (2014) (as amended 2017), this report provides, an explanation of the activities undertaken during the BA process and information on PPP was also provided. Importantly the report addresses the impacts identified that were anticipated for the development, as well as providing mitigation measures to ensure for the environmentally sustainable development of the development.

Should the proposed mitigation measures be implemented correctly, the proposed telecommunications development will be a viable development. The findings conclude that there are no significant environmental fatal flaws that could prevent the proposed development to proceed, provided that the mitigation and management measures contained on the EMPr are implemented.

Table of Contents

1	INTRODUCTION	1
2	NEED AND DESIRABILITY	2
3	APPROACH TO THE EIA STUDIES – TERMS OF REFERENCE	3
3.1	<i>Legal Framework for EIA</i>	3
3.2	<i>The Basic Assessment Process</i>	4
3.3	<i>Public Participation Process</i>	4
3.4	<i>Role of Interested & Affected Parties (I&AP's)</i>	4
3.5	<i>Specialist Studies</i>	5
3.6	<i>Assessment of the Significance of Impacts</i>	5
3.7	<i>Mitigation measures and recommendations</i>	6
3.8	<i>Environmental Management Programme</i>	6
3.9	<i>Environmental Authorisation and Appeals Process</i>	6
4	DETAILS OF THE ENVIRONMENTAL ASSESSMENT PRACTITIONER	7
5	ASSUMPTIONS AND GAPS IN KNOWLEDGE	8
6	LEGAL REQUIREMENTS	8
6.1	<i>The Constitution of South Africa</i>	9
6.2	<i>National Environmental Management Act (No 107 of 1998)</i>	9
6.3	<i>EIA Regulations</i>	10
6.4	<i>National Water Act (No 36 of 1998)</i>	11
6.5	<i>National Aviation Act (No. 74 of 1962)</i>	12
6.6	<i>National Heritage Resources Act (No 25 of 1999)</i>	12
6.7	<i>National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008)(NEM:WA)</i>	13
6.8	<i>Model Noise Regulations published under the Environment Conservation Act (Act No 73 of 1989)</i>	14
6.9	<i>National Health Act (Act No 63 of 1977)</i>	14
6.10	<i>Occupational Health and Safety Act (Act No. 85 of 1993)</i>	14
6.11	<i>National Building Regulations and Building Standards Act, 1997 (Act No. 103 of 1997)</i>	14
6.12	<i>Electronic Communications Act, 20015 (Act No 36 of 2005)</i>	15
6.13	<i>National Development Plan 2030</i>	15
7	PROJECT DESCRIPTION	16
7.1	<i>Location of the activity</i>	16
7.2	<i>Description of the site</i>	17
7.3	<i>Surrounding Land Uses</i>	19

7.4	<i>Nature of the development</i>	20
8	PROJECT ALTERNATIVES	22
8.1	<i>Location alternative</i>	23
8.2	<i>Type of activity alternatives</i>	23
8.3	<i>Design / Layout alternatives</i>	23
8.3.1	Alternative 1.....	24
8.3.2	Alternative 2.....	24
8.4	<i>Technology alternatives</i>	24
8.5	<i>Operational alternatives</i>	24
8.6	<i>No-go option</i>	24
9	PUBLIC PARTICIPATION PROCESS	24
9.1	<i>Aims of the Public Participation Process</i>	24
9.2	<i>Identification of Interested and Affected Parties</i>	25
9.3	<i>Procedure by which I&APs were afforded the opportunity to participate</i>	25
9.4	<i>Authority Consultation</i>	26
9.5	<i>Issues raised by interested and affected parties</i>	26
9.6	<i>Final Basic Assessment Report</i>	31
10	GENERAL DESCRIPTION OF THE STUDY AREA	32
10.1	<i>Soils and Geology</i>	32
10.2	<i>Climate</i>	32
10.3	<i>Vegetation</i>	32
10.4	<i>Hydrology</i>	33
10.5	<i>Cultural and social features</i>	33
11	ENVIRONMENTAL IMPACT ASSESSMENT	34
11.1	<i>Methodology</i>	34
11.2	<i>Impacts that may result from the construction and operational phase</i>	38
11.3	<i>Cumulative impacts associated with the Construction and Operation phases of the proposed development</i>	52
11.4	<i>Gaps in knowledge or assumptions made in the assessment</i>	52
11.5	<i>Overall summary and reasons for selecting the proposal</i>	52
12	ENVIRONMENTAL IMPACT STATEMENT	52
12.1	<i>Recommendation from Environmental Assessment Practitioner</i>	54
12.2	<i>Environmental Management Programme</i>	54
13	REFERENCES	55

List of Tables

TABLE 1: LISTED ACTIVITIES TRIGGERED BY THE PROPOSED DEVELOPMENT	3
TABLE 2: COMMENT FROM I&APS	26
TABLE 3: METHODOLOGY	34
TABLE 4: METHOD USED TO DETERMINE THE CONSEQUENCE SCORE.....	35
TABLE 5: METHOD USED TO DETERMINE PROBABILITY	35
TABLE 6: IMPACT SIGNIFICANCE RATING	36
TABLE 7: IMPACT STATUS AND CONFIDENCE CLASSIFICATION	36
TABLE 8: POTENTIAL IMPACTS FOR ALTERNATIVE 1 DURING THE CONSTRUCTION AND OPERATIONAL PHASE.....	38
TABLE 9: POTENTIAL IMPACTS FOR ALTERNATIVE 2 DURING THE CONSTRUCTION AND OPERATIONAL PHASES	40
TABLE 10: IMPACT SIGNIFICANCE RATING FOR ALTERNATIVE 1 FOR THE CONSTRUCTION AND OPERATIONAL PHASE	41

List of Figures

FIGURE 1: LOCALITY MAP	2
FIGURE 2: LOCALITY OF THE SITE	17
FIGURE 3: SITE PLAN	18
FIGURE 4: PHOTO OF THE SITE.....	19
FIGURE 5: PROPOSED SITE AND IMMEDIATE SURROUNDS.....	20
FIGURE 6: TOP VIEW	21
FIGURE 7: LAYOUT PLAN	22
FIGURE 8: A VIEW OF THE SITE	33
FIGURE 9: MITIGATE VISUAL IMPACTS.....	48
FIGURE 10: VISUAL IMPACTS 2.....	49
FIGURE 11: MITIGATE VISUAL IMPACTS 3.....	49

List of Annexures

Appendix A: Locality & Site plan(s)

Appendix B: Photographs

Appendix C: Facility illustration(s)

Appendix D: Public participation information

Appendix 1 – Proof of site notice

Appendix 2 – Written notices issued to I&APs and Stakeholders

Appendix 3 – Proof of newspaper advertisements

Appendix 4 – Communications to and from I&APs and Stakeholders

Appendix 5 – Comments and Responses Report

Appendix 6– Copy of the register of I&APs

Appendix 7 – Civil Aviation Authority

Appendix 8 – Other

Appendix E: EMPr

Appendix F: Other

Appendix G: Curriculum Vitae

Definitions

Activity (Development)	An action either planned or existing that may result in environmental impacts through pollution or resource use. For the purpose of this report, the terms 'activity' and 'development' are freely interchanged.
Alternatives	Different means of meeting the general purpose and requirements of the activity, which may include site or location alternatives; alternatives to the type of activity being undertaken; the design or layout of the activity; the technology to be used in the activity and the operational aspects of the activity.
Applicant	The project proponent or developer responsible for submitting an environmental application to the relevant environmental authority for environmental authorisation.
Biodiversity	The diversity of animals, plants and other organisms found within and between ecosystems, habitats, and the ecological complexes.
Construction	The building, erection or establishment of a facility, structure or infrastructure that is necessary for the undertaking of a listed or specified activity but excludes any modification, alteration or expansion of such a facility, structure or infrastructure and excluding the reconstruction of the same facility in the same location, with the same capacity and footprint.

Cumulative Impact	The impact of an activity that in itself may not be significant but may become significant when added to the existing and potential impacts eventuating from similar or diverse activities or undertakings in the area.
Decommissioning Derelict Land	The demolition of a building, facility, structure or infrastructure. means abandoned land or property where the lawful/legal land use right has not been exercised during the preceding ten year period (Regulation R326 of NEMA, 1998 (Act No. 107 of 1998));
Direct Impact	Impacts that are caused directly by the activity and generally occur at the same time and at the same place of the activity. These impacts are usually associated with the construction, operation or maintenance of an activity and are generally quantifiable.
Ecosystem	A dynamic system of plant, animal (including humans) and micro-organism communities and their non-living physical environment interacting as a functional unit. The basic structural unit of the biosphere, ecosystems are characterised by interdependent interaction between the component species and their physical surroundings. Each ecosystem occupies a space in which macro-scale conditions and interactions are relatively homogenous
Environment	In terms of the National Environmental Management Act (NEMA) (No 107 of 1998)(as amended), "Environment" means the surroundings within which humans exist and that are made up of: a) the land, water and atmosphere of the earth; b) micro-organisms, plants and animal life; c) any part or combination of (i) of (ii) and the interrelationships among and between them; and d) the physical, chemical, aesthetic and cultural properties and conditions of the foregoing that influence human health and wellbeing.
Environmental Assessment	The generic term for all forms of environmental assessment for projects, plans, programmes or policies and includes methodologies or tools such as environmental impact assessments, strategic environmental assessments and risk assessments.
Environmental Authorisation	An authorisation issued by the competent authority in respect of a listed activity, or an activity which takes place within a sensitive environment.
Environmental Assessment Practitioner (EAP)	The individual responsible for planning, management and coordination of environmental impact assessments, strategic environmental assessments, environmental management programmes or any other appropriate environmental instrument introduced through the EIA Regulations.
Environmental Management	Ensuring that environmental concerns are included in all stages of development, so that development is sustainable and does not exceed the carrying capacity of the environment.
Environmental Management Programme (EMPr)	A detailed plan of action prepared to ensure that recommendations for enhancing or ensuring positive impacts and limiting or preventing negative environmental impacts are implemented during the life cycle of a project. This EMPr focuses on the construction phase, operation (maintenance) phase and decommissioning phase of the proposed project.
Environmental Impact	Change to the environment (biophysical, social and/ or economic), whether adverse or beneficial, wholly or partially, resulting from an organisation's activities, products or services.

Environmental Issue	A concern raised by a stakeholder, interested or affected parties about an existing or perceived environmental impact of an activity.
Fatal Flaw	Issue or conflict (real or perceived) that could result in developments being rejected or stopped. In the context of an environmental impact assessment a fatal flaw can be termed as an environmental issue that cannot be mitigated by any means
General Waste	Household water, construction rubble, garden waste and certain dry industrial and commercial waste, which does not pose an immediate threat to man or the environment.
Groundwater	Water in the ground that is in the zone of saturation from which wells, springs, and groundwater run-off are supplied.
Hazardous Waste	Waste that may cause ill health or increase mortality in humans, flora and fauna.
Hydrology	The science encompassing the behaviour of water as it occurs in the atmosphere, on the surface of the ground, and underground.
Important Areas	Sites that are important for the conservation of biodiversity in Gauteng; (Gauteng C-Plan Version 3)
Indirect Impacts	Indirect or induced changes that may occur as a result of the activity. These types of impacts include all of the potential impacts that do not manifest immediately when the activity is undertaken or which occur at a different place as a result of the activity.
Integrated Environmental Management	A philosophy that prescribes a code of practice for ensuring that environmental considerations are fully integrated into all stages of the development and decision making process. The IEM philosophy (and principles) is interpreted as applying to the planning, assessment, implementation and management of any proposal (project, plan, programme or policy) or activity - at local, national and international level – that has a potentially significant effect on the environment. Implementation of this philosophy relies on the selection and application of appropriate tools for a particular proposal or activity. These may include environmental assessment tools (such as strategic environmental assessment and risk assessment), environmental management tools (such as monitoring, auditing and reporting) and decision-making tools (such as multi-criteria decision support systems or advisory councils).
Interested and Affected Party (I&AP)	Any person, group of persons or organisation interested in or affected by an activity; and any organ of state that may have jurisdiction over any aspect of the activity.
Irreplaceable Areas	Sites, which are essential in meeting targets set for the conservation of biodiversity in Gauteng; (Gauteng C-Plan Version 3)
Mitigate	The implementation of practical measures designed to avoid, reduce or remedy adverse impacts or enhance beneficial impacts of an action.
No-Go Option	In this instance the proposed activity would not take place, and the resulting environmental effects from taking no action are compared with the effects of permitting the proposed activity to go forward.
Public Participation Process	A process in which potential interested and affected parties are given an opportunity to comment on, or raise issues relevant to, specific matters.
Rehabilitation	A measure aimed at reinstating an ecosystem to its original function and state (or as close as possible to its original function and state) following activities that have disrupted those functions.

Sensitive Environments	Any environment identified as being sensitive to the impacts of the development.
Significance	Significance can be differentiated into impact magnitude and impact significance. Impact magnitude is the measurable change (i.e. magnitude, intensity, duration and likelihood). Impact significance is the value placed on the change by different affected parties (i.e. level of significance and acceptability). It is an anthropocentric concept, which makes use of value judgements and science-based criteria (i.e. biophysical, social and economic).
Stakeholder Engagement	The process of engagement between stakeholders (the proponent, authorities and I&APs) during the planning, assessment, implementation and/or management of proposals or activities.
Sustainable Development	Development which meets the needs of current generations without hindering future generations from meeting their own needs.
Undeveloped	Means that no facilities, structures or infrastructure have been effected upon the land or property during the preceding 10 years.
Urban Areas	Means areas situated within the urban edge (as defined or adopted by the competent authority), or in instances where no urban edge or boundary has been defined or adopted, it refers to areas situated within the edge of built-up areas (Regulation R325 of NEMA,1998 (Act No. 107 of 1998));
Vacant	Means not occupied for the purpose of its lawful land use during the preceding ten year period.
Virgin Soil	Means land not cultivated for the preceding 10 years. (Regulation R325 of NEMA,1998 (Act No. 107 of 1998);
Watercourse	Means (a) a river or spring; (b) a natural channel in which water flows regularly or intermittently; (c) a wetland, pan, lake or dam into which, or from which, water flows; and any collection of water which the Minister may, by notice in the Gazette, declare to be a watercourse as defined in the National Water Act, 1998 (Act No. 36 of 1998) and a reference to a watercourse includes, where relevant, its bed and banks. (Regulation R327 of NEMA, 1998 (ACT NO. 107 OF 1998).;
Wetland	Means land which is transitional between terrestrial and aquatic systems where the water table is usually at or near the surface, or the land is periodically covered with shallow water, and which land in normal circumstances supports or would support vegetation typically adapted to life in saturated soil. (Regulation 327 of NEMA,1998 (ACT NO. 107 OF 1998).

Abbreviations

BID	Background Information Document
CC	Close Corporation
DWS	Department of Water and Sanitation
EAP	Environmental Assessment Practitioner
EIA	Environmental Impact Assessment
EMP	Environmental Management Plan
Ha	Hectares
HIA	Heritage Impact Assessment
I & AP's	Interested and Affected Parties
IDP's	Integrated Development Plans
Km	Kilometres
KZN EDTEA	KwaZulu-Natal Department of Economic Development, Tourism and Environmental Affairs
m	Meters
NEMA	National Environmental Management Act
NEM:WA	National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008)
NGO's	Non-Governmental Organisations
(Pty) Ltd	Proprietary Limited
SDF	Spatial Development Framework
WHO	World Health Organization

1 INTRODUCTION

CommCo Holdings (Pty) Ltd appointed Lokisa Environmental Consulting CC to obtain authorisation from the KwaZulu-Natal Department of Economic Development, Tourism and Environmental Affairs (KZN EDTEA) for the proposed development of a telecommunication mast on Portion 1939 of Erf 104 Chatsworth within the jurisdiction of eThekweni Municipality.

The Basic Assessment (BA) procedure will apply to this application. An application is submitted in terms of Chapter 4 of the EIA Regulations (as amended 2017) promulgated in terms of the National Environmental Management Act ("NEMA", Act No. 107 of 1998 as amended).

The project entails the construction of a 30m Monopole Mast within the footprint size of a 12m x 6m area and a support container. The site is to accommodate three service providers.

The proposed site is located at the Bayview Train Station on Portion 1939 of Erf 104 Chatsworth, next to the Higginson Highway (M1), just west of where 42nd Avenue crosses the highway. The train station is situated north of Bayview and south of Umhlatuzana. The Bayview Train Station is surrounded by high density residential developments with an open space area to the North and the Kenneth Stainbank Nature Reserve situated to the east of the site.

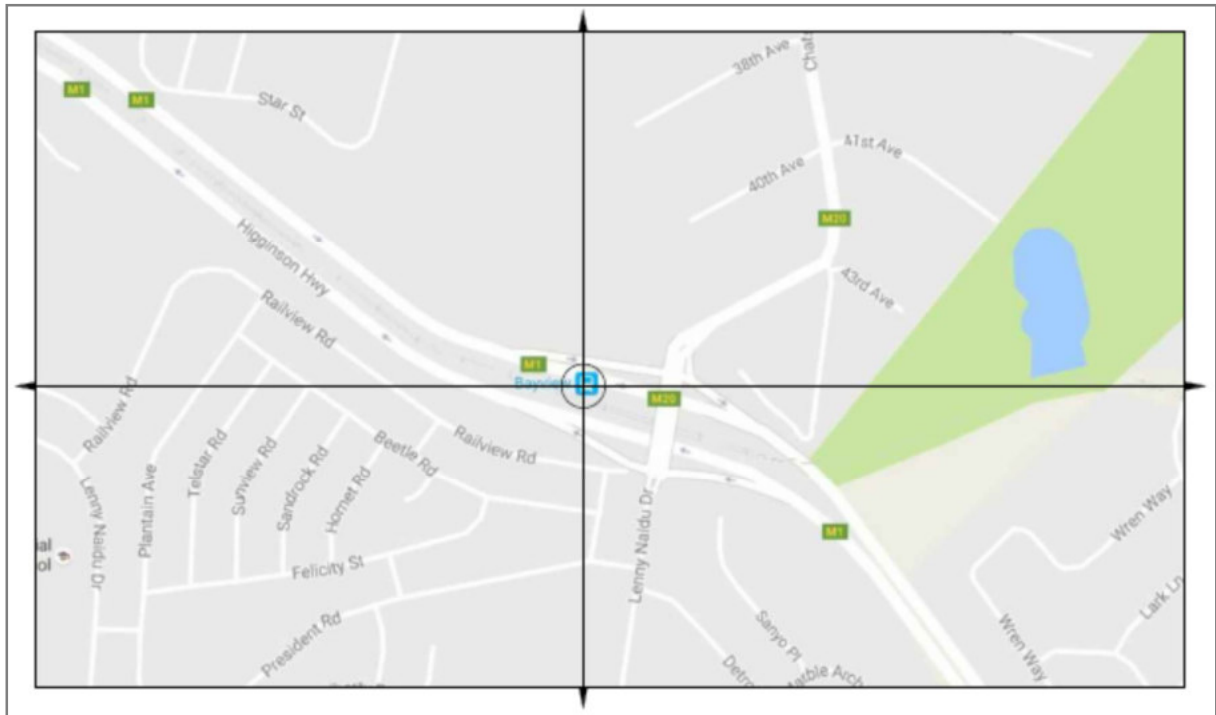


Figure 1: Locality Map

2 NEED AND DESIRABILITY

The selected project site was chosen because it is in the optimal position to provide coverage for the high density residential surroundings. The mast and site design caters for additional operators to be accommodated.

The benefits that the activity will have for society in general are:

- Better cellphone Network/ signal coverage and Cellular Communication
- Security
- Socio-economic development
- Improved medical response

The benefits that the activity will have for the local communities where the activity will be located are:

- Better cell phone Network/ signal coverage and Cellular Communication
- Security
- Socio-economic development
- Improved medical response

The motivation and benefits to society in general above apply to the local community directly. It will furthermore ensure that the communication capability and capacity of the local community will keep pace with the ever growing and availability of communication facilities nationwide.

3 APPROACH TO THE EIA STUDIES – TERMS OF REFERENCE

This section provides a brief description of the EIA process, based on the National Environmental Management Act, No 107 of 1998 and relevant amendments, which are to be undertaken.

3.1 Legal Framework for EIA

The EIA process, applicable to this application, is determined by the Amendments to the Environmental Impact Assessment Regulations, 2014, published in Government Notice R326 in Government Gazette No 40772 of 7 April 2017 promulgated under Chapter 5 of the National Environmental Management Act, 1998 (Act No. 107 of 1998).

The EIA regulations inter alia describe the procedure for EIA and provides a description of activities that would require authorisation through either 1) a Basic Assessment (in terms of Government Notices R327 and R324 of 2017) or 2) Scoping and Environmental Impact Assessment (in terms of Government Notice R325 of 2017).

The following activities are triggered by the proposed development:

Table 1: Listed activities triggered by the proposed development

Number and date of the relevant notice	Activity no (s)	Description of listed activity
GN R324 7 April 2017	Activity 3	The development of masts or towers of any material or type used for telecommunication broadcasting or radio transmission purposes where the mast or tower — (a) is to be placed on a site not previously used for this purpose; and (b) will exceed 15 metres in height — d. KwaZulu-Natal xiii. Inside urban areas: (dd) Areas within 1 kilometre from terrestrial protected areas identified in terms of NEMPAA.

The proposed development triggers activities that require a Basic Assessment; an application is submitted in terms of Chapter 4 of the EIA Regulations to the KZN Department of Economic Development, Tourism and Environmental Affairs (EDTEA).

3.2 The Basic Assessment Process

The required Basic Assessment (BA) process which is being conducted in 3 phases namely:

Phase 1: Project inception;

Phase 2: Basic Assessment and Environmental Management Programme; and

Phase 3: Authority review and response.

The report provides a description of the activity, description of property and location and a description of environment, legislation, need and desirability, significant impacts and management as well as mitigation.

3.3 Public Participation Process

The Public Participation Process (PPP) allows all I&AP's to voice their concerns and issues regarding the project. The manner of undertaking the PPP is varied and is dependent on the nature of the project but require the following:

- The proposed development to be advertised in a local newspaper and on site;
- The adjacent landowners, tenants and resident's associations to be informed directly, in writing, of the application for environmental authorisation for the proposed development;
- Interested & affected parties and Stakeholders to be given a 30 day period within which to lodge any objections;
- After the 30 day period has expired a report is to be written on how any objections and/or comments raised by interested and affected parties together with an indication as to how the objections will be addressed, if at all.

3.4 Role of Interested & Affected Parties (I&AP's)

Registered I&AP's have the right to bring to the attention of the Environmental Authority any issues that they believe may be of significance to the consideration of the application.

The rights of the I& AP's are qualified by certain obligations, namely:

- I&AP's must ensure that their comments are submitted within the timeframes that have been approved or set by the competent authority, or within any extension of a timeframe agreed to by the applicant or Environmental Assessment Practitioner (EAP);
- A copy of comments submitted directly to the competent authority must be served on the applicant or EAP; and
- Any direct business, financial, personal or other interest that they might have in the approval or refusal of the application must be disclosed.

The role of I&APs in a Public Participation Process usually include one or more of the following:

- Assist in the identification and prioritization of issues that need to be investigated;
- Make suggestions on alternatives and means of preventing, minimizing and managing negative impacts and enhancing project benefits;
- Assist in/ or comment on the development of mutually acceptable criteria for the evaluation of decision options;
- Contribute information on public needs, values and expectations;
- Contribute local and traditional knowledge; and
- Verify that their issues have been considered.

3.5 Specialist Studies

Specialist studies provide an examination of key issues and environmental impacts. Specialists gather relevant data to identify and assess environmental impacts that might occur on the specific component of the environment that they are studying (e.g. vegetation, water quality, and pollution). For the proposed of this development, no ecological specialist studies are applicable as the site is completely disturbed and transformed.

3.6 Assessment of the Significance of Impacts

It is necessary to determine the significance, or seriousness, of any impacts on the natural or social environment. The report will adopt a significance rating scale that determines the special, temporal, severity and certainty of any impact occurring which will allow the determination of the overall significance of an impact or benefit.

The overall intent of undertaking a significance assessment is to provide the relevant authority with information on the potential environmental impacts and benefits, thus allowing them to make a balanced and fair decision.

3.7 Mitigation measures and recommendations

Critical to an environmental assessment is the provision of practical and reasonable mitigation measures and recommendations that establish the actions that are needed in order to avoid or minimise any negative impacts from the development.

3.8 Environmental Management Programme

An Environmental Management and action programme will be based on the findings and recommendations set out in the BAR. The Environmental Management Programme (EMPr) consists of a set of practical and actionable mitigation, monitoring and institutional measures to be taken into account during construction and operation of a development. The aim is to eliminate adverse environmental and social impacts, offset them, or reduce them to acceptable levels. These plans will include:

- The standards and guidelines that must be achieved in terms of environmental legislation,
- Mitigation measures and environmental specifications which must be implemented at 'ground level' (i.e. during construction and operation),
- Provide guidance through method statements to achieve the environmental specifications,
- Define corrective action that must be taken in the event of non-compliance with the specifications of the EMPr,
- Prevent long-term or permanent environmental degradation.

The EMPr is attached as Appendix E: EMPr

3.9 Environmental Authorisation and Appeals Process

Upon thorough examination of the BAR, the authority will issue an Environmental Authorisation or reject the application. Should authorisation be granted, it usually carries Conditions of Approval.

The proponent is obliged to adhere to these conditions.

I&AP's will be notified of the decision in terms of the NEMA Regulations and should an I&AP wish to appeal any aspect of the decision, they must within twenty (20) days of the date of notification of the decision, submit their appeal including supporting documents to the appeal administrator.

4 DETAILS OF THE ENVIRONMENTAL ASSESSMENT PRACTITIONER

In terms of the NEMA (as amended), an EAP is defined as "...the individual responsible for the planning, management and coordination of environmental impact assessments, strategic environmental assessments, environmental management plans or any other appropriate environmental management instruments introduced through regulations." The EAP must be independent, objective and have expertise in conducting environmental impact assessments. Such expertise should include knowledge of all relevant legislation and of any guidelines that have relevance to the proposed activity.

In order to be independent an EAP or person compiling a specialist report or undertaking a specialised process is to perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant. All material information in the possession of the EAP or person compiling a specialist report /undertaking a specialised process that reasonably has or may have the potential of influencing any decision to be taken with respect to the application by the competent authority in terms of these regulations are to be disclosed to the applicant and competent authority. Furthermore the objectivity of any report, plan or document to be prepared by the EAP or person compiling a specialist report or undertaking a specialised process, in terms of these regulations for submission to the competent authority should furthermore also be disclosed to the applicant and competent authority.

In order to comply with this requirement an Information Sheet was provided that provides information on the author of this report being Elaine Minnaar, Senior Environmental Consultant with Lokisa Environmental Consulting CC (Lokisa).

Lokisa Environmental Consulting CC is an Environmental Consulting Company based in Pretoria that provides a broad range of environmental consulting services to the private and public sector since 2001.

Elaine Minnaar has been involved in environmental consulting since 1998 and has expertise in a wide range of environmental disciplines including Environmental Impact Assessments, Environmental Management Plans/Programmes, Auditing and Monitoring, Public Participation and Facilitation.

Faith Makena is a Junior Environmental Consultant and has been with Lokisa Environmental Consulting for three years. She has gained experience in the environmental field which includes Environmental Impact Assessments, Environmental Management Programmes, Environmental Auditing and Monitoring, Public Participation, and Environmental Mitigation and Control

All reports are reviewed and approved by Elaine Minnaar of Lokisa Environmental Consulting CC (Refer to Appendix G for Curriculum Vitae).

5 ASSUMPTIONS AND GAPS IN KNOWLEDGE

- All information provided by CommCo Holdings (Pty) Ltd to the EAP was correct and valid at the time it was provided.
- The EAP does not accept any responsibility in the event that additional information comes to light at a later stage of the process.
- All data from unpublished research is valid and accurate.
- The scope of this investigation is limited to assessing the potential environmental impacts associated with telecommunication masts.
- Even though the EAP is not an expert on health issues regarding the radiofrequency waves transmitted by mobile phones, the World Health Organization's (WHO) position on the topic is followed. According to the WHO, a large number of studies have been performed over the last two decades to assess whether mobile phones pose a potential health risk. To date, no adverse health effects have been established as being caused by mobile phone use (<http://www.who.int/mediacentre/factsheets/fs193/en/>).

6 LEGAL REQUIREMENTS

In order to protect the environment and ensure that the proposed activity operate in an environmentally responsible manner, there are a number of significant pieces of environmental legislation and guidelines that need to be taken into account during this study. These include:

6.1 The Constitution of South Africa

The development has to comply with environmental right in the Bill of Rights in the Constitution of the Republic of South Africa (Act 108 of 1996), which reads as follows (Chapter 2, section 24): “Everyone has the right a) to an environment that is not harmful to their health or well-being; and b) to have the environment protected, for the benefit of present and future generations, through reasonable legislative and other measures that:

- i) prevent pollution and ecological degradation;
- ii) promote conservation; and
- iii) secure sustainable development and use of natural resources while promoting justifiable economic and social development.”

6.2 National Environmental Management Act (No 107 of 1998)

NEMA establishes the basis for environmental governance and sets out the principles for decision-making on matters affecting the environment. The principles of the Act are provided in Section 2 and it is the responsibility of all organs of state to take these principles into account when making decisions that could affect the environment.

In terms of the NEMA principles, the following are of particular relevance to the development:

- a) Environmental management must place people and their needs at the forefront of its concern and serve their physical, psychological, developmental, cultural and social interest equitably.
- b) Development must be socially, environmentally and economically sustainable.
- c) Environmental management must be integrated, acknowledging that all elements of the environment are linked and interrelated, and it must take into account the effects of decisions on all aspects of the environment and all people in the environment by pursuing the selection of the best practicable environmental option (section 2(4)(b)).
- d) Environmental justice must be pursued so that adverse environmental impacts shall not be distributed in such a manner as to unfairly discriminate against any person, particularly vulnerable and disadvantaged persons (section 2(4)(c)).
- e) Equitable access to environmental resources, benefits and services to meet basic human needs and ensure human well-being must be pursued and special measures may be taken to ensure access thereto by categories of persons disadvantaged by unfair discrimination (section 2(4)(d)).

- f) The participation of all Interested and Affected Parties in environmental governance must be promoted, skills and capacity necessary for achieving equitable and effective participation, and participation by vulnerable and disadvantaged persons must be ensured (section 2(4)(f)).
- g) Decisions must take into account the interests, needs and values of all Interested and Affected Parties, and this includes recognizing all forms of knowledge, including traditional and ordinary knowledge (section 2 (4) (g)).
- h) The social, economic and environmental impacts of activities, including disadvantages and benefits, must be considered, assessed and evaluated, and decisions must be appropriate in the light of such consideration and assessment (section 2(4)(i)).
- i) Sensitive, vulnerable, highly dynamic or stressed ecosystems, such as coastal shores, estuaries, wetlands, and similar systems require specific attention in management and planning procedures, especially where they are subject to significant human resource usage and development pressure (section 2(4)(r)).

Sustainable development requires the integration of social, economic and environmental practices in the planning, implementation and evaluation of decisions. This integration will ensure that development serves present and future generations. Development has to be done in the manner provided for in the National Environmental Management Act and based on the following environmental management principles:

- Prevention of pollution and ecological degradation,
- Promotion of conservation;
- Secure ecologically sustainable development and use of natural resources;
- Promotion of justifiable economic and social development.

It is obvious from the Act that government is ultimately responsible for environmental impact assessments and for taking action to prevent harm to, or the degradation of, natural, socio-economic and cultural environment.

6.3 EIA Regulations

The NEMA EIA Regulations (2014), which replaced the EIA Regulations (2010), were promulgated and came into effect on 04 December 2014. The Amendments to the EIA Regulations, 2014, published in Government Notice R326 in Government Gazette No. 40772 came into effect on 7 April 2017. These Regulations regulate the procedure and criteria as contemplated in Chapter 5 of the Act relating to the

preparation, evaluation, submission, processing and consideration of, and decision on, applications for environmental authorisations for the commencement of activities, subjected to environmental impact assessment, in order to avoid or mitigate detrimental impacts on the environment, and to optimise positive environmental impacts, and for matters pertaining thereto.

6.4 National Water Act (No 36 of 1998)

The purpose of this act is to ensure that the nation's water resources are protected, used, developed, conserved, managed and controlled in ways which takes into account amongst other factors:

- Meeting the basic human needs of present and future generations,
- Promoting equitable access to water;
- Redressing the results of past racial and gender discrimination;
- Promoting the efficient, sustainable and beneficial use of water in the public interest;
- Facilitating social and economic development;
- Providing for growing demand for water;
- Protecting aquatic and associated ecosystems and their biological diversity;
- Reducing and preventing pollution and degradation of water resources;
- Meeting international obligations;
- Promoting dam safety;
- Managing floods and drought.

In terms of the act "Pollution" means the direct or indirect alteration of the physical, chemical or biological properties of a water resource so as to make it:

- a) less fit for any beneficial purpose for which it may reasonably be expected to be used; or
- b) harmful or potentially harmful –
 - to the welfare, health or safety of human beings;
 - to any aquatic or non-aquatic organism;
 - to the resource quality; or
 - to property.

"Water resource" includes a watercourse, surface water, estuary or aquifer.

Section 19 deals with the situations where pollution of water resources occurs or might occur as a result of activities on land. The person who owns controls, occupies or uses the land in question is responsible for taking measures to prevent pollution of water resources.

“Waste” is defined as “any solid material or material that is suspended, dissolved or transported in water (including sediment) and which is spilled or deposited on land or into a water resource in such volume, composition or manner as to cause, or to be reasonably likely to cause, the water resource to be polluted”.

A Water Use Application (WULA) is a legislature process governed by the Department of Water Affairs for the authorisation of all water uses defined in section 21 of the National Water Act (Act No 36 of 1998) [NWA]. This document describes a methodology for the assessment of a Section 21 (b), water uses. No water use application is required for the proposed development as the activity will not use water or affect any watercourses.

6.5 National Aviation Act (No. 74 of 1962)

The main objective of this Act is to consolidate the laws enabling effect to be given to certain International Aviation Conventions and making provision for the control, regulation and encouragement of flying within the Republic of South Africa and for other matters incidental thereto.

In order to comply with the requirements of this Act, an Application for approval of obstacles has been made with the competent authority and their response or approval is awaited.

6.6 National Heritage Resources Act (No 25 of 1999)

Heritage resources have lasting value in their own right and provide evidence of the origins of South African society and, as they are valuable, finite, non-renewable and irreplaceable, they must be carefully managed to ensure their survival.

Every generation has a moral responsibility to act as trustee of the national heritage for succeeding generations and the State has an obligation to manage heritage resources in the interest of all South Africans.

The Act provides for four categories of protected areas:

- National and provincial heritage sites;
- Protected areas;
- Heritage areas; and
- Archaeological and paleontological sites.

The Act stipulates that any person who intends to undertake a development “must at the very earliest stages of initiating such a development, notify the responsible heritage resources authority and furnish it with detail regarding the location, nature and extent of the proposed development”.

The heritage resources authority must, within 14 days of receiving notification, request the submission of an impact assessment report if there is reason to believe that heritage resources will be affected by such development.

Heritage resources have lasting value in their own right and provide evidence of the origins of South African society and, as they are valuable, finite, non-renewable and irreplaceable, they must be carefully managed to ensure their survival.

It is not expected that the proposed development will impact on any heritage resources however should any heritage resources be discovered a chance find procedure will be followed whereby:

- If during the duration of the project, any person employed by the developer, one of its subsidiaries, contractors and sub-contractors, or service provider, finds any artifact of cultural significance or heritage site, this person must cease work at the site of the find and report this find to their immediate supervisor, and through their supervisor to the senior on-site manager.
- It is the responsibility of the senior on-site Manager to make an initial assessment of the extent of the find, and confirm the extent of the work stoppage in that area.
- The senior on-site Manager will inform the EC of the chance find and its immediate impact on operations. The EC will then contact a professional archaeologist for an assessment of the finds who will notify the SAHRA.

6.7 National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008)(NEM:WA)

The NEM:WA provides reasonable measures for the prevention of pollution and ecological degradation and for securing ecologically sustainable development. One of its main objectives is to protect health,

wellbeing and the environment by providing reasonable measures for securing ecologically sustainable development while promoting justifiable economic and social development.

The proposed development does not occur in contrast with the objectives of the Act.

6.8 Model Noise Regulations published under the Environment Conservation Act (Act No 73 of 1989)

The Regulations provides a number of prohibition of noise nuisance conditions one which states: “No person shall – erect a building or structure on residential premises or allow it to be erected there if this may cause a noise or nuisance”.

The proposed telecommunication mast will not produce noise or nuisance in any form.

6.9 National Health Act (Act No 63 of 1977)

The National Department of Health has over the years endorsed that Telecommunication Infrastructure (TI) or combination of Infrastructure may not at any time cause the public to be exposed to radio frequency levels that exceed the International Commission on Non-Ionizing Radiation Protection (ICNITRP).

6.10 Occupational Health and Safety Act (Act No. 85 of 1993)

The Occupational Health and Safety Act provides for the health and safety of persons at work and for the health and safety of persons in connection with the use of machinery; the protection of persons other than persons at work, against hazards to health and safety arising out of or in connection with the activities of persons at work.

The proposed development site and crew are to be managed in strict accordance with the Occupational Health and Safety Act (Act No. 85 of 1993) [OHSA] and the National Building Regulations.

6.11 National Building Regulations and Building Standards Act, 1997 (Act No. 103 of 1997)

Section 7 of the National Building Standards and Building Regulations Act states that “council must be satisfied that buildings or structures are not dangerous to life or property”.

The proposed development is in line with the Act as the structure is not deemed dangerous to life or property.

6.12 Electronic Communications Act, 20015 (Act No 36 of 2005)

The Electronic Communications Act (36 of 2005) and ICASA regulate all forms of telecommunication infrastructure and the issue of approvals and licences. Transmitting power levels must be in compliance with ICASA licence conditions. The design and operation of the infrastructure should be in accordance with the licensing requirements of ICASA, with physical isolation and control of public access to public exposure hazard zones and use of minimum power levels consistent with quality services.

6.13 National Development Plan 2030

The National Development Plan (NDP) offers a long-term perspective. It defines a desired destination and identifies the role different sectors of society need to play in reaching that goal.

As a long-term strategic plan, it serves four broad objectives:

- Providing overarching goals for what the nation want to achieve by 2030.
- Building consensus on the key obstacles to us achieving these goals and what needs to be done to overcome those obstacles.
- Providing a shared long-term strategic framework within which more detailed planning can take place in order to advance the long-term goals set out in the NDP.
- Creating a basis for making choices about how best to use limited resources.

The Plan aims to ensure that all South Africans attain a decent standard of living through the elimination of poverty and reduction of inequality. The core elements of a decent standard of living identified in the Plan are:

- Housing, water, electricity and sanitation
- Safe and reliable public transport
- Quality education and skills development
- Safety and security

- Quality health care
- Social protection
- Employment
- Recreation and leisure
- Clean environment
- Adequate nutrition

The proposed development does not take place in contrast with the objectives of the NDP, in fact the proposed development supports the objectives of the NDP.

7 PROJECT DESCRIPTION

7.1 Location of the activity

The proposed site is located at the Bayview Train Station on Portion 1939 of Erf 104 Chatsworth, next to the Higginson Highway (M1), just west of where 42nd Avenue crosses the highway. The train station is situated north of Bayview and south of Umhlatuzana.

The 21 digit Surveyor General Code of the proposed site:

N	O	F	T	0	0	5	2	0	0	0	0	1	0	4	0	1	9	3	9
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

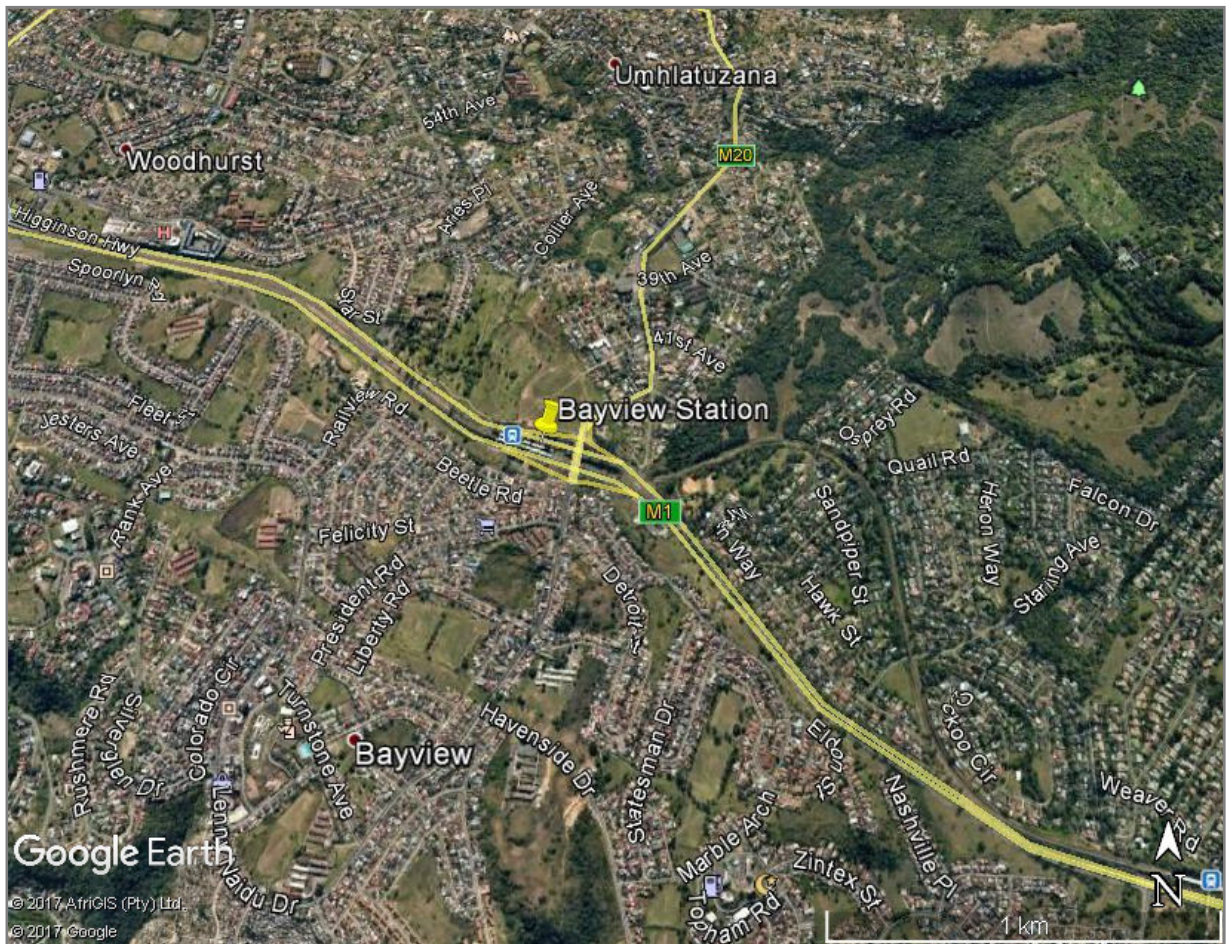


Figure 2: Locality of the site

The coordinates for the proposed development are: -29.915635 S; 30,919433 E.

7.2 Description of the site

The proposed site is located at the Bayview Train Station. The site is fully transformed with buildings, platform structures, paved areas and a railway line.

The proposed site falls between the railway line and the road (M1 South).

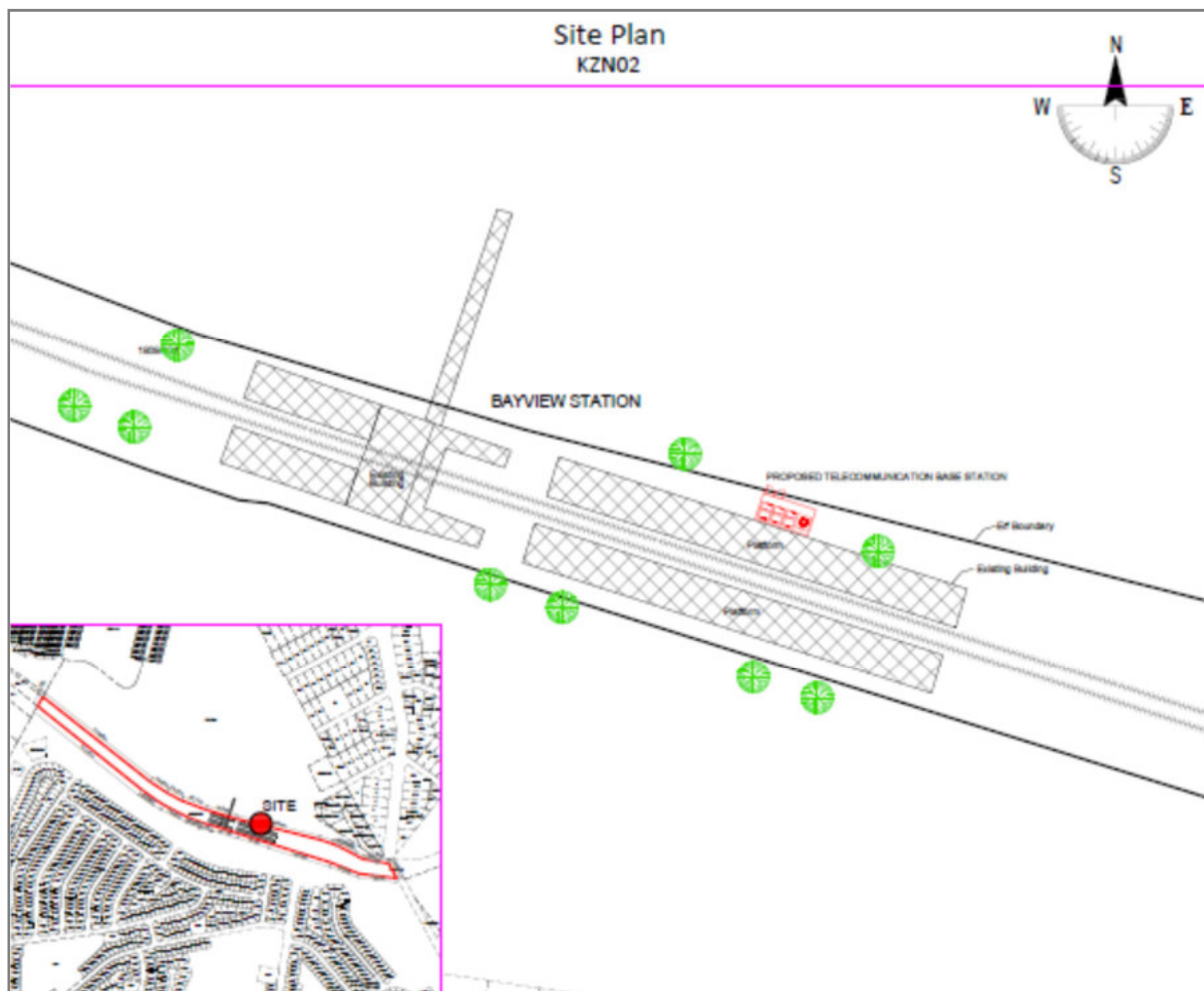


Figure 3: Site Plan



Figure 4: Photo of the site

7.3 Surrounding Land Uses

The proposed site is located at the Bayview Train Station. The Bayview Train Station is surrounded by high density residential developments with an open space area to the North and the Kenneth Stainbank Nature Reserve situated approximately 320 metres to the east of the site.

The Kenneth Stainbank Nature Reserve is a 253 hectare reserve in Yellowwood Park, Durban. The area offers fine examples of coastal forest and grassland habitats for many species of plants and animals. Notable species are zebra, bushbuck, reedbuck, impala, blue, red and grey duiker, vervet monkey, rock hyrax, slender mongoose, bushbaby, egyptian mongoose, banded mongoose, water monitor and genet. The reserve has an interesting variety of indigenous flora and over 200 bird species on record.

The M1 Higginson Highway is situated between the proposed mast and the Kenneth Stainbank Nature Reserve and it is not anticipated that the mast will affect the Nature Reserve.

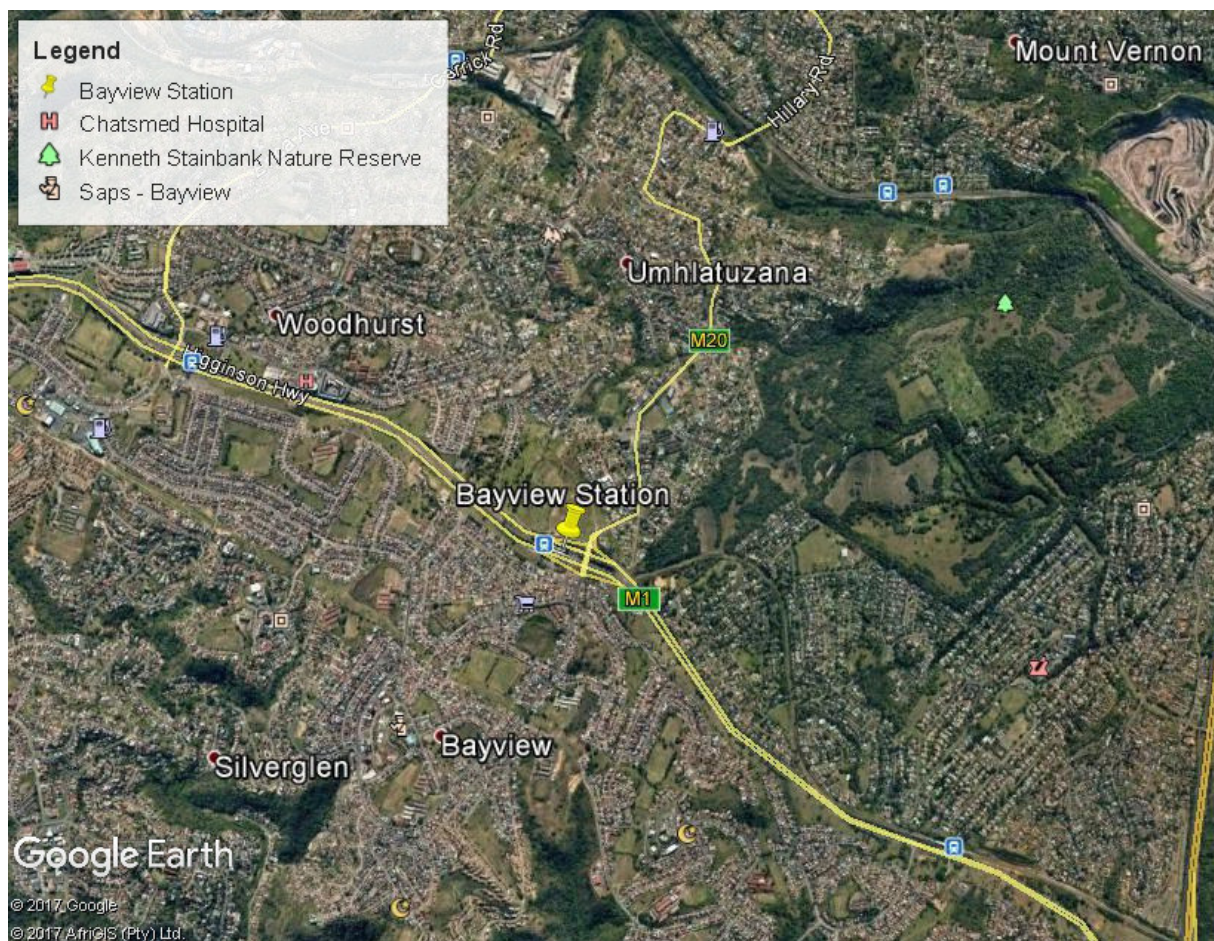


Figure 5: Proposed site and immediate surrounds

7.4 Nature of the development

The project entails the construction of a 30m Monopole Mast within the footprint size of a 12m x 6m area and a support container. The site is to accommodate three service providers.

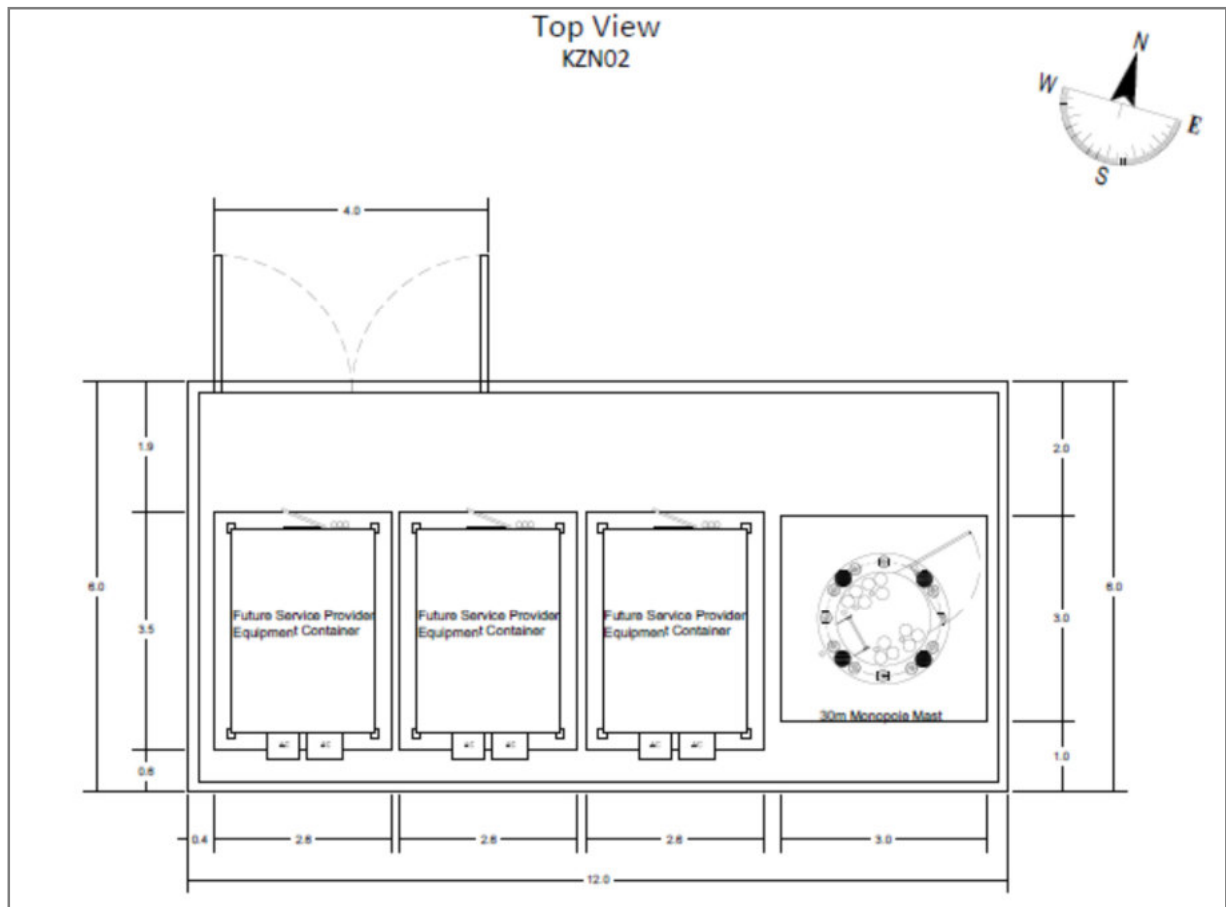


Figure 6: Top view

The structure will be fenced to limit public access to it. The base station will be a secured building; sufficient precaution will be made to prevent access to the antenna support structure. Access to the area will be strictly controlled through a locked gate.

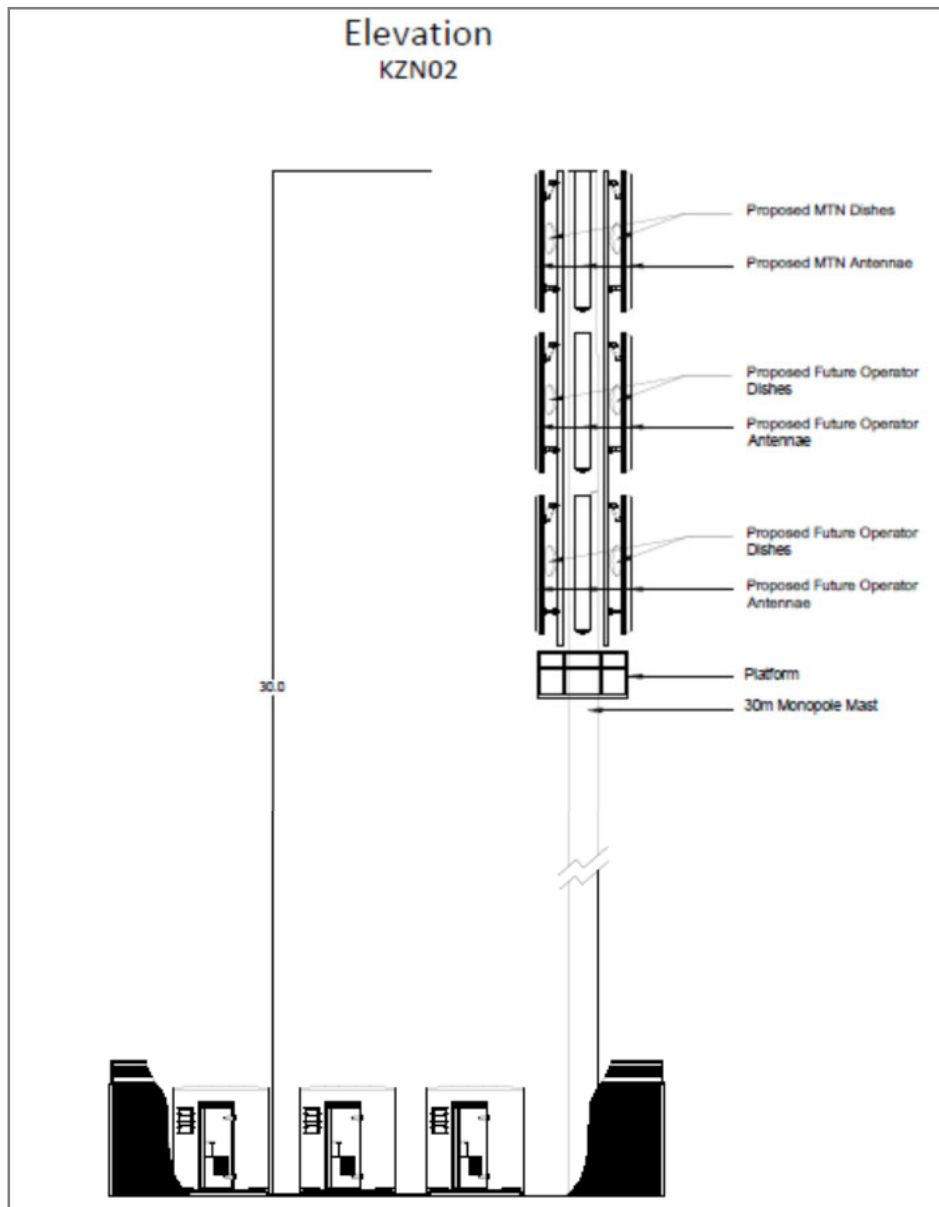


Figure 7: Layout plan

8 PROJECT ALTERNATIVES

In terms of the NEMA Regulations, 2014 (as amended, 2017), the definition of alternatives is given as: **‘Alternatives’** in relation to a proposed activity, means different means of meeting the general purpose and requirement of the activity, which may include alternatives to the –

(a) property on which or location where the activity is proposed to be undertaken;

- (b) type of activity to be undertaken;
 - (c) design or layout of the activity;
 - (d) technology to be used in the activity; or
 - (e) operational aspects of the activity;
- and includes the option of not implementing the activity;

The following alternatives were investigated:

8.1 Location alternative

The search for a suitable site starts with the identification of the need for improved cellular coverage in the identified area. The Radio Planners indicate the optimal position and sites within a 100m of this position is investigated.

A team investigates all possible positions within the 100m radius and approach land owners in order to lease a portion of their land for the structure. Several options are investigated before a lease agreement is reached.

The proposed site was deemed suitable for the proposed telecommunication mast as it is developed with a railway station and railway line and no location alternatives were therefore investigated.

8.2 Type of activity alternatives

The project entails the construction of a 30m Monopole Mast within the footprint size of a 12m x 6m area and a support container. The site is to accommodate three service providers to provide coverage for the high density residential surroundings.

No reasonable or feasible alternatives in terms of the type of activity to be undertaken were therefore be investigated.

8.3 Design / Layout alternatives

The following design Alternatives were evaluated: Alternative 1: 30m Monopole Mast and Alternative 2: 30m Lattice Mast.

8.3.1 Alternative 1

Alternative 1 entails the construction of a 30m Monopole Mast within the footprint size of a 12m x 6m area and a support container. The site is to accommodate three service providers to provide coverage for the high density residential surroundings.

8.3.2 Alternative 2

Alternative 2 entails the construction of a 30m Lattice Mast within the footprint size of a 12m x 6m area and a support container. The site is to accommodate three service providers to provide coverage for the high density residential surroundings.

8.4 Technology alternatives

The construction of the telecommunication mast is governed by approved procedures and SABS standards, thus there is limited scope for introducing alternatives to this aspect, however, the construction materials to be utilised can be varied.

Use of energy efficient, sustainable and environmentally-friendly building materials and products is highly recommended.

8.5 Operational alternatives

No reasonable or feasible alternatives in terms of the operational aspects of the activity were investigated as the purpose of the application is for a cellular mast.

8.6 No-go option

Should the no-go option be followed, cellular coverage will remain the same or even deteriorate in the area. It might only shift the development activity to a different location, where there could be a greater loss of sensitive features. The no-go alternative will entail leaving the site in its present vacant state.

9 PUBLIC PARTICIPATION PROCESS

9.1 Aims of the Public Participation Process

The primary aims of the public participation process are:

- to inform interested and affected parties (I&APs) and key stakeholders of the proposed application and environmental studies;
- to initiate meaningful and timeous participation of I&APs;
- to identify issues and concerns of key stakeholders and I&APs with regards to the application for the development (i.e. focus on important issues);
- to promote transparency and an understanding of the project and its potential environmental (social and biophysical) impacts (both positive and negative);
- to provide information used for decision-making;
- to provide a structure for liaison and communication with I&APs and key stakeholders;
- to ensure inclusivity (the needs, interests and values of I&APs must be considered in the decision-making process);
- to focus on issues relevant to the project, and issues considered important by I&APs and key stakeholders; and
- to provide responses to I&AP queries.

9.2 Identification of Interested and Affected Parties

Lokisa Environmental Consulting CC developed a database of I&AP's based on past projects and experience in the area. Additional I&AP's were identified during the process via various discussions with authorities and key I&AP's. The neighbouring properties were identified and a Deeds search was undertaken to determine the property owners.

9.3 Procedure by which I&APs were afforded the opportunity to participate

All identified I&AP's, State Departments, NGOs and Service Providers were notified of the proposed project by e-mail, fax and registered letters on 4 and 5 May 2017 (See Appendix D – Appendix 2).

Notices were hand delivered to properties where registered addresses were not available on 4 May 2017. The intended activity was furthermore advertised in "The Mercury" on 5 May 2017. Notices were also placed on and around the site on 4 May 2017 (See Appendix D – Appendix 1).

The Draft Basic Assessment was made available for review and comments to I&APs on 2 October 2017 whereby a 30 day comment period was provided as per Section 8 of Chapter 2 of the EIA Regulations 2014 (as amended 2017).

9.4 Authority Consultation

The KwaZulu-Natal Department of Economic Development, Tourism and Environmental Affairs (KZN EDTEA) is the competent authority for reviewing the project and providing environmental authorisation.

The application for environmental authorisation in terms of the EIA Regulations (2014) (as amended 2017) as well as the Draft Basic Assessment Report was submitted to KZN EDTEA during February 2018.

9.5 Issues raised by interested and affected parties

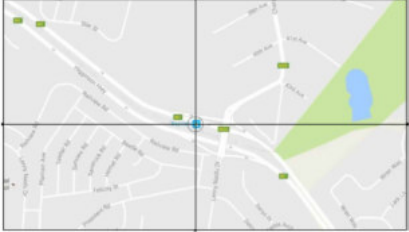
Comments were received from I&AP's and a register was opened to register any and all interested and affected parties that provided comments or issues in writing (Refer to Appendix D – Appendix 6).

All the various issues and comments have been noted and response thereto is provided in the comments and response Report (Refer to Appendix E – Appendix 5).

All registered I&AP's have been given fair opportunity to comment on the Draft Basic Assessment Report. The Draft Basic Assessment Report was released for public comment before being finalised and forwarded to the relevant authorities. A 30 day comments period was provided.

Table 2: Comment from I&APs

Issue	Commentator	Date	Response
1. eThekwini Municipality requested to be registered as an I&AP and that the necessary documents be submitted to the Municipality for circulation/comment once available.	D. Van Rensburg eThekwini Municipality	5 May 2017	1. eThekwini Municipality is registered as an I&AP and the Draft Basic Assessment Report will be submitted for comment.
2. Requested to be registered as an I&AP. 3. His interest in the project is to gain a better understanding of how the application for environmental authorisation process applies and proceeds. 4. If there are any public meetings relating to this BA, he wants to be informed of when and where these are scheduled to take place. 5. Requested to be informed of where he can obtain copies of any related/applicable documentation (e.g. BID, draft BA application and any specialist studies) relating to the project as and when it progresses.	C. Burne	9 May 2017	2. Registered as an I&AP. 3. The proposed activity is listed in terms of the EIA Regulations, 2014 (as amended, 2017) and therefore requires environmental authorisation from the KwaZulu-Natal Department of Economic Development, Tourism and Environmental Affairs (KZN EDTEA). The Basic Assessment (BA) process will apply and the applicable activity is Activity 3 of Listing Notice 3 (GNR 324) which reads as follows:

Issue	Commentator	Date	Response
			<p>The development of masts or towers of any material or type used for telecommunication broadcasting or radio transmission purposes where the mast or tower — (a) is to be placed on a site not previously used for this purpose; and (b) will exceed 15 metres in height —</p> <p>d. KwaZulu-Natal</p> <p>xiii. Inside urban areas:</p> <p>(dd) Areas within 1 kilometre from terrestrial protected areas identified in terms of NEMPAA.</p> <p>The following allowances have been made for time in terms of the BA process:</p> <ul style="list-style-type: none"> • Public Participation Process (PPP) which includes providing Interested and Affected Parties (I&APs) 30 days to register. • Submit the Draft BAR to I&APs and State Departments and provide 30 days for comment. • Compile Final BAR after receipt of comments on Draft Basic Assessment Report. • Submit the Final BAR to I&APs and State Departments and provide 30 days for comment. • Submit Final BAR with comments received and inclusive of specialist reports to GDARD within 90 days of submission of Application form to GDARD. • Within 107 days of receipt of Basic Assessment Report, GDARD to grant or refuse environmental authorisation. <p>4. A public meeting for this project is not envisaged at this time.</p> <p>5. The availability of the Draft BAR for a comment period of 30 days will be communicated to all registered I&AP's</p>
<p>6. The name of streets are incorrect, very unprofessional</p> <p>7. What is the impact of radiation and other health environmental issues. This tower is going to be erected next to Eskom power lines which also emit certain amount of radiation</p> <p>8. Suggestion: Relocate tower to Yellowwood Park</p>	D. Moodley	25 May 2009	<p>6. It is unclear which street names are referred to. Please refer to Locality map with street names below.</p>  <p>7. According to the World Health Organization, a large number of studies have been performed over the last two decades to assess whether mobile phones pose a potential health risk. To date, no adverse health effects have been established as being caused by mobile phone use. (http://www.who.int/mediacentre/factsheets/fs193/en/)</p>

Issue	Commentator	Date	Response
			8. Relocation of the tower is not a possibility as the site is for PRASA and the own the site.
9. Objects to the construction of the mast. They have done their research on the effect of this and they cannot allow for this to proceed. 10. Please note that many other residents are not pleased with this and he suggested that a meeting be held with residents before proceeding with anything.	J. Pillay	9 May 2017	9. Objection noted. 10. Noted. A public meeting for this project is not envisaged at this time, However all documents have been made available for comments.
11. Objects to the construction of the mast.	Mrs Marimuthoo	7 June 2017	11. Objection noted.
12. Please note that most of residents in this area has objected to the "proposed construction of a telecommunication" mast. It seems that your company is continuing with this project/EIA assessments etc, despite our objections. I want to place on record that if this project succeeds and if any of our residents develop terminal or chronic diseases that is slightly related to the mast then rest assured the company responsible for the mast will have to face the consequences. Personally, I don't have the time for any further dialogue on this matter and this is my final submission which is not negotiable.	Yugen Moodley 0314000870 0845076521 Email: yugenm@telkomsa.net	2017/10/04	12. Mr Moodley was provided with a copy of the Draft BAR for comment.
13. As indicated below, a copy of the Draft BAR is available via Dropbox download. Please should you email me a Dropbox link to download the draft report. Are there any specialist studies which were also carried out as part of the environmental application process and are these available on Dropbox as well? To better understand the entire process and provide any input and comment (if at all I have any comments), I would need to read through the specialist studies as well.	Craig Burne	02 October 2017	13. The Dropbox Link to the report was provided. No Specialist Studies were undertaken for this project.
14. Various departments at the eThekweni Municipality have had sight of the proposal and the following comments were made: 14.1 eThekweni Electricity Department: The applicant must consult eThekweni Electricity's mains records (held in the drawing office at eThekweni Electricity Headquarters, 1 Jelf Taylor Crescent for the presence of underground electrical services. In addition should any overhead line and/or servitude be affected, the specific permission of the Head: Electricity must be sought regarding the proposed development. 14.1.1 The relocation of MV/LV electrical services, if required in order to accommodate the proposed development, will be carried out at the expense of the applicant. 14.2 Environmental Planning and Climate Protection Department: This Department has revised the application for the proposed telecommunication mast – KZN02 Bayview Station on Portion 1939 of Erf 104 Chatsworth and has no biodiversity objection to the proposed development. 14.3 Land Use Management Branch: The site is reserved for road purposes and forms part of the area used for the metro railway system. The site is therefore already fenced off from general public access and therefore would not require a road closure application. Therefore the only requirement would be a special consent for the telecommunication land use in terms of Clause 34 of the Durban Scheme. The principle of the cellular mast at this location is supported but requires further town planning approvals.	Claire Norton and Diane Van Rensburg eThekweni Municipality – Development Planning & Management Unite Land Use Management Branch	16 November 2017	14.1 Comment Noted 14.1.1 Relocation of electrical services will be for the account of the applicant. 14.2 Comment Noted 14.3 Town planning approvals are being sought. 14.4.1 The site forms part of a railway station. 14.4.2 Comment Noted. 14.4.3 Applicant will meet the sector's requirements. 14.4.4 Comment Noted 14.4.5 Comment Noted 14.4.6 Comment Noted 14.4.7 Comment Noted 14.8 No access will be allowed off Higginson Highway 14.9 Comments noted and to be adhered to. 14.9.2 Comment Noted 14.9.3 Comment Noted 14.9.4 Comment Noted 14.9.5 Comment Noted

Issue	Commentator	Date	Response
<p>14.4 Strategic Spatial Planning Branch: The Strategic Spatial Planning Branch (SSPB) has reviewed the above mentioned application and has the following comments:</p> <p>14.4.1 In terms of the Spatial Development Framework (SDF 2017/2018) and the Central Spatial Development Plan (CSDP 2014/2015), the site is identified as a rail station.</p> <p>14.4.2 The proposed construction of the Monopole Mast with associated Telecommunication Infrastructure on Portion 1939 of Erf 104 Chatsworth does not appear to be directly interfering with any residential properties. In view of the above, the Strategic Spatial Planning Branch has no objection to the proposal subject to: Application meeting all the base Telecommunication Transceiver Station Environmental Health requirements in the eThekweni Cell Mast Policy (27/10/2005) specifically, Clause 34 (Base Telecommunications Transceiver Stations (cellular masts)) Section 4, No 4.1 and 4.4 of the Durban Town Planning Scheme.</p> <p>14.4.3 Further, please note; This Branch's comment is subjected to the applicant meeting all sector Department requirements.</p> <p>14.4.4 This support should not be deemed to be an approval of the eThekweni Municipality.</p> <p>14.4.5 This Branch reserves the right to comment further should the need arise.</p> <p>14.5 Coastal, Stormwater and Catchment Management: No comment on this application.</p> <p>14.6 Parks, Leisure and Cemeteries: No comment on this application.</p> <p>14.7 Pavement and Geotechnical Engineering: No Geotechnical objection.</p> <p>14.8 eThekweni Transport Authority: No objection to the proposed application for the development of a telecommunication mast on Portion 1939 of Erf 104 Chatsworth situated at the Bayview Train Station. This development has no traffic impact however, it should be noted that access to the telecommunication mast site will not be allowed off Higginson Highway.</p> <p>14.9 Environmental Health Department: No objection is lodged to the application subject to the following conditions being adhered to:</p> <p>14.9.1 During the Construction phase the following must be taken into consideration:</p> <ul style="list-style-type: none"> • There must be no negative impact to the surrounding communities and structures. • The applicant or owners must ensure that no health problems, noise, nuisances or any safety related problems are caused to the surrounding premises and residents. • Any work or construction must take place only during working hours and not after hours. • All storage of building material to be undertaken in an approved manner and not to cause any health nuisances or disturbance or environmental concerns. • All contracted workers must be provided with the prescribed personal protective wear and equipment for such activity including sanitary facilities. • All health and safety measures must be taken with regards to employee / staff engaged in such work, and access to the site must be restricted only to the construction workers. • Ensure no health nuisances/problems are generated by way of emission of dust or any other related air emission problems/ nuisances/ disturbances. <p>14.9.2 No environmental health related problems to be cause to the surrounding community and areas and no noise nuisance or disturbances to be caused to the surrounding sites and residents at all times.</p> <p>14.9.3 There must be no access to the site/station by general public or animals.</p>			

Issue	Commentator	Date	Response
<p>14.9.4 At any time the Municipality may request compliance monitoring by an independent certified expert to verify any issues relating to the siting and operation of the proposed TI to assess that RF EME (Radio Frequency Electro Magnetic Emission) levels are within standards set for public exposure guidelines.</p> <p>14.9.5 In the event of measurement showing evidence that the RF EME levels exceed the ICNIRP public exposure guidelines, the NDOH and the Municipality must be notified and the NDOH and Municipality may take appropriate action required at such time in order to further investigate and close or discontinue the TI site, if so required.</p> <p>14.10 eThekweni Water and Sanitations Department: The Sanitation Planning Branch and Water Design Branch has no objection to the installation of the proposed telecommunication mast.</p> <p>14.11 Durban Solid Waste: The Department has no requirement for this proposal.</p> <p>14.12 Disaster Management: No comment from this Department.</p> <p>14.13 Fire Safety: No comment received.</p>			
<p>15. The department has the following comments with regards to the proposed project:</p> <p>15.1 It is noted on page 1 that the applicant intends to erect a 30m Monopole mast accompanied by support container at a site located in Kingsburgh within eThekweni Municipality.</p> <p>15.1.1 The applicant must be authorised by this Department prior to the commencement of any activities which trigger water uses as defined in the NWA.</p> <p>15.1.2 It is the responsibility of the Applicant to identify all water uses applicable to the project in terms of Section 21 of the NWA and ensure that all applicable water uses are authorised as such. The applicant must consult with this department if clarity is required with regard to water uses and water use authorisations.</p> <p>15.1.3 Ms. Zama Hadebe (031 336 2700/2767) of this Department's Water use Authorisation Section must be contacted for a pre-application meeting to determine the type of authorisations required and the requirements thereof. The onus is on the Applicant to timeously submit a complete water use licence application to this Department for water uses as stipulated under Section 21 of the NWA in time to avoid unnecessary delays.</p> <p>15.1.4 Please note that if one or more of the water uses for this project requires a water use licence authorisation then by default all other water uses for the project, even those that are within ambit of a General Authorisation, must be all applied for in a single Integrated Water Use License (IWUL) application.</p> <p>15.2 This Department demands to know the source of water for this intended development. The Applicant must clearly indicate where and how the water the water required for construction will be sourced and brought to site.</p> <p>15.2.1 A copy of the Service Level Agreement (SLA) and / or proof of communication between the Applicant and the Water Services Provider which indicates that there would be enough capacity to cater for the construction needs of the project must be included in the Report.</p> <p>15.2.2 Should the Applicant require to abstract water from a water resource for construction, then this will constitute a water use in terms of Section 21(a) of the NWA and the Applicant will require prior authorisation from this Department before commencement of any abstraction.</p> <p>15.2.3 Further to item 2.2 above the Applicant must indicate the proposed source to be used as well as details of the sustainability of that source in relation to the proposed abstraction rates and volumes.</p> <p>15.3 Page 11 of the EMPr states, "There will be ablution facilities provide on the construction site for use by the construction</p>	<p>Mr N Leburu/ Ms TF Dlamini Kwazulu-Natal - Department of Water & Sanitation</p>	<p>11 December 2017</p>	<p>1.1 No activities will take place that trigger a water use as defined in NWA.</p> <p>1.2 See above response</p> <p>1.3 No activities will take place that trigger a water use as defined in NWA.</p> <p>1.4 Noted</p> <p>2 No water is required for the operational phase of the development. Water required during the construction phase will be delivered via tanker. Cement is brought to site via a ready mix truck and contractors normally have a small water tank on site that can be used for the small quantities of water that may be required.</p> <p>3 The EMP has been amended to indicate that:</p> <p>3.1 A local contractor will be appointed to provide and maintain the chemical toilets required during the construction phase. The contents of the toilets are to be disposed of at the nearest sewerage treatment plant and a contract is to be entered into with the contractor to this extent.</p> <p>3.2 No surface water bodies are in close proximity to the site and no water pollution from the chemical toilets are expected.</p> <p>3.3 The toilets are to be situated adjacent to the layout footprint.</p> <p>4 Waste is to be stored in a skip and will be collected by a local contractor.</p> <p>4.1 Waste is to be disposed of at a licensed facility and way bills are to be presented by the contractor of proof of disposal.</p> <p>4.2 The site manager is responsible for waste and will oversee the contractor.</p> <p>4.3 Once the contractor is appointed this information can be provided.</p> <p>5 The area that is disturbed is 100m2 and the site falls in the station site. No impact on stormwater is expected as the station stormwater system is to be utilized.</p> <p>6 The site is to be rehabilitated and grass is to be planted in order to ensure soil</p>

Issue	Commentator	Date	Response
<p>personnel". It is required that these toilets must be situated out of the 1:00 year floodline of a watercourse or outside 100 metres from riparian zone, whichever is greatest distance.</p> <p>15.3.1 The report must clearly indicate who will be responsible for the management of the chemical and where contents of these toilets will be emptied and safely disposed of.</p> <p>15.3.2 The Applicant must indicate how the pollution of water resources from the use of these facilities will be prevented and/ or mitigated. There must be no unacceptable health hazards or impacts arising from the disposal of sewage and wastewater during and post construction.</p> <p>15.3.3 The Applicant must indicate using a construction site layout maps where the chemical toilets will be positioned during the construction phase of the project in order to ensure that they do must not cause any pollution to water resources as well as pose a health hazard.</p> <p>15.4 Page 11 of the EMPr states "No waste will be illegally dumped on site". The Applicant must elaborate on the following with respect to management of waste generated during the project:</p> <p>15.4.1 Where will the waste generated be sorted prior to collection for disposal and how will these areas be demarcated in order that they are clearly identified to ensure proper separation of waste and access control.</p> <p>15.4.2 The responsible personnel for the collection of the different waste streams generated from the project and where the different waste streams will be disposed of.</p> <p>15.4.3 Should the Applicant wish to make use of private contractor instead of eThekweni Municipal Services to dispose the waste generated from the project, the following would apply:</p> <ul style="list-style-type: none"> • The details of the contractor must be made available to this Department. • Safe disposal certificates from a permitted waste disposal site must be kept at hand and must be furnished to this Department when request. <p>15.5 It is vitally important that stormwater is managed along the construction route both during and after construction. The Applicant must develop a stormwater management plan.</p> <p>15.5.1 Where applicable, wetlands must be included as part of the detailed stormwater management plan should a certain percentage of stormwater from the site be allowed to drain towards the wetlands. It is important that any stormwater discharging to the wetland is dissipated prior to entering the permanent, seasonal or temporary zone of the wetland so that it does not cause gully erosion or negatively impact on the hydrological functioning of the wetland.</p> <p>15.5.2 The Applicant must also demonstrate in the plan how the following will be achieved:</p> <ul style="list-style-type: none"> • The separation of stormwater drainage network system away from the waste water (water containing waste) system. • How the construction route will be contoured to ensure free flow of runoff and to prevent the ponding of water. • How drainage will be controlled to ensure that runoff from the construction route will not culminate in off-side pollution or result in damage to properties downstream of any stormwater discharge. <p>15.6 The Applicant must also elaborate on measures to:</p> <ul style="list-style-type: none"> • Prevent or minimise soil erosion on site i.e. pre-, during- and post – construction activities. • What and how erosion control measures will be implemented in areas sensitive to erosion. 			<p>erosion does not take place. Inspections are required after the rainy season and where needed areas are to be rehabilitated.</p>

9.6 Final Basic Assessment Report

The final stage in the Basic Assessment process will entail the capturing of responses and comments from I&APs on the Draft BAR in order to refine the BAR, and ensure that all issues of significance are addressed. The Final BAR will be submitted to the competent authority for review and decision-making once the I&AP's have been given 30 days to comment thereon.

10 GENERAL DESCRIPTION OF THE STUDY AREA

10.1 Soils and Geology

According to Mucina and Rutherford (2006), Ordovician Natal Group Sandstone, Dwyka tillite, Ecca shale and Mapumulo gneiss (Mokolian) dominate the landscapes of the KwaZulu-Natal Coastal Belt. Weathering of old dunes has produced the red sand, called the Berea Red Sand, in places. The soils supported by the abovementioned rocks are shallow over hard sandstones and deeper over younger, softer rocks.

10.2 Climate

The area is characterised by summer rainfall, with some rainfall in winter as well as high air humidity and no incidence of frost.

10.3 Vegetation

According to Mucina and Rutherford (2006) the site falls within the KwaZulu-Natal Coastal Belt vegetation type. At present the KwaZulu-Natal Coastal Belt is affected by an intricate mosaic of very extensive sugarcane fields, timber plantations and coastal holiday resorts, with interspersed secondary *Aristida* grasslands, thickets and patches of coastal thornveld.

Vegetation on site has been disturbed as the site consists of buildings, platform structures, paved areas and a railway line. Areas planted with grass are present on the site.



Figure 8: A view of the site

10.4 Hydrology

The site is not affected by surface water bodies.

10.5 Cultural and social features

According to the National Heritage Resources Act, 1999 (Act No. 25 of 1999) provisions are made to protect national heritage and this forms an integral part of the environmental assessment process.

The site has been fully developed and no sites of cultural heritage significance were identified within the development boundary; therefore no specific mitigation measures are needed for the development. Care should however be taken when the construction phase of the project commences. If any historical site features or artefacts are discovered, a qualified archaeologist will be commissioned to investigate and SAHRA or Amafa aKwaZulu-Natali will be informed.

11 ENVIRONMENTAL IMPACT ASSESSMENT

The impact of the related project activities have been determined by identifying the environmental aspects and then undertaking an environmental risk assessment to determine the significance of the environmental impacts during the construction and operational phases of the proposed development.

Due to the nature of the development it is anticipated that the infrastructure will be permanent, thus not requiring decommissioning or rehabilitation.

11.1 Methodology

The potential environmental impacts associated with the project will be evaluated according to the nature, extent, duration, intensity, probability and significance of the impacts, whereby:

- **Nature:** A brief written statement of the environmental aspect being impacted upon by a particular action or activity.
- **Extent:** The area over which the impact will be expressed. Typically, the severity and significance of an impact have different scales and as such bracketing ranges are often required. This is often useful during the detailed assessment phase of a project in terms of further defining the determined significance or intensity of an impact. For example, high at a local scale, but low at a regional scale;
- **Duration:** Indicates what the lifetime of the impact will be;
- **Intensity:** Describes whether an impact is destructive or benign;
- **Probability:** Describes the likelihood of an impact actually occurring; and
- **Cumulative:** In relation to an activity, means the impact of an activity that in itself may not be significant but may become significant when added to the existing and potential impacts eventuating from similar or diverse activities or undertakings in the area.

The tables below provide a description of the methodology utilised in the rating of the significance of impacts.

Table 3: Methodology

Rating	Definition of Rating	Score
A. Extent – <i>the area in which the impact will be expected</i>		
None		0

Local	Confined to project or study area or part thereof (eg. site)	1
Regional	The region, which may be defined in various ways, eg. Cadastral, catchment, topographic	2
(Inter) national	Nationally or beyond	3
B. Intensity – the magnitude or size of the impact		
None		0
Low	Natural and/or social functions and processes are negligibly altered	1
Medium	Natural and/or social functions and processes continue albeit in a modified way	2
High	Natural and/or social functions or processes are severely altered	3
C. Duration – the time frame for which the impact will be experienced		
None		0
Short term	Up to 2 years	1
Medium term	2 – 15 years	2
Long Term	More than 15 years	3

The combined score of these three criteria corresponds to a Consequence Rating, as set out in the table below:

Table 4: Method used to determine the consequence score

Combined score (A+B+C)	0 - 2	3 - 4	5	6	7	8-9
Consequence Rating	Not significant	Very low	Low	Medium	High	Very high

Once the consequence is derived, the probability of the impact occurring is considered, using the probability classifications indicated in the table below:

Table 5: Method used to determine probability

Probability of impact – the likelihood of the impact occurring	
Improbable	< 40% chance of occurring
Possible	40% - 70% chance of occurring

Probable	> 70% - 90% chance of occurring
Definite	> 90% chance of occurring

The overall significance of impacts is determined by considering consequence and probability using the rating system indicated in the table below:

Table 6: Impact significance rating

Significance Rating	Consequence		Probability
Insignificant	Very low	&	Improbable
	Very low	&	Possible
Very Low	Very low	&	Probable
	Very low	&	Definite
	Low	&	Improbable
	Low	&	Possible
Low	Low	&	Probable
	Low	&	Definite
	Medium	&	Improbable
	Medium	&	Possible
Medium	Medium	&	Probable
	Medium	&	Definite
	High	&	Improbable
	High	&	Possible
High	High	&	Probable
	High	&	Definite
	Very high	&	Improbable
	Very high	&	Possible
Very High	Very high	&	Probable
	Very high	&	Definite

In conclusion the impacts are also considered in terms of their status (positive or negative impact) and the confidence in the ascribed impact significance rating. The prescribed system for considering impacts status and confidence (in assessment) is indicated in the table below.

Table 7: Impact status and confidence classification

Status of Impact	
Indication of where the impact is adverse (negative) or beneficial (positive)	+ ve (positive – a 'benefit')
	- ve (negative – a 'cost')
	Neutral
Confidence of assessment	

The degree of confidence in predictions based on available information, EAP's judgement and/or specialist knowledge	Low
	Medium
	High

The impact significance rating was considered in the Impact Assessment process based on the implications of ratings ascribed below:

- Insignificant: the potential impact is negligible and will not have an influence on the decision regarding the proposed activity / development;
- Very low: the potential impact should not have any meaningful influence on the decision regarding the proposed activity / development;
- Low: the potential impact may not have any meaningful influence on the decision regarding the proposed activity / development;
- Medium: the potential impact should influence the decision regarding the proposed activity / development;
- High: the potential impact will affect the decision regarding the proposed activity / development;
- Very high: The proposed activity should only be approved under special circumstances.

11.2 Impacts that may result from the construction and operational phase

The tables below provide a description of the potential impacts, the significance rating of the impacts, proposed mitigation and significance rating of the impacts after mitigation that are likely to occur as a result of the proposed development.

Table 8: Potential impacts for Alternative 1 during the Construction and Operational phase

Potential Impact	Extent A	Intensity B	Duration C	Consequence A+B+C	Probability	Impact Significance	Status	Confidence
CONSTRUCTION PHASE								
1. ISSUE: AIR QUALITY								
1.1 Dust/Air pollution - The generation of fugitive dust associated with construction activities & earthworks	Local (1)	Medium (2)	Short term (1)	Very Low (4)	Definite	Very Low & Definite = Very Low	-ve	High
2. ISSUE: VISUAL IMPACTS								
2.1 Visual impacts due to clearance of site cut and fill	Local (1)	Medium (2)	Short term (1)	Very Low (4)	Probable	Very Low & Probable = Very Low	-ve	Medium
3. ISSUE: GEOLOGY AND SOILS								
3.1 Disturbance of surface geology for development foundations	Local (1)	Medium (2)	Short term (1)	Very Low (4)	Definite	Very Low & Definite = Very Low	-ve	High
3.2 Soil erosion, loss of topsoil, deterioration of soil quality	Local (1)	Medium (2)	Short term (1)	Very Low (4)	Definite	Very Low & Definite = Very Low	-ve	High
3.3 Soil and ground water pollution	Local (1)	High (3)	Short term (1)	Low (5)	Probable	Low & Probable = Low	-ve	High
4. ISSUE: FAUNA AND FLORA								

Potential Impact	Extent A	Intensity B	Duration C	Consequence A+B+C	Probability	Impact Significance	Status	Confidence
4.1 Degradation, destruction of habitats/ecosystems.	Local (1)	Low (1)	Short term (1)	Very Low (3)	Probable	Very Low & Probable = Very Low	-ve	High
4.2 Impacts on fauna and flora	Local (1)	Low (1)	Short term (1)	Very Low (3)	Probable	Very Low & Probable = Very Low	-ve	Medium
5. ISSUE: HYDROLOGY								
5.1 Storm water flow and drainage - Developments cause the modification of drainage patterns. Storm water may be concentrated at certain points, increasing the velocity of flow in one area and reducing flow in another. This may contribute to flooding, soil erosion, and sedimentation	Local (1)	Medium (2)	Short term (1)	Very Low (4)	Probable	Very Low & Probable = Very Low	-ve	Medium
6. SOCIO-ECONOMIC AND CULTURAL HISTORICAL ENVIRONMENT								
6.1 Noise and vibration	Local (1)	Medium (2)	Short term (1)	Very Low (4)	Definite	Very Low & Definite = Very Low	-ve	Medium
6.2 Job opportunities	Region (2)	High (3)	Short term (1)	Medium (6)	Definite	Medium & Definite = Medium	+ve	Medium
6.3 Destruction of cultural/heritage sites	None (0)	None (0)	None (0)	Not Significant (0)	Improbable	Not significant & Improbable = Not significant	-ve	Medium
7. ISSUE: SOCIAL WELL-BEING AND QUALITY OF THE ENVIRONMENT								
7.1 Safety and Security	Local (1)	Medium (2)	Short term (1)	Very Low (4)	Probable	Very Low & Probable = Very Low	-ve	Medium
8. ISSUE: INFRASTRUCTURE AND SERVICES/WASTE								
8.1 Waste	Local (1)	High (3)	Short term (1)	Low (5)	Definite	Low & Definite = Low	-ve	Medium
OPERATIONAL PHASE								

Potential Impact	Extent A	Intensity B	Duration C	Consequence A+B+C	Probability	Impact Significance	Status	Confidence
1. ISSUE: FAUNA AND FLORA								
1.1 Alien invasion	Local (1)	Medium (2)	Long term (3)	Medium (6)	Probable	Medium & Probable = Medium	-ve	High
2. ISSUE: SOCIAL WELL-BEING AND QUALITY OF THE ENVIRONMENT								
2.1 Safety and Security	Local (1)	Medium (2)	Long term (3)	Medium (6)	Probable	Medium & Probable = Medium	-ve	High
3.ISSUE: TRAFFIC								
3.1 Structure might impact on air traffic if it does not have day night markings	Local (1)	High (3)	Long term (3)	High (7)	Probable	High & Probable = High	-ve	High
4. ISSUE: VISUAL								
4.1 Visual impact on adjacent land users.	Local (1)	Medium (2)	Long term (3)	Medium (6)	Definite	Medium & Definite = Medium	-ve	High
5. ISSUE: HEALTH								
5.1 Electromagnetic radiation	Local (1)	Medium (2)	Long term (3)	Medium (6)	Probable	Medium & Probable = Medium	-ve	High
6. ISSUE: PROPERTY VALUES								
6.1 Devaluation of properties	Local (1)	Medium (2)	Long term (3)	Medium (6)	Probable	Medium & Probable = Medium	-ve	High

Table 9: Potential impacts for Alternative 2 during the Construction and Operational phases

Potential Impact	Extent A	Intensity B	Duration C	Consequence A+B+C	Probability	Impact Significance	Status	Confidence
The impacts of Alternative 2 are similar to that of Alternative 1 with the following exception:								
OPERATIONAL PHASE								
4. ISSUE: VISUAL								

Potential Impact	Extent A	Intensity B	Duration C	Consequence A+B+C	Probability	Impact Significance	Status	Confidence
4.1 Visual impact on adjacent land users.	Local (1)	High (3)	Long term (3)	High (7)	Definite	High & Definite = High	-ve	High

Table 10: Impact Significance Rating for Alternative 1 for the Construction and Operational phase

Potential Impacts	Significance rating of impacts before mitigation	Mitigation	Significance rating of impacts after mitigation
CONSTRUCTION PHASE			
1. ISSUE: AIR QUALITY			
1.1 Dust/Air pollution - The generation of fugitive dust associated with construction activities & earthworks.	Very Low	<ul style="list-style-type: none"> Dust generation should be kept to a minimum. Dust must be suppressed on construction areas during dry periods by the regular application of water or a biodegradable soil stabilisation agent. Speed limits must be implemented in all areas, including public roads and private property to limit the levels of dust pollution. It is recommended that the clearing of vegetation from the site should be selective and done just before construction so as to minimise erosion and dust. Excavating, handling or transporting erodible materials in high wind or when dust plumes are visible shall be avoided. All materials transported to site must be transported in such a manner that they do not fly or fall off the vehicle. This may necessitate covering or wetting friable materials. No burning of refuse or vegetation is permitted. 	Very Low
2. ISSUE: VISUAL IMPACTS			
2.1 Visual Impacts due to clearance of site cut and fill.	Very Low	<ul style="list-style-type: none"> Site development to be limited to footprint area. 	Very Low
3. ISSUE: GEOLOGY AND SOILS			
3.1 Disturbance of surface geology for development foundations	Very Low	<ul style="list-style-type: none"> Strip topsoil prior to any construction activities. Reuse topsoil to rehabilitate disturbed areas. 	Very Low

Potential Impacts	Significance rating of impacts before mitigation	Mitigation	Significance rating of impacts after mitigation
		<ul style="list-style-type: none"> • Topsoil must be kept separate from overburden and must not be used for building purposes or maintenance or access roads. • Appropriate erosion and storm water management structures must be installed around the construction site. 	
3.2 Soil erosion, loss of topsoil, deterioration of soil quality	Very Low	<ul style="list-style-type: none"> • Ensure correct position of construction caps, equipment yards, refueling depots, concrete batching plant etc. to avoid areas susceptible to soil and water pollution. • Ensure appropriate handling of hazardous substances • Remediate polluted soil. • All construction vehicles, plant, machinery and equipment must be properly maintained to prevent leaks. • Plant and vehicles are to be repaired immediately upon developing leaks. Drip trays shall be supplied for all repair work undertaken on machinery on site or campsite area. • Drip trays are to be utilised during daily greasing and re-fueling of machinery and to catch incidental spills and pollutants. • Drip trays are to be inspected daily for leaks and effectiveness, and emptied when necessary. This is to be closely monitored during rain events to prevent overflow. • Vehicles to be used during the construction phase are to be kept in good working condition and should not be the source of excessive fumes. • Fuels and chemicals must be stored in adequate storage facilities that are secure, enclosed and banded. • All excavations and foundations must be inspected regularly. 	Very Low
3.3 Soil and ground water pollution	Low	<ul style="list-style-type: none"> • Site development to be limited to footprint area. 	Very Low

Potential Impacts	Significance rating of impacts before mitigation	Mitigation	Significance rating of impacts after mitigation
4. ISSUE: FAUNA AND FLORA			
4.1 Degradation, destruction of habitats/ecosystems.	Very Low	<ul style="list-style-type: none"> Minimise construction footprints prior to commencement of construction and control all edge effects of construction activities (proliferation of alien vegetation, disturbance of soils, dumping of construction waste). Ensure that erosion management and sediment controls are strictly implemented from the beginning of site clearing activities. Clearly demarcate areas to be cleared and ensure that vegetation clearing only occurs within the demarcated areas 	Very Low
4.2 Impacts on fauna and flora	Very Low	<ul style="list-style-type: none"> The contractor must ensure that no fauna species are disturbed, trapped, hunted or killed during the construction phase. The illegal hunting or capture of wildlife will not be tolerated. Such matters will be handed over to the relevant authorities for prosecution. Disturbance to birds, animals and reptiles and their habitats should be prevented at all times. All Declared Weeds and invaders must be removed. Rehabilitation with indigenous species, should it be required. 	Very Low
5. ISSUE: HYDROLOGY			
5.1 Storm water flow and drainage- Developments cause the modification of drainage patterns. Storm water may be concentrated at certain points, increasing the velocity of flow in one area and reducing flow in another. This may contribute to flooding, soil erosion, and sedimentation.	Very Low	<ul style="list-style-type: none"> Storm water measures to be implemented prior to construction taking place on site: All measures should be implemented during the construction of earthworks (terraces and roadways) to ensure that disturbed soil is not transported into any water course or system where storm water is to flow. Building rubble and other products that can cause contamination must be managed according to best practice and monitored by the site's environmental control officer (ECO). 	Very Low
6. SOCIO-ECONOMIC AND CULTURAL HISTORICAL ENVIRONMENT			

Potential Impacts	Significance rating of impacts before mitigation	Mitigation	Significance rating of impacts after mitigation
6.1 Noise and vibration	Very Low	<ul style="list-style-type: none"> Noise levels shall be kept within acceptable limits, and construction crew must abide by National Noise Laws and local by-laws regarding noise. No sound amplification equipment such as sirens, loud hailers or hooters are to be used on site except in emergencies and no amplified music is permitted on site. Construction / management activities involving use of the service vehicle, machinery, hammering etc, must be limited to the hours between 7:00am and 5:30pm weekdays; 7:00am and 1:30pm on Saturdays; no noisy activities may take place on Sundays or Public Holidays. Activities that may disrupt neighbours (e.g. delivery trucks, excessively noisy activities etc.) must be preceded by notice being given to the affected neighbours at least 24 hours in advance. Equipment that is fitted with noise reduction facilities (e.g. side flaps, silencers etc.) must be used as per operating instructions and maintained properly during site operations 	Very Low
6.2 Job opportunities	Medium	<ul style="list-style-type: none"> Make use of local labour Provide clear and realistic information regarding employment opportunities and other benefits for local communities in order to prevent unrealistic expectations. 	Medium (Positive)
6.3 Destruction of cultural/heritage sites	Insignificant	<ul style="list-style-type: none"> Ensure that construction staff members are aware that heritage resources could be unearthed and the scientific importance of such finds. Ensure that heritage objects are not to be moved or destroyed without the necessary permits from the South African Heritage Resources Agency (SAHRA) in place. 	Insignificant

Potential Impacts	Significance rating of impacts before mitigation	Mitigation	Significance rating of impacts after mitigation
7. ISSUE: SOCIAL WELL-BEING AND QUALITY OF THE ENVIRONMENT			
7.1 Safety and Security	Very Low	<ul style="list-style-type: none"> • Signs should be erected on all entrance gates to the site camp indicating that no temporary jobs are available, thereby limiting opportunistic labourers and crime. • The site and crew are to be managed in strict accordance with the Occupational Health and Safety Act (Act No. 85 of 1993) and the National Building Regulations • All structures that are vulnerable to high winds must be secured (including toilets). • Potentially hazardous areas such as trenches are to be cordoned off and clearly marked at all times. • The Contractor is to ensure traffic safety at all times, and shall implement road safety precautions for this purpose when works are undertaken on or near public roads. • Necessary Personal Protective Equipment (PPE) and safety gear appropriate to the task being undertaken is to be provided to all site personnel (e.g. hard hats, safety boots, masks etc.). • All vehicles and equipment used on site must be operated by appropriately trained and / or licensed individuals in compliance with all safety measures as laid out in the Occupational Health and Safety Act (Act No. 85 of 1993) (OHSA). • An environmental awareness training programme for all staff members shall be put in place by the Contractor. Before commencing with any work, all staff members shall be appropriately briefed about the EMP and relevant occupational health and safety issues. • All construction workers shall be issued with ID badges and clearly identifiable uniforms. 	Very Low

Potential Impacts	Significance rating of impacts before mitigation	Mitigation	Significance rating of impacts after mitigation
		<ul style="list-style-type: none"> • Access to fuel and other equipment stores is to be strictly controlled. • Emergency procedures must be produced and communicated to all the employees on site. This will ensure that accidents are responded to appropriately and the impacts thereof are minimised. This will also ensure that potential liabilities and damage to life and the environment are avoided. • Adequate emergency facilities must be provided for the treatment of any emergency on the site. • The nearest emergency service provider must be identified during all phases of the project as well as its capacity and the magnitude of accidents it will be able to handle. Emergency contact numbers are to be displayed conspicuously at prominent locations around the construction site and the construction crew camps at all times. • The Contractor must have a basic spill control kit available at each construction crew camp and around the construction site. The spill control kits must include absorptive material that can handle all forms of hydrocarbon as well as floating blankets / pillows that can be placed on water courses. • The Contractor shall make available safe drinking water fit for human consumption at the site offices and all other working areas. • Washing and toilet facilities shall be provided on site and in the Contractors camp. • Adequate numbers of chemical toilets must be maintained in the Contractors camp to service the staff using this area. At least 1 toilet must be available per 20 workers using the camp. Toilet paper must be provided. 	

Potential Impacts	Significance rating of impacts before mitigation	Mitigation	Significance rating of impacts after mitigation
		<ul style="list-style-type: none"> The chemical toilets servicing the camp must be maintained in a good state, and any spills or overflows must be attended to immediately. The chemical toilets must be emptied on a regular basis. The Contractors site must be located on the high side of the site so any leakages or spillages will be contained on site. HIV AIDS awareness and education should be undertaken by all Contractor staff. 	
8. ISSUE: INFRASTRUCTURE AND SERVICES/WASTE			
8.1 Waste	Low	<ul style="list-style-type: none"> No burning of waste. Waste will be collected and removed off-site to a registered waste site. 	Very Low
OPERATIONAL PHASE			
1. ISSUE: FAUNA AND FLORA			
1.1. Alien invasion	Medium	<ul style="list-style-type: none"> Site to be kept neat and weed free. 	Low
2. ISSUE: SOCIAL WELLL BEING AND QUALITY OF THE ENVIRONMENT			
2.1 Safety and Security	Medium	<ul style="list-style-type: none"> Site to be secured. Regular checkup on fencing. 	Low
3. ISSUE: TRAFFIC			
3.1 Structure might impact on air traffic if it does not have day night markings	High	<ul style="list-style-type: none"> Mast to have Markings 	Medium
4. ISSUE: VISUAL			
4.1 Visual impact on adjacent land users.	Medium	<ul style="list-style-type: none"> The proposed monopole structure, is compatible with the surrounding land uses. Telecommunication infrastructure should be designed and sited to minimise any potential adverse visual impact on the character and amenity of the local environment, in particular impacts on prominent landscape features, general view in the locality and individual significant views. Telecommunication infrastructure (TI) must be designed and sited to minimise, mitigate or 	Low


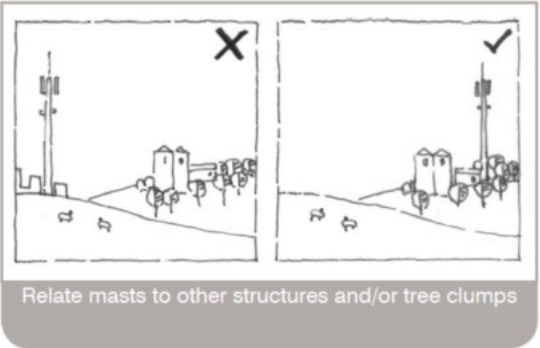
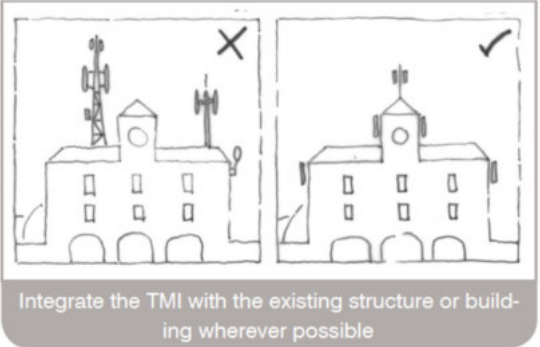
Potential Impacts	Significance rating of impacts before mitigation	Mitigation	Significance rating of impacts after mitigation
		<p>avoid adverse impacts on the visual character and amenity of residential areas.</p> <ul style="list-style-type: none"> • Techniques which may be used to minimise adverse visual impacts may include: <ul style="list-style-type: none"> ➤ Adjustment of the overall size; ➤ Colour coding to match the predominant background (e.g. sky, vegetation); ➤ Designing the infrastructure as a work of urban art/as another structure (e.g. flagpole, signpost, tree) ➤ Cables should be placed underground, unless it is impractical to do so and there would be no significant effect on visual amenity. ➤ TI support structures should be located where vegetation (trees), landforms or other features of a site will adequately screen or reduce the impact of the TI from public areas and reduce the visual impact. (i.e. locate TI within industrial, commercial or business areas where possible) 	

Figure 9: Mitigate visual impacts

Potential Impacts	Significance rating of impacts before mitigation	Mitigation	Significance rating of impacts after mitigation
		<p data-bbox="1093 252 1646 375">Source: www.emrsa.co.za/wp-content/uploads/2016/09/20150817-TMIP-final-approved.pdf</p>  <p data-bbox="1093 774 1391 802">Figure 10: Visual impacts 2</p> <p data-bbox="1093 817 1599 906">Source: www.emrsa.co.za/wp-content/uploads/2016/09/20150817-TMIP-final-approved.pdf</p>  <p data-bbox="1093 1295 1480 1324">Figure 11: Mitigate visual impacts 3</p>	

Potential Impacts	Significance rating of impacts before mitigation	Mitigation	Significance rating of impacts after mitigation
		Source: www.emrsa.co.za/wp-content/uploads/2016/09/20150817-TMIP-final-approved.pdf	
5. ISSUE: HEALTH			
5.1 Electromagnetic radiation	Medium	<ul style="list-style-type: none"> • Site to be inspected regularly • Routine maintenance • Regular measurement of levels 	Low
6. ISSUE: PROPERTY VALUES			
6.1 Devaluation of properties	Medium	<ul style="list-style-type: none"> • No mitigation is possible as it is uncertain to what extent the telecommunication mast will impact on the property values, however it is understood that if the mitigation measures for the visual impact are adequately implemented, then this potential impact might be offset. 	Low

Table 11: Impact Significance Rating for Alternative 2 for the Construction and Operational phase

Potential Impacts	Significance rating of impacts before mitigation	Mitigation	Significance rating of impacts after mitigation
CONSTRUCTION PHASE			
1. ISSUE: AIR QUALITY			
The impacts of Alternative 2 are similar to that of Alternative 1 with the following exception:			
4. ISSUE: VISUAL			
4.1 Visual impact on adjacent land users.	High	<ul style="list-style-type: none"> • The lattice structure, is not as compatible with the surrounding land uses as the monopole structure. • Telecommunication infrastructure should be designed and sited to minimise any potential adverse visual impact on the character and amenity of the local environment, in particular impacts on prominent landscape features, general view in the locality and individual significant views. 	Medium

Potential Impacts	Significance rating of impacts before mitigation	Mitigation	Significance rating of impacts after mitigation
		<ul style="list-style-type: none"> • Telecommunication infrastructure (TI) must be designed and sited to minimise, mitigate or avoid adverse impacts on the visual character and amenity of residential areas. • Techniques which may be used to minimise adverse visual impacts may include: <ul style="list-style-type: none"> ➤ Adjustment of the overall size; ➤ Colour coding to match the predominant background (e.g. sky, vegetation); ➤ Designing the infrastructure as a work of urban art/as another structure (e.g. flagpole, signpost, tree) ➤ Cables should be placed underground, unless it is impractical to do so and there would be no significant effect on visual amenity. ➤ TI support structures should be located where vegetation (trees), landforms or other features of a site will adequately screen or reduce the impact of the TI from public areas and reduce the visual impact. (i.e. locate TI within industrial, commercial or business areas where possible) 	

11.3 Cumulative impacts associated with the Construction and Operation phases of the proposed development

The following cumulative impacts were identified:

- Disturbance of the site might lead to alien plant infestation.
- Visual impact of the mast. The proposed type of structure, the colour and the position must be compatible with the surrounding land uses.
- There is a socio-economic need for an effective and efficient telecommunication network in the area for economic and safety purposes. Therefore the proposed project will accommodate the interests of the applicant, community and economy.

11.4 Gaps in knowledge or assumptions made in the assessment

No impact assessment can be completely certain of the exact nature and extent of the various impacts that would result from a given development activity. However, this assessment strives to limit any uncertainties by optimising the collection of base data, and by following a rigorous impact assessment methodology.

11.5 Overall summary and reasons for selecting the proposal

- It is understood that the site has already been disturbed for the development of the train station, therefore it is no longer in its pristine state.
- There are no special or sensitive habitats or other natural features present on site.
- The proposed development will not produce any waste during its operational phase.
- The proposed development will not require any water during its operational phase.
- The proposed monopole structure is compatible with the surrounding land uses.

12 ENVIRONMENTAL IMPACT STATEMENT

As a necessary part of infrastructure and a business service, this development is bound to have a positive effect on the surrounding area in terms of communication, and it will provide a needed service to the immediate area.

From a purely biophysical perspective the area to be impacted on by the mast is relatively small and the site has already been disturbed for the development of a train station and there are no sensitive habitats on site.

Besides the Kenneth Stainbank Nature Reserve situated to the east of the site., there are no sensitive habitats such as water bodies present on site or in close proximity to the site.

The biophysical impact of the development will be limited in a regional context, and will be more than offset by the social benefits. The proposed activity can therefore proceed from an environmental perspective.

The construction phase has the greatest impact on the environment even with mitigation. The negative impacts associated with the construction phase include:

- Soil and Ground Water pollution
- Increased run off of water
- Visual Intrusion & Light Pollution
- Destruction of Flora & Fauna
- Noise Pollution
- Atmosphere pollution and odours resulting from dust and construction equipment
- Safety & Security on the site
- Spread of Alien Vegetation

The construction phase will be associated with positive socio-economic impacts in terms of job creation. A number of mitigation measures to reduce or improve these impacts have been identified and are presented in the tables above. A key environmental imperative of the construction phase would be to prevent soil, air, water and noise pollution and erosion on the site.

The negative impacts relating to the operational phase include the following:

- Due to the disturbance of the site alien plants will be able to establish and could become a problem by infesting neighbouring land.
- The visual impact ;

A number of mitigation measures to reduce or improve these impacts have been identified and are presented in the tables above.

The primary positive impacts relate to the improved communications network in the area.

The construction phase will be of short duration and operational phase will have limited environmental impacts if constructed according to the conditions outlined in this report and if managed according to the EMPr.

12.1 Recommendation from Environmental Assessment Practitioner

Based on the information provided it is the opinion of Lokisa Environmental Consulting CC that no fatal flaws have been identified for the proposed development and that the information contained in this report is sufficient enough to allow KZN EDTEA to make an informed decision.

Lokisa Environmental Consulting CC therefore recommends that Environmental Authorisation be granted for the proposed development based on the following recommendations:

- The proposed activity is not anticipated to have significant environmental impacts.
- The following recommendations should be implemented in order to ensure that potential impacts associated with the establishment and operation of the site are minimised:
 - Any areas disturbed during construction and operation must be rehabilitated.
 - The structure is to be removed when the structure ceased to be used for telecommunications purposes and the site rehabilitated.
 - Construction to take place during working hours.
 - Trampling and disturbance associated with construction should be limited to within 5m (five metres) of the footprint of the site.
 - On completion of the project all litter and construction debris shall be immediately removed from the site.
 - Mitigation measures to reduce the potential visual impact should be implemented as far as possible.

12.2 Environmental Management Programme

An Environmental Management Programme (EMPr) (Appendix H) has been produced and provide a set of practical and actionable mitigation, monitoring and institutional measures to be taken into account during the construction and operational phases of the proposed telecommunication mast, should

environmental authorisation be granted. The aim of EMPr is to eliminate adverse environmental and social impacts, offset them, or reduce them to acceptable levels.

13 References

Mucina and Rutherford, 2006. The Vegetation of South Africa, Lesotho and Swaziland, South African National Biodiversity Institute, Kirstenbosch.

www.emrsa.co.za/wp-content/uploads/2016/09/20150817-TMIP-final-approved.pdf

<http://www.kznwildlife.com/kenneth-stainbank.html>

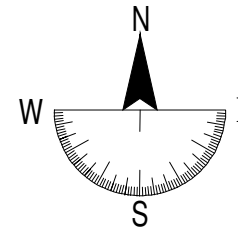
<http://www.who.int/mediacentre/factsheets/fs193/en/>

Appendix A

Locality & Site plan(s)

Aerial Photo

KZN02



SITE DETAIL

SITE NAME - NO.
KZN02

Bayview Station

SITE ADDRESS
HIGGINSON HIGHWAY
1939/104
BAYVIEW

LATITUDE	LONGITUDE	ASL
-29.915635°	30.919433°	149m

APPROVAL

RADIO ENGINEER

NAME	SIGN

PLANNER

NAME	SIGN

ENGINEER

NAME	ECSA No.



Warren Petterson Planning
P.O. Box 44512
Claremont, Cape Town
Tel: (+27 021) 552 5255
Email: corne@wpplanning.co.za

OFFICE

DRAWN BY		CHECKED BY	
NAME	DATE	NAME	DATE
C. Briedenhann	05-09-2016	W. Petterson	05-09-2016

REVISION

No.	REVISION	CAD	DATE
A	PROPOSED DRAWING	CB	05-09-2016

AERIAL MAP

SCALE: NTS

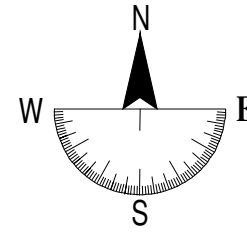
DRAWING NUMBER

SITE No.	SHEET No.	TYPE	REV.
KZN02	A01/06	PRO	A



Locality Map

KZN02



SITE DETAIL

SITE NAME - NO.

KZN02

Bayview Station

SITE ADDRESS

HIGGINSON HIGHWAY

1939/104

BAYVIEW

LATITUDE	LONGITUDE	ASL
-29.915635°	30.919433°	149m

APPROVAL

RADIO ENGINEER

NAME

SIGN

PLANNER

NAME

SIGN

ENGINEER

NAME

ECSA No.



Warren Petterson Planning
P.O. Box 44512
Claremont, Cape Town
Tel: (+27 021) 552 5255
Email: corne@wpplanning.co.za

OFFICE

DRAWN BY

NAME

C. Briedenhann

DATE

05-09-2016

CHECKED BY

NAME

W. Petterson

DATE

05-09-2016

REVISION

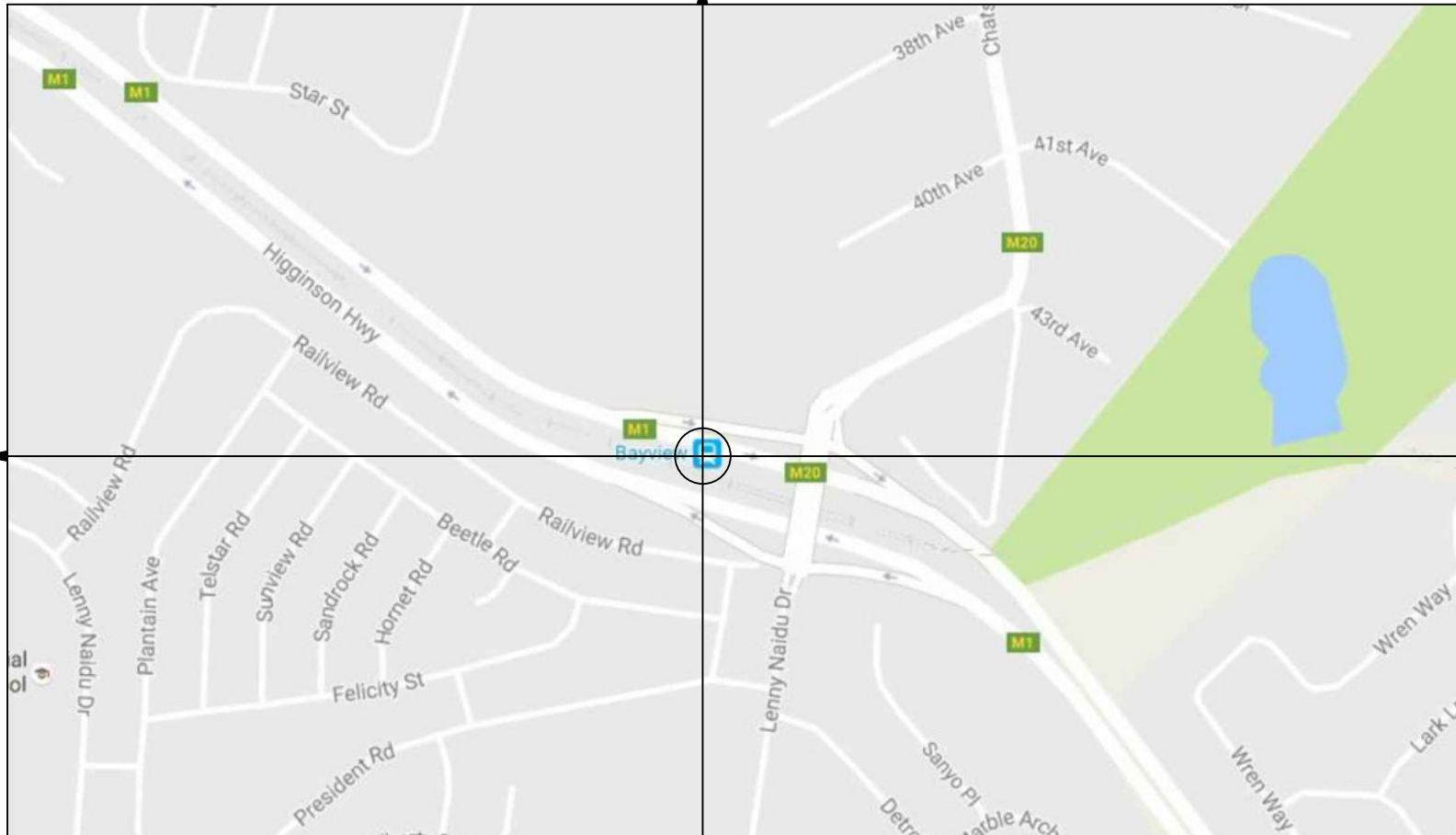
No.	REVISION	CAD	DATE
A	PROPOSED DRAWING	CB	05-09-2016

LOCALITY MAP

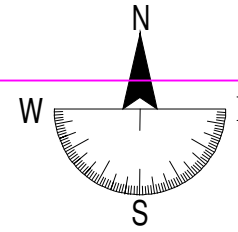
SCALE: NTS

DRAWING NUMBER

SITE No.	SHEET No.	TYPE	REV.
KZN02	A02/06	PRO	A



Site Plan KZN02



SITE DETAIL

SITE NAME - NO.
KZN02
Bayview Station

SITE ADDRESS
HIGGINSON HIGHWAY
1939/104
BAYVIEW

LATITUDE	LONGITUDE	ASL
-29.915635°	30.919433°	149m

APPROVAL

RADIO ENGINEER

NAME	SIGN

PLANNER

NAME	SIGN

ENGINEER

NAME	ECSA No.



Warren Petterson Planning
P.O. Box 44512
Claremont, Cape Town
Tel: (+27 021) 552 5255
Email: corne@wpplanning.co.za

OFFICE

DRAWN BY		CHECKED BY	
NAME	DATE	NAME	DATE
C. Briedenhann	05-09-2016	W. Petterson	05-09-2016

REVISION

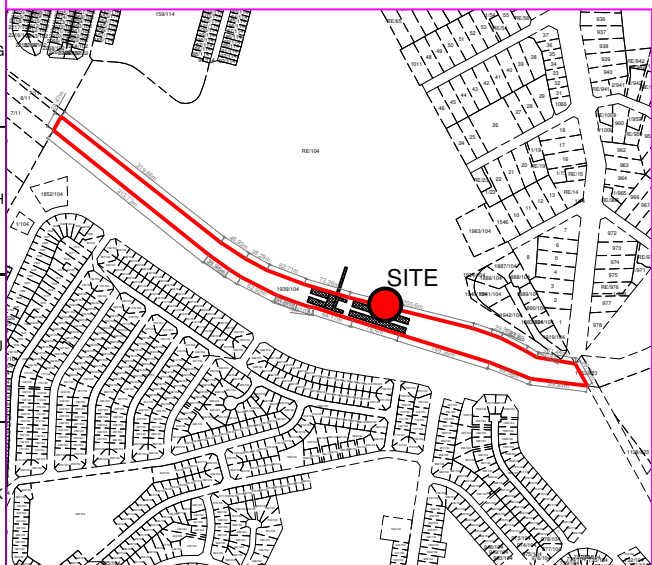
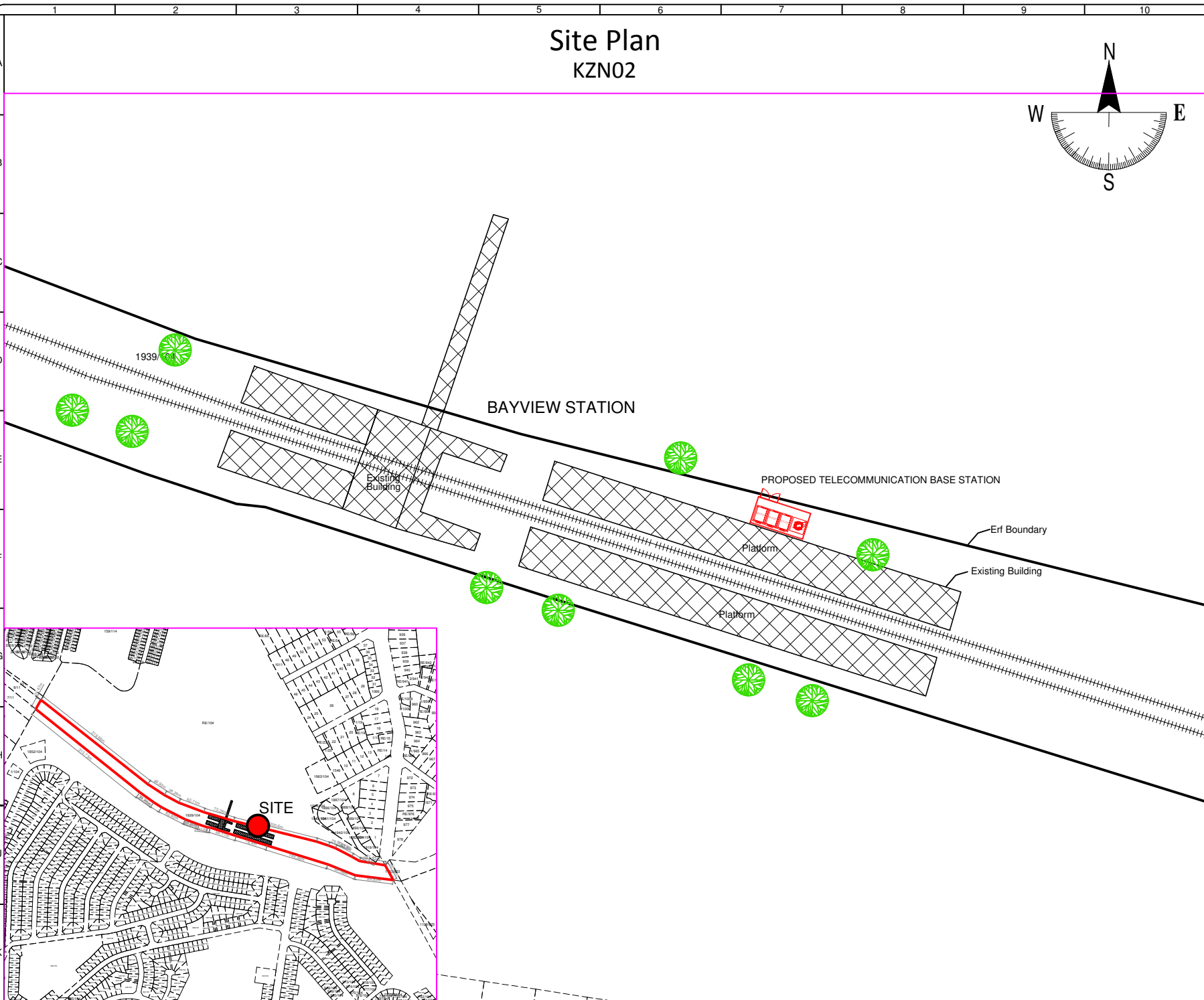
No.	REVISION	CAD	DATE
A	PROPOSED DRAWING	CB	05-09-2016

SITE PLAN

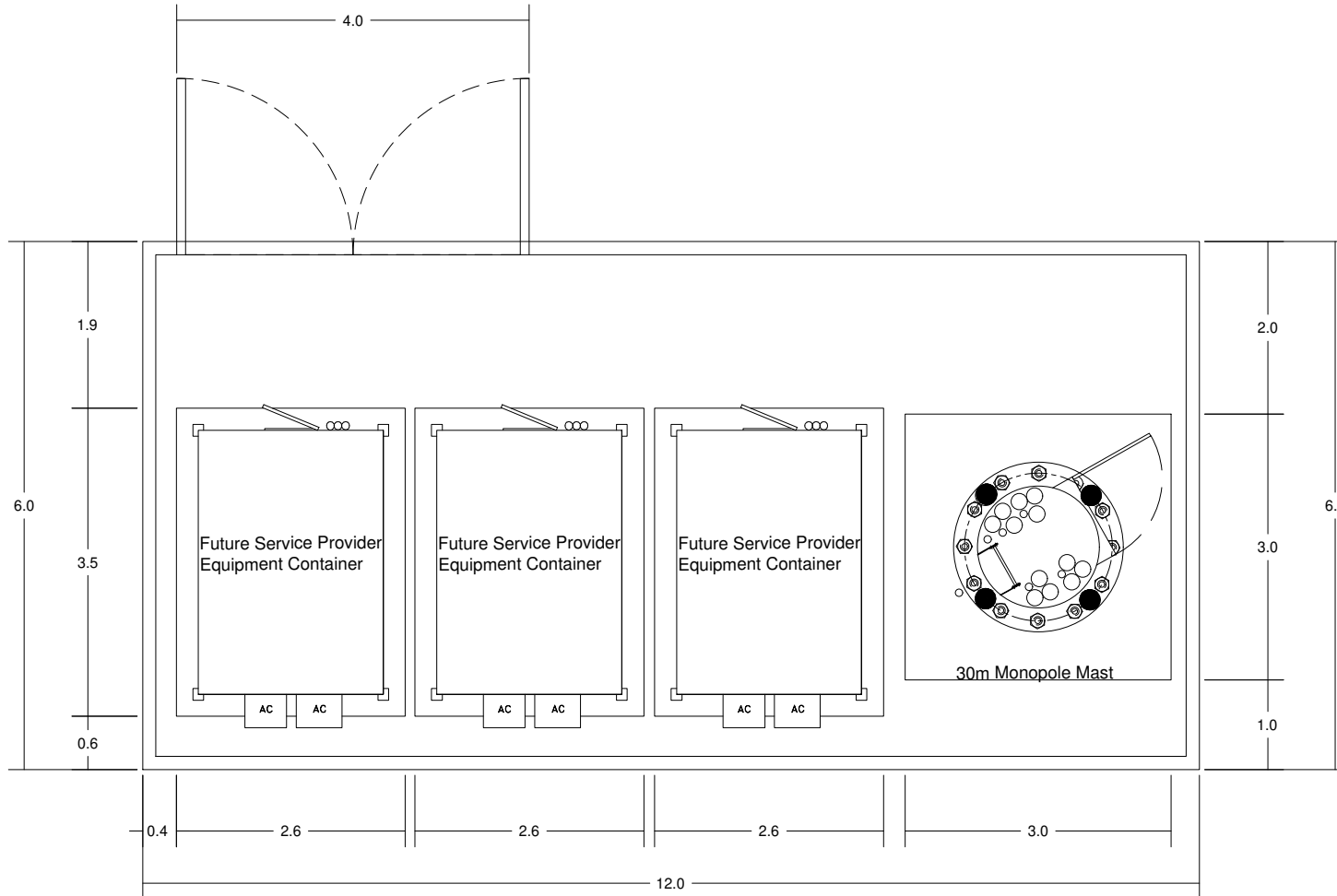
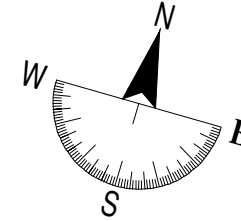
SCALE - 1 : 500

DRAWING NUMBER

SITE No.	SHEET No.	TYPE	REV.
KZN02	A03/06	PRO	A



Top View KZN02



SITE DETAIL

SITE NAME - NO.
KZN02
Bayview Station

SITE ADDRESS
HIGGINSON HIGHWAY
1939/104
BAYVIEW

LATITUDE	LONGITUDE	ASL
-29.915635°	30.919433°	149m

APPROVAL

RADIO ENGINEER	
NAME	SIGN
PLANNER	
NAME	SIGN
ENGINEER	
NAME	ECSA No.



Warren Petterson Planning
P.O. Box 44512
Claremont, Cape Town
Tel: (+27 021) 552 5255
Email: corne@wpplanning.co.za

OFFICE

DRAWN BY		CHECKED BY	
NAME	DATE	NAME	DATE
C. Briedenhann	05-09-2016	W. Petterson	05-09-2016

REVISION

No.	REVISION	CAD	DATE
A	PROPOSED DRAWING	CB	05-09-2016

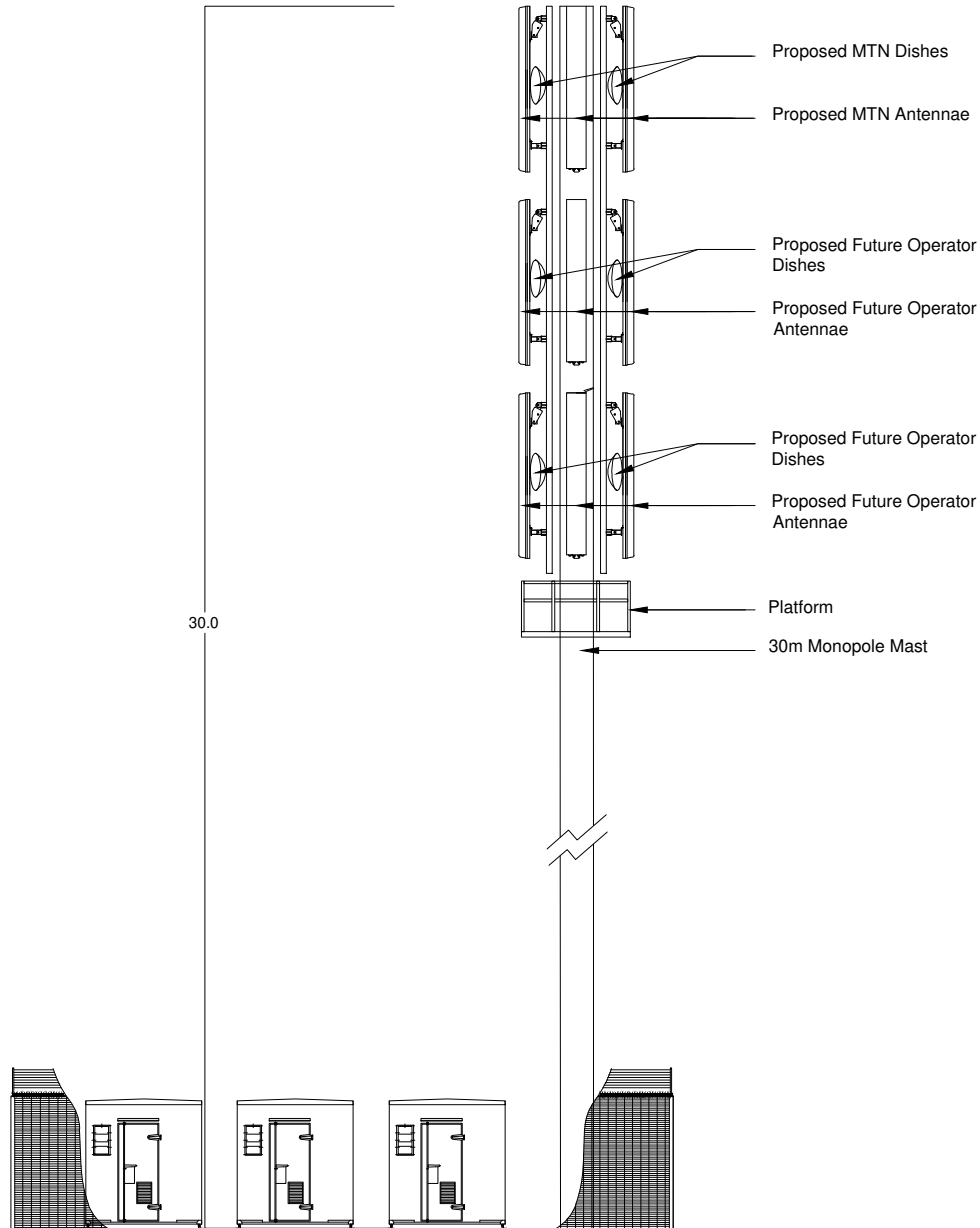
TOP VIEW

SCALE: NTS

DRAWING NUMBER

SITE No.	SHEET No.	TYPE	REV.
KZN02	A04/06	PRO	A

Elevation KZN02



SITE DETAIL

SITE NAME - NO.

KZN02
Bayview Station

SITE ADDRESS

HIGGINSON HIGHWAY
1939/104
BAYVIEW

LATITUDE	LONGITUDE	ASL
-29.915635°	30.919433°	149m

APPROVAL

RADIO ENGINEER

NAME SIGN

PLANNER

NAME SIGN

ENGINEER

NAME ECSA No.



Warren Petterson Planning
P.O. Box 44512
Claremont, Cape Town
Tel: (+27 021) 552 5255
Email: corne@wpplanning.co.za

OFFICE

DRAWN BY CHECKED BY

NAME NAME

C. Briedenhann W. Petterson

DATE DATE

05-09-2016 05-09-2016

REVISION

No.	REVISION	CAD	DATE
A	PROPOSED DRAWING	CB	05-09-2016

ELEVATION

SCALE: NTS

DRAWING NUMBER

SITE No.	SHEET No.	TYPE	REV.
KZN02	A05/06	PRO	A

Photos

KZN02



SITE DETAIL

SITE NAME - NO.
KZN02

Bayview Station

SITE ADDRESS
**HIGGINSON HIGHWAY
1939/104
BAYVIEW**

LATITUDE	LONGITUDE	ASL
-29.915635°	30.919433°	149m

APPROVAL

RADIO ENGINEER

NAME	SIGN

PLANNER

NAME	SIGN

ENGINEER

NAME	ECSA No.



Warren Petterson Planning
P.O. Box 44512
Claremont, Cape Town
Tel: (+27 021) 552 5255
Email: corne@wpplanning.co.za

OFFICE

DRAWN BY	CHECKED BY
NAME C. Briedenhann	NAME W. Petterson
DATE 05-09-2016	DATE 05-09-2016

REVISION

No.	REVISION	CAD	DATE
A	PROPOSED DRAWING	CB	05-09-2016

PHOTOS

SCALE: NTS

DRAWING NUMBER

SITE No.	SHEET No.	TYPE	REV.
KZN02	A06/06	PRO	A



Western View



Eastern View

Appendix B

Photographs

Site Photos: Panoramic view



0°



45°



90°



135°



180°



225°



270°



315°

Site Photos: Photos taken towards the site



Appendix C

Facility illustration(s)



SITE DETAIL

SITE NAME - NO.
KZN02
Bayview Station

SITE ADDRESS
HIGGINSON HIGHWAY
1939/104
BAYVIEW

LATITUDE	LONGITUDE	ASL
-29.915635°	30.919433°	149m

APPROVAL

RADIO ENGINEER
NAME: SIGN

PLANNER

NAME: SIGN

ENGINEER

NAME: ECSA No.



Warren Pettersen Planning
P.O. Box 44512
Claremont, Cape Town
Tel: (+27 021) 552 3255
Email: connie@wpplanning.co.za

OFFICE

DRAWN BY: NAME
C. Briedenhann

CHECKED BY

NAME: W. Pettersen
DATE: 05-09-2016

REVISION

No.	REVISION	CD	DATE
A	PROPOSED DRAWING	CR	05-09-2016

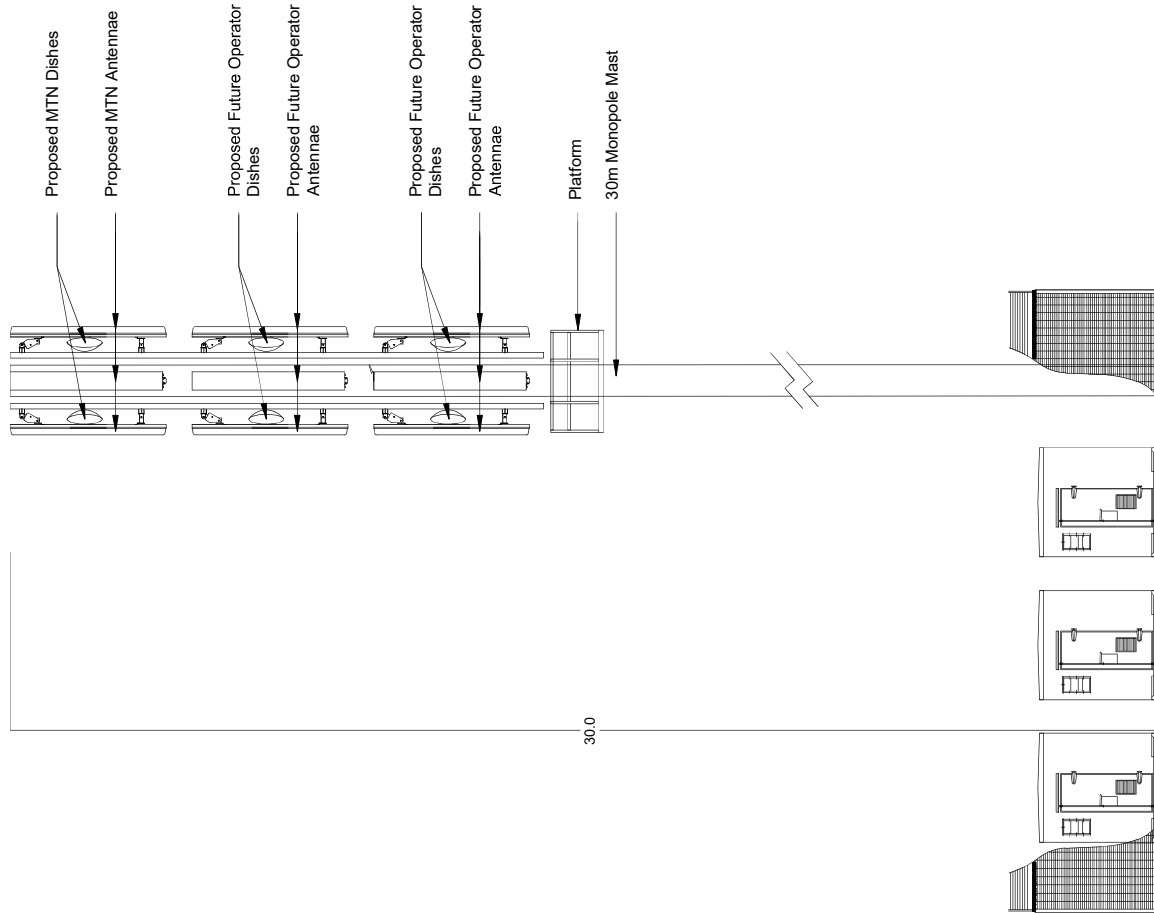
ELEVATION

SCALE: NTS

DRAWING NUMBER

SHEET No.	TYPE	REV.
KZN02	A05/06	PRO A

Elevation KZN02



10

9

8

7

6

5

4

3

2

1

A

B

C

D

E

F

G

H

J

K

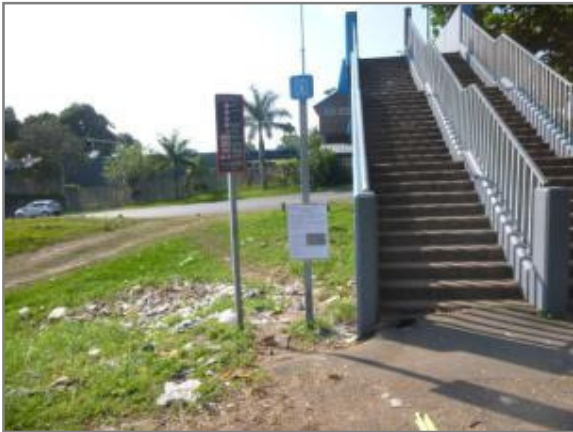
Appendix D

Public participation information

Appendix 1

Proof of site notice

Notices placed on site



Appendix 2

Written notices issued to I&APs and Stakeholders

Elaine

From: Emanuel Maluleke <lokisa@lokisa.co.za>
Sent: Monday, 02 October 2017 3:27 PM
To: CraigB@ncc-group.co.za; yugenm@telkomsa.net; jjovanpillay@gmail.com; sashenm4@gmail.com
Cc: 'Elaine'; 'Faith Makena'
Subject: PROPOSED TELECOMMUNICATION MAST - KZN02 BAYVIEW STATION

Dear I&AP

We hereby notify you that the Draft Basic Assessment Report (BAR) for the above is available for review and comment from **02 October 2017 to 02 November 2017**.

DRAFT BASIC ASSESSMENT REPORT

**THE PROPOSED CONSTRUCTION OF A TELECOMMUNICATION – KZN02
BAYVIEW STATION
(PORTION 1939 OF ERF 104 CHATSWORTH)
REF NR. LOK2017/011**

Project description

The project entails the Construction of a 30m Monopole Mast within the footprint size of 12m x 6m area and a support container. The site is to accommodate three service providers.

Regulatory Process

In terms of the National Environmental Management Act, 1998 (Act No 107 of 1998) and associated EIA Regulations published during 2014 (as amended 2017), an Environmental Authorisation should be obtained from the relevant decision making authority, prior to the commencement of certain listed activities that may result in potential negative impacts on the environment.

The activity applied for:

Activity listed under GN R985:

Activity 3 - The Development of masts or towers of any material or type used for telecommunication broadcasting or radio transmission purposes where the mast or tower: (a) to be placed on a site not previously used for this purpose; and (b) will exceed 15m in height (d) In KwaZulu-Natal (xiii) In urban areas (dd) Areas within 1 kilometre from protected areas identified in terms of NEMPAA.

Location

The site is approximately 1.6km south east of Woodhurst, 100m west of the M20 road, south of the M1 north highway, at the Bayview Train Station, Bayview.

Should you require an electronic copy of the report, please be so kind as to contact Emanuel Maluleke or Faith Makena on (012) 346 7655 or lokisa@lokisa.co.za/ faith@lokisa.co.za in order to make arrangements to collect an electronic copy at:

72 Herbert Baker Street
Groenkloof
Pretoria
0081

The copy is also available via Dropbox.

Please advise should you require a CD or a Dropbox link of the Draft Report.

Kind Regards

Emanuel Maluleke

LOKISA ENVIRONMENTAL CONSULTING cc

REG NO: 2001/026529/07

72 Herbert Baker Street, Groenkloof

P.O.BOX 219 GROENKLOOF 0027

TEL (012) 346 7655

FAX (012) 346 6074

lokisa@lokisa.co.za

Emanuel Maluleke

From: Emanuel Maluleke <lokisa@lokisa.co.za>
Sent: 04 May 2017 03:05 PM
To: 'tonygovender.da@gmail.com'
Cc: 'Elaine'; 'Faith Makena'; 'matimu@lokisa.co.za'
Subject: KZN02 BAYVIEW STATION
Attachments: KZN02 - Bayview Station-Drawings.pdf; STAKEHOLDER COMMENTS 1...doc; AD notice Bayview Station.doc

Dear Cllr Sathasivan Govender (eThekweni Municipality) (Ward 70)

**NOTICE OF AN ENVIRONMENTAL IMPACT ASSESSMENT PROCESS FOR BASIC ASSESSMENT –
PROPOSED TELECOMMUNICATION MAST FOR COMMCO HOLDINGS (PTY) LTD – KZN02 BAYVIEW STATION
(PORTION 1939 OF ERF 104 CHATSWORTH)**

Ref Nr. LOK2017/011

Please see the attached notice for your attention.

Kind Regards

Emanuel Maluleke

LOKISA ENVIRONMENTAL CONSULTING cc
REG NO: 2001/026529/07
72 Herbert Baker Street, Groenkloof
P.O.BOX 219 GROENKLOOF 0027
TEL (012) 346 7655
FAX (012) 346 6074
lokisa@lokisa.co.za

Emanuel Maluleke

From: Emanuel Maluleke <lokisa@lokisa.co.za>
Sent: 09 November 2017 10:57 AM
To: 'LeburuN@dws.gov.za'; 'MokoenaN@dws.gov.za'
Cc: 'Elaine Minnaar'
Subject: Comments on Draft Basic Assessment Report
Attachments: Department of Water and Sanitation.docx; Department of Water and Sanitation.docx; Department of Water and Sanitation.docx

Dear Leburu N/ Mokoena N (Department of Water and Sanitation)

I trust you are both well,

May you please provide us with your comments on the Draft BAR for sites:

- KZN02 Bayview Station
- KZN17 Park Rynie
- KZN30 Warner Beach

Thank you

Kind Regards

Emanuel Maluleke

LOKISA ENVIRONMENTAL CONSULTING cc

REG NO: 2001/026529/07

72 Herbert Baker Street, Groenkloof

P.O.BOX 219 GROENKLOOF 0027

TEL (012) 346 7655

FAX (012) 346 6074

lokisa@lokisa.co.za

Emanuel Maluleke

From: Emanuel Maluleke <lokisa@lokisa.co.za>
Sent: 09 November 2017 10:42 AM
To: 'Diane VanRensburg'
Cc: 'Elaine Minnaar'
Subject: RE: NOTICE OF AN ENVIRONMENTAL IMPACT ASSESSMENT PROCESS FOR BASIC ASSESSMENT PROPOSED TELECOMMUNICATION MAST FOR COMMCO HOLDINGS (PTY) LTD - KZN30 WARNER BEACH Ref Nr. LOK2017/014
Attachments: Ethekwini Municipality.docx; Ethekwini Municipality.docx

Good Day Diane

I trust you are well,

May you please provide me with your comments on the two Draft BARs for the sites: KZN30 Warner Beach and KZN02 Bayview Station.

Thank you.

Kind Regards

Emanuel Maluleke

LOKISA ENVIRONMENTAL CONSULTING cc
REG NO: 2001/026529/07
72 Herbert Baker Street, Groenkloof
P.O.BOX 219 GROENKLOOF 0027
TEL (012) 346 7655
FAX (012) 346 6074
lokisa@lokisa.co.za

From: Diane VanRensburg [mailto:Diane.VanRensburg@durban.gov.za]
Sent: 29 September 2017 11:33 AM
To: Emanuel Maluleke <lokisa@lokisa.co.za>
Subject: RE: NOTICE OF AN ENVIRONMENTAL IMPACT ASSESSMENT PROCESS FOR BASIC ASSESSMENT PROPOSED TELECOMMUNICATION MAST FOR COMMCO HOLDINGS (PTY) LTD - KZN30 WARNER BEACH Ref Nr. LOK2017/014

Dear Emanuel,

Please will you provide 4 hard copies and 6 CD copies of the Draft Basic Assessment Report, my address is Room G21, Ground Floor, City Engineers Building, 166 K.E. Masinga Road, Durban, 4001.

Thank you
Diane.

From: Emanuel Maluleke [mailto:lokisa@lokisa.co.za]
Sent: Friday, September 29, 2017 11:07 AM
To: Diane VanRensburg
Subject: RE: NOTICE OF AN ENVIRONMENTAL IMPACT ASSESSMENT PROCESS FOR BASIC ASSESSMENT PROPOSED TELECOMMUNICATION MAST FOR COMMCO HOLDINGS (PTY) LTD - KZN30 WARNER BEACH Ref Nr. LOK2017/014

Good Day Diane

I trust you are well,

May you please provide me with the physical address for your offices so that the couriers can deliver the Reports at your offices.

Kind Regards

Emanuel Maluleke

LOKISA ENVIRONMENTAL CONSULTING cc
REG NO: 2001/026529/07
72 Herbert Baker Street, Groenkloof
P.O.BOX 219 GROENKLOOF 0027
TEL (012) 346 7655
FAX (012) 346 6074
lokisa@lokisa.co.za

From: Matimu [<mailto:matimu@lokisa.co.za>]

Sent: 08 May 2017 09:04 AM

To: 'Diane VanRensburg' <Diane.VanRensburg@durban.gov.za>

Cc: 'Elaine' <elaine@lokisa.co.za>; 'Emanuel Maluleke' <lokisa@lokisa.co.za>

Subject: RE: NOTICE OF AN ENVIRONMENTAL IMPACT ASSESSMENT PROCESS FOR BASIC ASSESSMENT PROPOSED TELECOMMUNICATION MAST FOR COMMCO HOLDINGS (PTY) LTD - KZN30 WARNER BEACH Ref Nr. LOK2017/014

Good Day Diane

eThekwini Municipality has been registered as an Interested and Affected Party (I&AP).

The Draft Basic Assessment Report will be made available for review once the report has been finalised. Review dates will be communicated in due course.

Kind Regards,

Ms Matimu Makamu
Lokisa Environmental Consulting cc
Tel: 012 346 7655
Fax: 012 346 6074
Cell: 073 475 3228
e-mail: matimu@lokisa.co.za

From: Diane VanRensburg [<mailto:Diane.VanRensburg@durban.gov.za>]

Sent: Friday, 5 May, 2017 2:39 PM

To: Matimu

Subject: RE: NOTICE OF AN ENVIRONMENTAL IMPACT ASSESSMENT PROCESS FOR BASIC ASSESSMENT PROPOSED TELECOMMUNICATION MAST FOR COMMCO HOLDINGS (PTY) LTD - KZN30 WARNER BEACH Ref Nr. LOK2017/014

Dear Matimu,

Please will you register eThekwini Municipality as an Interested and Affected Party and provide the necessary documents for circulation/comment once available.

Kind Regards

Diane.

From: Matimu [<mailto:matimu@lokisa.co.za>]

Sent: Friday, May 05, 2017 10:58 AM

To: Diane VanRensburg

Cc: 'Emanuel Maluleke'

Subject: NOTICE OF AN ENVIRONMENTAL IMPACT ASSESSMENT PROCESS FOR BASIC ASSESSMENT PROPOSED TELECOMMUNICATION MAST FOR COMMCO HOLDINGS (PTY) LTD - KZN30 WARNER BEACH Ref Nr. LOK2017/014

Dear Diane van Rensburg (eThekwini Municipality)

NOTICE OF AN ENVIRONMENTAL IMPACT ASSESSMENT PROCESS FOR BASIC ASSESSMENT – PROPOSED TELECOMMUNICATION MAST FOR COMMCO HOLDINGS (PTY) LTD – KZN30 WARNER BEACH (ERF 2961 KINGSBURGH)

Ref Nr. LOK2017/014

Attached please find notice for your attention.

Kind Regards

Ms Matimu Makamu
Lokisa Environmental Consulting cc
Tel: 012 346 7655
Fax: 012 346 6074
Cell: 073 475 3228
e-mail: matimu@lokisa.co.za

This email has been scanned by the IS Symantec Email Safeguard.cloud Anti-Virus service.
For more information please visit <http://www.symanteccloud.com>

This email has been scanned by the IS Symantec Email Safeguard.cloud Anti-Virus service.
For more information please visit <http://www.symanteccloud.com>

This email has been scanned by the IS Symantec Email Safeguard.cloud Anti-Virus service.
For more information please visit <http://www.symanteccloud.com>

This email has been scanned by the IS Symantec Email Safeguard.cloud Anti-Virus service.
For more information please visit <http://www.symanteccloud.com>

Emanuel Maluleke

From: Emanuel Maluleke <lokisa@lokisa.co.za>
Sent: 02 October 2017 03:27 PM
To: 'CraigB@ncc-group.co.za'; 'yugenm@telkomsa.net'; 'jjovanpillay@gmail.com'; 'sashenm4@gmail.com'
Cc: 'Elaine'; 'Faith Makena'
Subject: PROPOSED TELECOMMUNICATION MAST – KZN02 BAYVIEW STATION

Tracking:	Recipient	Read
	'CraigB@ncc-group.co.za'	
	'yugenm@telkomsa.net'	Read: 2017/10/04 07:41 AM
	'jjovanpillay@gmail.com'	
	'sashenm4@gmail.com'	
	'Elaine'	
	'Faith Makena'	

Dear I&AP

We hereby notify you that the Draft Basic Assessment Report (BAR) for the above is available for review and comment from **02 October 2017** to **02 November 2017**.

DRAFT BASIC ASSESSMENT REPORT

THE PROPOSED CONSTRUCTION OF A TELECOMMUNICATION – KZN02 BAYVIEW STATION (PORTION 1939 OF ERF 104 CHATSWORTH) REF NR. LOK2017/011

Project description

The project entails the Construction of a 30m Monopole Mast within the footprint size of 12m x 6m area and a support container. The site is to accommodate three service providers.

Regulatory Process

In terms of the National Environmental Management Act, 1998 (Act No 107 of 1998) and associated EIA Regulations published during 2014 (as amended 2017), an Environmental Authorisation should be obtained from the relevant decision making authority, prior to the commencement of certain listed activities that may result in potential negative impacts on the environment.

The activity applied for:

Activity listed under GN R985:

Activity 3 - The Development of masts or towers of any material or type used for telecommunication broadcasting or radio transmission purposes where the mast or tower: (a) to be placed on a site not previously used for this purpose; and (b) will exceed 15m in height (d) In KwaZulu-Natal (xiii) In urban areas (dd) Areas within 1 kilometre from protected areas identified in terms of NEMPAA.

Location

The site is approximately 1.6km south east of Woodhurst, 100m west of the M20 road, south of the M1 north highway, at the Bayview Train Station, Bayview.

Should you require an electronic copy of the report, please be so kind as to contact Emanuel Maluleke or Faith Makena on (012) 346 7655 or lokisa@lokisa.co.za/ faith@lokisa.co.za in order to make arrangements to collect an electronic copy at:

72 Herbert Baker Street
Groenkloof
Pretoria
0081

The copy is also available via Dropbox.

Please advise should you require a CD or a Dropbox link of the Draft Report.

Kind Regards

Emanuel Maluleke

LOKISA ENVIRONMENTAL CONSULTING cc

REG NO: 2001/026529/07

72 Herbert Baker Street, Groenkloof

P.O.BOX 219 GROENKLOOF 0027

TEL (012) 346 7655

FAX (012) 346 6074

lokisa@lokisa.co.za

Emanuel Maluleke

From: Emanuel Maluleke [lokisa@lokisa.co.za]
Sent: 04 May 2017 03:05 PM
To: 'tonygovender.da@gmail.com'
Cc: 'Elaine'; 'Faith Makena'; 'matimu@lokisa.co.za'
Subject: KZN02 BAYVIEW STATION
Attachments: KZN02 - Bayview Station-Drawings.pdf; STAKEHOLDER COMMENTS 1...doc; AD notice Bayview Station.doc

Dear Cllr Sathasivan Govender (eThekweni Municipality) (Ward 70)

**NOTICE OF AN ENVIRONMENTAL IMPACT ASSESSMENT PROCESS FOR BASIC ASSESSMENT –
PROPOSED TELECOMMUNICATION MAST FOR COMMCO HOLDINGS (PTY) LTD – KZN02 BAYVIEW STATION
(PORTION 1939 OF ERF 104 CHATSWORTH)
Ref Nr. LOK2017/011**

Please see the attached notice for your attention.

Kind Regards

Emanuel Maluleke

LOKISA ENVIRONMENTAL CONSULTING cc

REG NO: 2001/026529/07

72 Herbert Baker Street, Groenkloof

P.O.BOX 219 GROENKLOOF 0027

TEL (012) 346 7655

FAX (012) 346 6074

lokisa@lokisa.co.za

Matimu

From: Matimu [matimu@lokisa.co.za]
Sent: Friday, 5 May, 2017 11:03 AM
To: 'diane.vanrensburg@durban.gov.za'
Cc: 'Emanuel Maluleke'; 'Faith Makena'; 'Elaine'
Subject: NOTICE OF AN ENVIRONMENTAL IMPACT ASSESSMENT PROCESS FOR BASIC ASSESSMENT PROPOSED TELECOMMUNICATION MAST FOR COMMCO HOLDINGS (PTY) LTD – KZN02 BAYVIEW STATION Ref Nr. LOK2017/011
Attachments: KZN02 - Bayview Station-Drawings.pdf; STAKEHOLDER COMMENTS 1...doc; AD notice Bayview Station.doc

Dear Diane van Rensburg (eThekweni Municipality)

**NOTICE OF AN ENVIRONMENTAL IMPACT ASSESSMENT PROCESS FOR BASIC ASSESSMENT – PROPOSED TELECOMMUNICATION MAST FOR COMMCO HOLDINGS (PTY) LTD – KZN02 BAYVIEW STATION
(PORTION 1939 OF ERF 104 CHATSWORTH)**

Ref Nr. LOK2017/011

Attached please find notice for your attention.

Kind Regards

Ms Matimu Makamu
Lokisa Environmental Consulting cc
Tel: 012 346 7655
Fax: 012 346 6074
Cell: 073 475 3228
e-mail: matimu@lokisa.co.za

**REGISTERED LETTER
GEREGISTREERDE BRIEF**  **Post Office**
(with an insurance option/met 'n versekeringsopsie)

Full tracking and tracing/Volledige volg en spoor

Addressed to/Geadresseer aan
Matomela Ntsikelele David
11 Mozibuka Street
Tlokoza

11429 Postcode
Postkode

The value of the contents of this letter is as indicated and compensation is not payable for a letter received unconditionally. Compensation is limited to R100.00. No compensation is payable without documentary proof. Optional insurance up to R2 000.00 is available and applies to domestic registered letters only.
Die waarde van die inhoud van hierdie brief is soos aangedui en vergoeding sal nie betaal word vir 'n brief wat sonder voorbehoud ontvang word nie. Vergoeding is beperk tot R100.00. Geen vergoeding is sonder dokumentêre bewys betaalbaar nie. Opsionele versekering tot R2 000.00 is beskikbaar en is slegs op binnelandse geregistreerde briewe van toepassing.

Postage paid R _____ C
Service fee/Diensgeld R _____ C
Insurance/Versekering R _____ C
Total/Totaal R _____ C

Insured value of contents
Versekerde waarde van inhoud R _____ C


Enquiries/Navrae
Toll-free number
Tolvry nommer
0800 111 502

Initial of accepting officer _____
Date stamp _____

Affix Track and Trace
INSURED PARCEL
PA 324 111 548 ZA
CUSTOMER COPY 301012

Paraat van aaneem-beampte _____
Datumstempel _____

MAGADULA
OFFICE LTD.

**REGISTERED LETTER
GEREGISTREERDE BRIEF**  **Post Office**
(with an insurance option/met 'n versekeringsopsie)

Full tracking and tracing/Volledige volg en spoor

Addressed to/Geadresseer aan
Nkoane Mamele Elizabeth
1411 Mgweni Street
Tlokoza

3838 Postcode
Postkode

The value of the contents of this letter is as indicated and compensation is not payable for a letter received unconditionally. Compensation is limited to R100.00. No compensation is payable without documentary proof. Optional insurance up to R2 000.00 is available and applies to domestic registered letters only.
Die waarde van die inhoud van hierdie brief is soos aangedui en vergoeding sal nie betaal word vir 'n brief wat sonder voorbehoud ontvang word nie. Vergoeding is beperk tot R100.00. Geen vergoeding is sonder dokumentêre bewys betaalbaar nie. Opsionele versekering tot R2 000.00 is beskikbaar en is slegs op binnelandse geregistreerde briewe van toepassing.

Postage paid R _____ C
Service fee/Diensgeld R _____ C
Insurance/Versekering R _____ C
Total/Totaal R _____ C

Insured value of contents
Versekerde waarde van inhoud R _____ C

Enquiries/Navrae
Toll-free number
Tolvry nommer
0800 111 502

Initial of accepting officer _____
Date stamp _____

Affix Track and Trace
INSURED PARCEL
PA 324 111 551 ZA
CUSTOMER COPY 301012

Paraat van aaneem-beampte _____
Datumstempel _____

MAGADULA
OFFICE LTD.

**REGISTERED LETTER
GEREGISTREERDE BRIEF**  **Post Office**
(with an insurance option/met 'n versekeringsopsie)

Full tracking and tracing/Volledige volg en spoor

Addressed to/Geadresseer aan
Covender Legahatfat
23 Bavian Road
Clerkswater

4092 Postcode
Postkode

The value of the contents of this letter is as indicated and compensation is not payable for a letter received unconditionally. Compensation is limited to R100.00. No compensation is payable without documentary proof. Optional insurance up to R2 000.00 is available and applies to domestic registered letters only.
Die waarde van die inhoud van hierdie brief is soos aangedui en vergoeding sal nie betaal word vir 'n brief wat sonder voorbehoud ontvang word nie. Vergoeding is beperk tot R100.00. Geen vergoeding is sonder dokumentêre bewys betaalbaar nie. Opsionele versekering tot R2 000.00 is beskikbaar en is slegs op binnelandse geregistreerde briewe van toepassing.

Postage paid R _____ C
Service fee/Diensgeld R _____ C
Insurance/Versekering R _____ C
Total/Totaal R _____ C

Insured value of contents
Versekerde waarde van inhoud R _____ C

Enquiries/Navrae
Toll-free number
Tolvry nommer
0800 111 502

Initial of accepting officer _____
Date stamp _____

Affix Track and Trace
INSURED PARCEL
PA 324 111 525 ZA
CUSTOMER COPY 301012

Paraat van aaneem-beampte _____
Datumstempel _____

K2NBZ BAVIEN STATION
OFFICE LTD.

**REGISTERED LETTER
GEREGISTREERDE BRIEF**  **Post Office**
(with an insurance option/met 'n versekeringsopsie)

Full tracking and tracing/Volledige volg en spoor

Addressed to/Geadresseer aan
Pitsofiso Sengiso Cingapies
116 V Nanki Street
Rosebank East 3

21197 Postcode
Postkode

The value of the contents of this letter is as indicated and compensation is not payable for a letter received unconditionally. Compensation is limited to R100.00. No compensation is payable without documentary proof. Optional insurance up to R2 000.00 is available and applies to domestic registered letters only.
Die waarde van die inhoud van hierdie brief is soos aangedui en vergoeding sal nie betaal word vir 'n brief wat sonder voorbehoud ontvang word nie. Vergoeding is beperk tot R100.00. Geen vergoeding is sonder dokumentêre bewys betaalbaar nie. Opsionele versekering tot R2 000.00 is beskikbaar en is slegs op binnelandse geregistreerde briewe van toepassing.

Postage paid R _____ C
Service fee/Diensgeld R _____ C
Insurance/Versekering R _____ C
Total/Totaal R _____ C

Insured value of contents
Versekerde waarde van inhoud R _____ C

Enquiries/Navrae
Toll-free number
Tolvry nommer
0800 111 502

Initial of accepting officer _____
Date stamp _____

Affix Track and Trace
INSURED PARCEL
PA 324 111 534 ZA
CUSTOMER COPY 301012

Paraat van aaneem-beampte _____
Datumstempel _____

K2NBZ BAVIEN STATION
OFFICE LTD.

REGISTERED LETTER
GEREGISTREERDE BRIEF

(with an insurance option/met 'n versekeringsopsie)

Full tracking and tracing/Volledige volg en spoor

Addressed to/Geadresseer aan
 Mrs Mathews Borethay
 14 Roubrew Road
 Bayview

4092 Postcode
 Postkode

The value of the contents of this letter is as indicated and compensation is not payable for a letter received unconditionally. Compensation is limited to R100.00. No compensation is payable without documentary proof. Optional insurance up to R2 000.00 is available and applies to domestic registered letters only.

Die waarde van die inhoud van hierdie brief is soos aangedui en vergoeding sal nie betaal word vir 'n brief wat sonder voorbehoud ontvang word nie. Vergoeding is beperk tot R100.00. Geen vergoeding is sonder dokumentêre bewys betaalbaar nie. Opsionele versekering tot R2 000.00 is beskikbaar en sluit op binnelandse geregistreerde briewe van toepassing.

Postage paid R: _____ C
 Service fee/Diensgeld R: _____ C
 Insurance/Versekering R: _____ C
 Total/Totaal R: _____ C

Insured value of contents
 Versekerde waarde van inhoud R: _____ C

Enquiries/Navrae
 Toll-free number
 Tolvry nommer
 0800 111 502

Initial of accepting officer
 Date stamp
 701281

Affix Track and Trace customer COPY
INSURED PARCEL
 PA 324 111 503 ZA
 CUSTOMER COPY 301012

Paraaf van aanneem-beampte
 Datumstempel

KZN02 BAYVIEW STATION

REGISTERED LETTER
GEREGISTREERDE BRIEF

(with an insurance option/met 'n versekeringsopsie)

Full tracking and tracing/Volledige volg en spoor

Addressed to/Geadresseer aan
 Nadia Neebathay
 17 Roubrew Road
 Bayview

4092 Postcode
 Postkode

The value of the contents of this letter is as indicated and compensation is not payable for a letter received unconditionally. Compensation is limited to R100.00. No compensation is payable without documentary proof. Optional insurance up to R2 000.00 is available and applies to domestic registered letters only.

Die waarde van die inhoud van hierdie brief is soos aangedui en vergoeding sal nie betaal word vir 'n brief wat sonder voorbehoud ontvang word nie. Vergoeding is beperk tot R100.00. Geen vergoeding is sonder dokumentêre bewys betaalbaar nie. Opsionele versekering tot R2 000.00 is beskikbaar en sluit op binnelandse geregistreerde briewe van toepassing.

Postage paid R: _____ C
 Service fee/Diensgeld R: _____ C
 Insurance/Versekering R: _____ C
 Total/Totaal R: _____ C

Insured value of contents
 Versekerde waarde van inhoud R: _____ C

Enquiries/Navrae
 Toll-free number
 Tolvry nommer
 0800 111 502

Initial of accepting officer
 Date stamp
 701281

Affix Track and Trace customer copy
INSURED PARCEL
 PA 324 111 517 ZA
 CUSTOMER COPY 301012

Paraaf van aanneem-beampte
 Datumstempel

KZN02 BAYVIEW STATION

REGISTERED LETTER
GEREGISTREERDE BRIEF

(with an insurance option/met 'n versekeringsopsie)

Full tracking and tracing/Volledige volg en spoor

Addressed to/Geadresseer aan
 Latifa Iqhar
 P.O. Box 230
 Urow Mines

2025 Postcode
 Postkode

The value of the contents of this letter is as indicated and compensation is not payable for a letter received unconditionally. Compensation is limited to R100.00. No compensation is payable without documentary proof. Optional insurance up to R2 000.00 is available and applies to domestic registered letters only.

Die waarde van die inhoud van hierdie brief is soos aangedui en vergoeding sal nie betaal word vir 'n brief wat sonder voorbehoud ontvang word nie. Vergoeding is beperk tot R100.00. Geen vergoeding is sonder dokumentêre bewys betaalbaar nie. Opsionele versekering tot R2 000.00 is beskikbaar en sluit op binnelandse geregistreerde briewe van toepassing.

Postage paid R: _____ C
 Service fee/Diensgeld R: _____ C
 Insurance/Versekering R: _____ C
 Total/Totaal R: _____ C

Insured value of contents
 Versekerde waarde van inhoud R: _____ C

Enquiries/Navrae
 Toll-free number
 Tolvry nommer
 0800 111 502

Initial of accepting officer
 Date stamp
 701281

Affix Track and Trace
INSURED PARCEL
 PA 324 111 485 ZA
 CUSTOMER COPY 301012

Paraaf van aanneem-beampte
 Datumstempel

KZN02 BAYVIEW STATION

REGISTERED LETTER
GEREGISTREERDE BRIEF

(with an insurance option/met 'n versekeringsopsie)

Full tracking and tracing/Volledige volg en spoor

Addressed to/Geadresseer aan
 Hassan Mohamed Saleem
 9 Roubrew Road
 Bayview

4092 Postcode
 Postkode

The value of the contents of this letter is as indicated and compensation is not payable for a letter received unconditionally. Compensation is limited to R100.00. No compensation is payable without documentary proof. Optional insurance up to R2 000.00 is available and applies to domestic registered letters only.

Die waarde van die inhoud van hierdie brief is soos aangedui en vergoeding sal nie betaal word vir 'n brief wat sonder voorbehoud ontvang word nie. Vergoeding is beperk tot R100.00. Geen vergoeding is sonder dokumentêre bewys betaalbaar nie. Opsionele versekering tot R2 000.00 is beskikbaar en sluit op binnelandse geregistreerde briewe van toepassing.

Postage paid R: _____ C
 Service fee/Diensgeld R: _____ C
 Insurance/Versekering R: _____ C
 Total/Totaal R: _____ C

Insured value of contents
 Versekerde waarde van inhoud R: _____ C

Enquiries/Navrae
 Toll-free number
 Tolvry nommer
 0800 111 502

Initial of accepting officer
 Date stamp
 701281

Affix Track and Trace
INSURED PARCEL
 PA 324 111 494 ZA
 CUSTOMER COPY 301012

Paraaf van aanneem-beampte
 Datumstempel

GEREGISTREERDE BRIEF
(with an insurance option/met 'n versekeringsopsie)

Post Office

Full tracking and tracing/Volledige volg en spoor

Addressed to/Geadresseer aan
Hassan Mohamed Saleem
P.O. Box 1301
Port Elizabeth

Postcode Postkode
6600

The value of the contents of this letter is as indicated and compensation is not payable for a letter received unconditionally. Compensation is limited to R100.00. No compensation is payable without documentary proof. Optional insurance up to R2 000.00 is available and applies to domestic registered letters only.

Die waarde van die inhoud van hierdie brief is soos aangedui en vergoeding sal nie betaal word vir 'n brief wat sonder voorbehoud ontvang word nie. Vergoeding is beperk tot R100.00. Geen vergoeding is sonder dokumentêre bewys betaalbaar nie. Opsionele versekering tot R2 000.00 is beskikbaar en is slegs op binnelandse geregistreerde briewe van toepassing.

Postage paid R _____ C
Service fee/Diensgeld R _____ C
Insurance/Versekering R _____ C
Total/Totaal R _____ C

Insured value of contents
Versekerde waarde van inhoud R _____ C

Enquiries/Navrae
Toll-free number
Tolvry nommer
0800 111 502

Initial of accepting officer
Date stamp

Affix Track and Trace customer copy
INSURED PARCEL
PA 324 111 463 ZA
CUSTOMER COPY 301012

Paraaf van aanneembampste
Datumstempel

701261

KZN02 BAYVIEW STATION

REGISTERED LETTER
GEREGISTREERDE BRIEF
(with an insurance option/met 'n versekeringsopsie)

Post Office

Full tracking and tracing/Volledige volg en spoor

Addressed to/Geadresseer aan
Dilay Nkomo
5 Parkview Road
Bayview

Postcode Postkode
10592

The value of the contents of this letter is as indicated and compensation is not payable for a letter received unconditionally. Compensation is limited to R100.00. No compensation is payable without documentary proof. Optional insurance up to R2 000.00 is available and applies to domestic registered letters only.

Die waarde van die inhoud van hierdie brief is soos aangedui en vergoeding sal nie betaal word vir 'n brief wat sonder voorbehoud ontvang word nie. Vergoeding is beperk tot R100.00. Geen vergoeding is sonder dokumentêre bewys betaalbaar nie. Opsionele versekering tot R2 000.00 is beskikbaar en is slegs op binnelandse geregistreerde briewe van toepassing.

Postage paid R _____ C
Service fee/Diensgeld R _____ C
Insurance/Versekering R _____ C
Total/Totaal R _____ C

Insured value of contents
Versekerde waarde van inhoud R _____ C

Enquiries/Navrae
Toll-free number
Tolvry nommer
0800 111 502

Initial of accepting officer
Date stamp

Affix Track and Trace customer copy
INSURED PARCEL
PA 324 111 477 ZA
CUSTOMER COPY 301012

Paraaf van aanneembampste
Datumstempel

701261

KZN02 BAYVIEW STATION

REGISTERED LETTER
GEREGISTREERDE BRIEF
(with an insurance option/met 'n versekeringsopsie)

Post Office

Full tracking and tracing/Volledige volg en spoor

Addressed to/Geadresseer aan
Moodley Dharugee
2 Fame Circle
Bayview

Postcode Postkode
41092

The value of the contents of this letter is as indicated and compensation is not payable for a letter received unconditionally. Compensation is limited to R100.00. No compensation is payable without documentary proof. Optional insurance up to R2 000.00 is available and applies to domestic registered letters only.

Die waarde van die inhoud van hierdie brief is soos aangedui en vergoeding sal nie betaal word vir 'n brief wat sonder voorbehoud ontvang word nie. Vergoeding is beperk tot R100.00. Geen vergoeding is sonder dokumentêre bewys betaalbaar nie. Opsionele versekering tot R2 000.00 is beskikbaar en is slegs op binnelandse geregistreerde briewe van toepassing.

Postage paid R _____ C
Service fee/Diensgeld R _____ C
Insurance/Versekering R _____ C
Total/Totaal R _____ C

Insured value of contents
Versekerde waarde van inhoud R _____ C

Enquiries/Navrae
Toll-free number
Tolvry nommer
0800 111 502

Initial of accepting officer
Date stamp

Affix Track and Trace customer copy
INSURED PARCEL
PA 324 111 450 ZA
CUSTOMER COPY 301012

Paraaf van aanneembampste
Datumstempel

701261

KZN02 BAYVIEW STATION

REGISTERED LETTER
GEREGISTREERDE BRIEF
(with an insurance option/met 'n versekeringsopsie)

Post Office

Full tracking and tracing/Volledige volg en spoor

Addressed to/Geadresseer aan
Moodley Sathageelan Callapan
3 Railview Road
Bayview

Postcode Postkode
41092

The value of the contents of this letter is as indicated and compensation is not payable for a letter received unconditionally. Compensation is limited to R100.00. No compensation is payable without documentary proof. Optional insurance up to R2 000.00 is available and applies to domestic registered letters only.

Die waarde van die inhoud van hierdie brief is soos aangedui en vergoeding sal nie betaal word vir 'n brief wat sonder voorbehoud ontvang word nie. Vergoeding is beperk tot R100.00. Geen vergoeding is sonder dokumentêre bewys betaalbaar nie. Opsionele versekering tot R2 000.00 is beskikbaar en is slegs op binnelandse geregistreerde briewe van toepassing.

Postage paid R _____ C
Service fee/Diensgeld R _____ C
Insurance/Versekering R _____ C
Total/Totaal R _____ C

Insured value of contents
Versekerde waarde van inhoud R _____ C

Enquiries/Navrae
Toll-free number
Tolvry nommer
0800 111 502

Initial of accepting officer
Date stamp

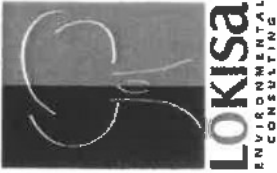
Affix Track and Trace customer copy
INSURED PARCEL
PA 324 111 446 ZA
CUSTOMER COPY 301012

Paraaf van aanneembampste
Datumstempel

701261

ACKNOWLEDGEMENT OF RECEIPT OF
NOTICE OF ENVIRONMENTAL IMPACT
ASSESSMENT PROCESS

LOKISA ENVIRONMENTAL CONSULTING CC
REG NO: 2001/026529/07
72 HERBERT BAKER STREET GROENKLOOF, PRETORIA
P.O. BOX 219, GROENKLOOF, 0027
TEL (012) 346 7655 FAX (012) 346 6074



SITE NAME: KZN02 BAYVIEW STATION

RECEIPT OF NOTICE					
NAME	ORGANISATION/FARM/ ERF DESCRIPTION	ADDRESS	CONTACT DETAILS	RECEIVED	COMMENTS
		27	Placed in P.O. Box		Bayview Road
		25	do		Bayview
		23	do		
Vanessa		21	Pitay	031 4006866	
		19	Placed in P.O. Box		
		17	do		
		15	do		
		13	do		
		11	do		
Fatima		9	40045	3.1.2008	

Appendix 3

Proof of newspaper advertisements

**NOTICE OF AN ENVIRONMENTAL IMPACT ASSESSMENT PROCESS
FOR BASIC ASSESSMENT - PROPOSED TELECOMMUNICATION
MAST FOR COMACO HOLDINGS (PTY) LTD - KZN30 WARMER
BEACH - (ERF 2961 KINGSBURGH) - Ref Nr. LOK2017/014**

Notice is given in terms of Listing Notice 3 of the Regulations published on 04 December 2014 in Government Notice R995 of the National Environmental Management Act 1998 (Act No 107 of 1998) that the Environmental Assessment Practitioner is conducting a Public Participation Process on behalf of Comaco Holdings (Pty) Ltd, for the submission of a Basic Assessment Report to the KZN Department of Economic Development, Tourism and Environmental Affairs (EDTEA) for the following activity as identified in terms of Section 24(2) and 24d:

Activity listed under GN R995:

• **Activity 3 -** The Development of masts or towers of any material or type used for telecommunication broadcasting or radio transmission purposes where the mast or tower (a) to be placed on a site not previously used for this purpose; and (b) will exceed 15m in height (c) in KwaZulu-Natal (xii) in urban areas (aa) 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 (dd) Areas within 1 kilometre from protected areas identified in terms of NEMPPA.

Project Name: KZN30 Warmer Beach

Project Description: The project entails the Construction of a 45m Lattice Mast within the footprint size of 12m x 6m area and a support container. The site is to accommodate three service providers.

Project Location: The site is situated approximately 2km south east of Shulton Park, approximately 600m to the east of the N2 highway and 20m east of the Kingsway Street (R102), Warmer Beach.
Co-ordinates S: 30°4'59.82" E: 30°52'3.79"

Date of Placement of Notice: 05 May 2017

Environmental Consultant: Lokisa Environmental Consulting CC has been appointed as the Environmental Consultants and Elaine Milmar can be contacted at P.O. Box 218, Groenkloof, 0027. Tel: 012 346 7655 Fax: 012 346 6074 Email: elaine@lokisa.co.za

In order to ensure that you are identified as interested and/or affected parties please submit in writing the following:

- Contact name
 - Telephone Number & Postal Details, and
 - Interest in the matter
- to the contact person given above within 30 days of publication of this advertisement.
105 May 2017 -06 June 2017)

Independent Newspapers (Pty) Ltd

Telephone:

Customer: LOKISA ENVIRONMENTAL CONSULTING (PT

Account: 687556

Callier: EMANUEL MALULEKE

Phone: 0123467655

Start Date: 28/04/2017

Ad No: 10615550

Total Price: 8037.68 (incl)

End date: 28/04/2017

Size: 14,8 x 3

Classification: 711

Receipt No:

Inserts: 1

>>>>> 92346106155507

Booked by: NWENDY

Corrections: (if any)

>>>
EasyPay

.....
Please authorize and return by fax to 0313082691

Signature of Approval: _____ Date: _____

**NB: FAILURE TO MAKE CORRECTIONS TIMEOUSLY
MAY RESULT IN COMPENSATION FOR ERRORS BEING REFUSED.**

BANKING DETAILS:

If you have been requested to pay in advance,
please use this bank a/c for payment:

**Standard Bank Johannesburg
Account Number: 000 078 085
Branch Code: 000 205**

**Please fax your proof of payment in advance to 0666 157 672,
or e-mail it to shared@nl.co.za**

If you have been requested to pay only when you receive
an invoice, please use this bank a/c for payment:

**Standard Bank Johannesburg
Account Number: 000 078 077
Branch Code: 000 205**

NOTICE OF AN ENVIRONMENTAL IMPACT ASSESSMENT PROCESS FOR BASIC ASSESSMENT PROPOSED TELECOMMUNICATION MAST FOR COMACO HOLDINGS (PTY) LTD. KZN21 SCOTTERSDI (REMANAGER OF FARM 898 SCOTTERSDI)

Ref No: LOK2817/013

Notice is given in terms of Listing Notice 3 of the Regulator's Handbook of 2014, dated December 2014, in Government Notice 8985 of the National Environmental Management Act, 1998 (Act No 107 of 1998) that the Environmental Assessment Practitioner is conducting a Public Participation Process on behalf of Comaco Holdings (Pty) Ltd, for the submission of a Basic Assessment Report to the KZN Department of Economic Development, Tourism and Environmental Affairs (EDTEA) for the following activity as identified in terms of Section 24(2) and 24d:

Activity listed under GN 1985:

Activity 3 - The Development of masts or towers of any material or type used for telecommunication broadcasting or radio transmission purposes, whether the mast or tower: (a) to be developed is of a height exceeding 15m in height (d) in KwaZulu-Natal as 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 (dd) Areas within 1 kilometre from protected areas identified in terms of NEMA 2A.

Project Name: KZN21 ScotterSDI Station

Project Description: The project entails the construction of a 30m Lattice Mast within the footprint size of 10m x 10m area and a support container. The site is to accommodate four service providers.

Project Location: The site is situated approximately 1,4km to the east of the N2 Highway, and is 30m east of the service site at the ScotterSDI Train Station. S: 30°17'5,14" E: 30°45'30,68"

Date of Placement of Notice: 05 May 2017

Environmental Consultant: Lokisa Environmental Consulting CC has been appointed as the Environmental Consultants and Elaine elaine@lokisa.co.za

In order to ensure that you are identified as interested and/or Affected parties please submit in writing the following:

- Contact name
 - Telephone Number & Postal Details, and
 - Interest in the matter
- To the contact person given above within 30 days of publication of this advertisement.
- 05 May 2017 - 05 June 2017

Independent Newspapers (Pty) Ltd

Telephone:

Customer: LOKISA ENVIRONMENTAL CONSULTING (PT

Account: 687556

Caller: EMANUEL

Phone: 0123467655

Start Date: 28/04/2017

End date: 28/04/2017

Ad No: 10615551

Size: 20,9 x 1

Ad Type: SEM-DISPLAY

Classification: 711

Total Price: 3750,92 (incl)

Receipt No:

Inserts: 1

>>>>> 92345106155515

>>> EasyPay

Booked by: NWENDY

Corrections: (if any)

.....

Please authorize and return by fax to 031 3082691

Signature of Approval: _____ Date: _____

**NB: FAILURE TO MAKE CORRECTIONS TIMEOUSLY
MAY RESULT IN COMPENSATION FOR ERRORS BEING REFUSED.**

BANKING DETAILS:

If you have been requested to pay in advance,
please use this bank a/c for payment:

**Standard Bank Johannesburg
Account Number: 000 078 085
Branch Code: 000 205**

**Please fax your proof of payment in advance to 0866 157 672,
or e-mail it to shared@nl.co.za**

If you have been requested to pay only when you receive
an invoice, please use this bank a/c for payment:

**Standard Bank Johannesburg
Account Number: 000 078 077
Branch Code: 000 205**

NOTICE OF AN ENVIRONMENTAL IMPACT ASSESSMENT PROCES FOR BASK ASSESSMENT.

PROPOSED TELECOMMUNICATION MAST FOR COMAKO HOLDINGS PTY LTD - KZN11 PARKWAY - GERMANSBURG - 593 PARKWAY

Ref No: LOK2017/042

Notice is given in terms of Listing Notice 3 of the Regulations published on 04 December 2014 in Government Notice R985 of the National Environmental Management Act, 1998 (Act No. 107 of 1998) that the Environmental Assessment Practitioner is conducting a Public Participation Process on behalf of Comako Holdings (Pty) Ltd, for the submission of a public assessment report to the KZN Development Economic Tourism and Environmental Affairs (EDTEA) for the following activity as identified in terms of Section 24(2) and 24d.

Activity listed under GN R985:
Activity 3 - The Development of masts or towers of any material or type used for telecommunication broadcasting or radio transmission purposes. (a) to be placed on a site not previously used for this purpose; and (b) will exceed 15m in height (d) In KwaZulu-Natal (e) In urban areas (aa) 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.

Project Name: KZN11 Park
Project Description: The project entails the construction of a 45m lattice mast within the footprint size of 8m x 8m area and a support container. The site is to accommodate three service providers.

Project Location: The site is approximately 1,86km south of Scottburgh South, 1,7km to the east of the N2 Highway and 50m east of Marine Drive at the Park Baye Train Station, Park Baye.

Co-ordinates S: 30°18'57.46"
E: 30°44'30.34"

Date of Placement of Notice: 05 May 2017

Environmental Consultant: Lokisa Environmental Consulting CC has been appointed as the Environmental Consultant and Elaine Kinyari can be contacted at: 012 346 5074. Email: 0027 Tel: 012 346 7855; Fax: 012 346 5074. Email: elaine@lokisa.co.za

In order to ensure that you are identified as interested and/or Affected parties please submit in writing the following:

- Contact name
 - Telephone Number
 - Postal Details, and
 - Interest in the matter
- to the contact person given above within 30 days of publication of this assessment (05 May 2017 - 05 June 2017)

Independent Newspapers (Pty) Ltd
Telephone:

Customer: LOKISA ENVIRONMENTAL CONSULTING (PT
Account: 687556
Caller: EMANUEL
Phone: 0123467655
Start Date: 28/04/2017 **End date: 28/04/2017** **Inserts: 1**
Ad No: 10615552 **Size: 20,7 x 1**
Ad Type: SEMI-DISPLAY **Classification: 711**
Total Price: 3750.92 (incl) **Receipt No:**

>>>>> 92345106155523

>>> EasyPay

Booked by: NWENDY

Corrections: (if any)

.....

Please authorize and return by fax to 031 3082691

Signature of Approval: _____ Date: _____

**NB: FAILURE TO MAKE CORRECTIONS TIMEOUSLY
MAY RESULT IN COMPENSATION FOR ERRORS BEING REFUSED.**

BANKING DETAILS:

If you have been requested to pay in advance,
please use this bank a/c for payment:

**Standard Bank Johannesburg
Account Number: 000 078 085
Branch Code: 000 205**

**Please fax your proof of payment in advance to 0866 157 672,
or e-mail it to shared@nl.co.za**

If you have been requested to pay only when you receive
an Invoice, please use this bank a/c for payment:

**Standard Bank Johannesburg
Account Number: 000 078 077
Branch Code: 000 205**

NOTICE OF AN ENVIRONMENTAL IMPACT ASSESSMENT PROCESS FOR BASIC ASSIGNMENT -

PROPOSED TELECOMMUNICATION MAST FOR COMICO HOLDINGS (PTY) LTD K2ND2 BAYVIEW STATION

SECTION 139B OF THE ENVIRONMENTAL IMPACT ASSESSMENT ACT

1998 (GN 1741)

R4 M. LOUWSTRAI

Notice is given in terms of Listing Notice 3 of the Regulations published on 04 December 2014 in Government Notice R685 of the National Environmental Management Act, 1998 (Act No. 107 of 1998) that the Environmental Assessment Practitioner is conducting a Public Participation process on behalf of Comico Holdings (Pty) Ltd, for the submission of a Basic Assessment Report to KZN Department of Economic Development, Tourism and Environmental Affairs (EDTEA) for the following activity as identified in terms of Section 24(2) and 24(d):

Activity listed under GN R985:

Activity 3 - The Development of masts or towers of any material or type used for telecommunication broadcasting of radio transmissions by means of the most effective means (a) to be used for the purpose and (b) will exceed 15m in height (d) in KwaZulu-Natal (xiii) in urban areas (dd) Areas within 1 kilometre from protected areas identified in terms of NEMFRA.

Project Name: K2ND2 Bayview Station

Project Description: The project entails the construction of a 30m Masts with a footprint of 12m x 6m area and a support container. The site is to accommodate three service providers.

Project Location: The site is approximately 1,6km south east of Woodhurst, 1000m west of the M20 road, south of the M1 north highway, at the Bayview Train Station, Bayview.

Coordinates: S: 30°56'26"

E: 30°56'26"

Date of Placement of Notice: 05 May 2017

Environmental Consultant: Lokisa Environmental Consulting CC has been appointed as the Environmental Consultants and Elaine Minnar can be contacted at P.O Box 219, Greenlact 0027, Tel: 012 346 7855 Fax: 012 346 6074. Email: elaine@lokisa.co.za

In order to ensure that you are notified as interested parties and/or affected parties please submit writing the following:

- Contact name
 - Telephone Number & Postal Details, and
 - Interest in the matter above within 30 days of publication of this advertisement.
- 05 May 2017 - 05 June 2017

Independent Newspapers (Pty) Ltd

Telephone:

Customer: LOKISA ENVIRONMENTAL CONSULTING (PT

Account: 687556

Caller: EMANUEL

Phone: 0123467655

Start Date: 28/04/2017

Ad No: 10615553

Ad Type: SEMI-DISPLAY

Total Price: 3572.30 (incl)

End date: 28/04/2017

Size: 19.9 x 1

Classification: 711

Receipt No:

Inserts: 1

>>>>> 92345106155531

>>> EasyPay

Booked by: NWENDY

Corrections: (if any)

.....

Please authorize and return by fax to 0313082691

Signature of Approval: _____ Date: _____

**NB: FAILURE TO MAKE CORRECTIONS TIMEOUSLY
MAY RESULT IN COMPENSATION FOR ERRORS BEING REFUSED.**

BANKING DETAILS:

If you have been requested to pay in advance,
please use this bank a/c for payment:

**Standard Bank Johannesburg
Account Number: 000 078 085
Branch Code: 000 205**

**Please fax your proof of payment In advance to 0866 157 672,
or e-mail it to shared@lnl.co.za**

If you have been requested to pay only when you receive
an invoice, please use this bank a/c for payment:

**Standard Bank Johannesburg
Account Number: 000 078 077
Branch Code: 000 205**

Appendix 4

Communications to and from I&APs and Stakeholders



**DEVELOPMENT PLANNING,
ENVIRONMENT & MANAGEMENT UNIT
Land Use Management Branch**

166 KE Masinga Road, Durban 4001

PO Box 680, Durban 4000

Tel: 031 311 1111, Fax: 031 311 7776

www.durban.gov.za

Our Ref.: (21/11) DPM/EIA 785
DEDTEA: -
Enquiries: Mrs D. van Rensburg
Telephone: 031 – 3117136

16 November 2017

Lokisa Environmental Consulting cc
P.O. Box 219
Groenkloof
Pretoria
0027

Att: Elaine Minnaar

Dear Sir/Madam,

**RE: DRAFT BASIC ASSESSMENT REPORT FOR THE PROPOSED
TELECOMMUNICATION MAST, KZN02 BAYVIEW STATION, PORTION 1939 OF
ERF 104 CHATSWORTH.**

With reference to the abovementioned Draft Basic Assessment Report, please be advised that various Municipal Departments have had sight of the proposal and the following comments are submitted for your attention:-

1. eThekweni Electricity Department.

The H.V. Department has no objection however please note:

- 1.1. The applicant must consult eThekweni Electricity's mains records (held in the drawing office at eThekweni Electricity Headquarters, 1 Jelf Taylor Crescent, for the presence of underground electrical services. In addition should any overhead line and/or servitude be affected, the specific permission of the Head: Electricity must be sought regarding the proposed development.
- 1.2. The relocation of MV/LV electrical services, if required in order to accommodate the proposed development, will be carried out at the expense of the applicant.

2. Environmental Planning and Climate Protection Department.

This Department has reviewed the application for the proposed telecommunication mast-KZN02 Bayview Station on Portion 1939 of Erf 104 Chatsworth and has no biodiversity objection to the proposed development.

3. Land Use Management Branch.

The site is reserved for road purposes and forms part of the area used for the metro railway system. The site is therefore already fenced off from general public access and therefore would not require a road closure application. Therefore the only requirement would be a special consent for the telecommunication land use in terms of Clause 34 of the Durban Scheme.

The principle of the cellular mast at this location is supported but requires further town planning approvals.

4. Strategic Spatial Planning Branch.

The Strategic Spatial Planning Branch (SSPB) has reviewed the above mentioned application and has the following comments:

- 4.1. In terms of the Spatial Development Framework (SDF 2017/2018) and the Central Spatial Development Plan (CSDP 2014/2015), the site is identified as a rail station.
- 4.2. The proposed construction of the Monopole Mast with associated Telecommunication Infrastructure on Portion 1939 of Erf 104 Chatsworth does not appear to be directly interfering with any residential properties. In view of the above, the Strategic Spatial Planning Branch has no objection to the proposal subject to:
 - a. Applicant meeting all the base Telecommunication Transceiver Station Environmental Health requirements in the eThekweni Cell Mast Policy (27/10/2005) specifically, Clause 34 (Base Telecommunications Transceiver Stations (cellular masts)) Section 4, No 4.1. and 4.4. of the Durban Town Planning Scheme.

Further, please note;

- This Branch's comment is subject to the applicant meeting all sector Department requirements.
- This support should not be deemed to be an approval of the eThekweni Municipality.
- This Branch reserves the right to comment further should the need arise.

5. Coastal, Stormwater and Catchment Management.

No comment from this Department.

6. Parks, Leisure and Cemeteries.

No comment on this application.

7. Pavement and Geotechnical Engineering.

No geotechnical objection.

8. eThekweni Transport Authority.

No objection to the proposed application for the development of a telecommunication mast on Portion 1939 of Erf 104 Chatsworth situated at the Bayview Train Station. This development has no traffic impact however, it should be noted that access to the telecommunication mast site will not be allowed off Higginson Highway.

9. Environmental Health Department.

No objection is lodged to the application subject to the following conditions being adhered to:

- 9.1. During the construction phase the following must be taken into consideration:
 - There must be no negative impact to the surrounding communities and structures.
 - The applicant or owners must ensure that no health problems, noise, nuisances or any safety related problems are caused to the surrounding premises and residents.
 - Any work or construction must take place only during working hours and not after hours.
 - All storage of building materials and equipment to be undertaken in an approved manner and not to cause any health nuisances or disturbance or environmental concerns.
 - All contracted workers must be provided with the prescribed personal protective wear and equipment for such activity including sanitary facilities.
 - All health and safety measures must be taken with regards to employee/staff engaged in such work, and access to the site must be restricted only to the construction workers.
 - Ensure no health nuisances/problems are generated by way of emissions of dust or any other related air emission problems/nuisances/disturbances.
- 9.2. No environmental health related problems to be cause to the surrounding community and areas and no noise nuisance or disturbances to be caused to the surrounding sites and residents at all times.
- 9.3. There must be no access to the site/station by general public or animals.

- 9.4. At any time the Municipality may request compliance monitoring by an independent certified expert to verify any issues relating to the siting and operation of the proposed TI to assess that RF EME (Radio Frequency Electro Magnetic Emission) levels are within standards set for public exposure limits as per the ICNIRP (1998/2009) public exposure guidelines.
- 9.5. In the event of measurements showing evidence that the RF EME levels exceed the ICNIRP public exposure guidelines, the NDOH and the Municipality must be notified and the NDOH and Municipality may take appropriate action required at such time in order to further investigate and close or discontinue the TI site, if so required.

10. eThekweni Water and Sanitation Department.

- 10.1. Sanitation Planning Branch.
This Branch has no objection to the installation of the proposed telecommunication mast.
- 10.2. Water Design Branch.
No objection to the proposal.

11. Durban Solid Waste.

This Department has no requirements for this proposal.

12. Disaster Management.

No comment from this Department.

13. Fire Safety.

No comment received.

Should you seek clarification on any of the above issues, please contact the writer on telephone: 031 - 3117136 or via e-mail: diane.vanrensburg@durban.gov.za In addition, the Department requests that a copy of the Environmental Authorisation be emailed to the same address.

Yours faithfully



29/11/2017

MANAGER: LAND USE MANAGEMENT
(Claire Norton: Professional Planner A/746/1993)



HEAD: DEVELOPMENT PLANNING, ENVIRONMENT AND MANAGEMENT

Copy To:
Department of Economic Development, Tourism and Environmental Affairs
Private Bag X 54321
Durban
4000

Matimu

From: Elaine [elaine@lokisa.co.za]
Sent: Tuesday, 9 May, 2017 2:28 PM
To: Matimu; Faith Makena
Subject: FW: LOK2017/011: BA APPLICATION FOR PROPOSED TELECOMMUNICATION MAST FOR COMMCO HOLDINGS (PTY) LTD - KZN02 BAYVIEW STATION (PORTION 1939 OF ERF 104 CHATSWORTH)

From: Craig Burne [mailto:CraigB@ncc-group.co.za]
Sent: Tuesday, 09 May 2017 12:52 PM
To: elaine@lokisa.co.za
Subject: LOK2017/011: BA APPLICATION FOR PROPOSED TELECOMMUNICATION MAST FOR COMMCO HOLDINGS (PTY) LTD - KZN02 BAYVIEW STATION (PORTION 1939 OF ERF 104 CHATSWORTH)

Dear Ms Minnaar

In terms of the public notice dated Friday 5th May 2017 and in terms of the abovementioned basic assessment application, please can you register me as an I&AP.

My interest in the project is to gain a better understanding of how the application for environmental authorisation process applies and proceeds.

If there are any public meetings relating to this BA, please let me know when and where these are scheduled to take place.

In addition, please let me know where I can obtain copies of any related/applicable documentation (e.g. BID, draft BA application and any specialist studies) relating to the project as and when it progresses.

Thanks & regards,

Craig Burne
M: +27 78 467 3685
E: craigb@ncc-group.co.za



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

Enq: Mr N Leburu
Ms T F Dlamini
Date: 11 December 2017
File: 16/2/7/U700/A1
Tel: 031 336 2741
Fax: 031 305 9915
E-mail: leburun@dws.gov.za

KWAZULU-NATAL REGION

P.O. Box 1018, Durban, 4000, 88 Joe Slovo (Field) Street, Southern Life Building, Durban, 4001
Tel: (031) 336 2700, Fax: (031) 304 9546. www.dws.gov.za

The Director
Lokisa Environmental Consulting
P.O. Box 219
Groenkloof
0027

ATTENTION: ELAINE MINNAAR

Dear Sir/Madam

RE: DRAFT BASIC ASSESSMENT REPORT FOR PROPOSED TELECOMMUNICATION MAST, KZN02 BAYVIEW STATION (PORTION 1939 OF ERF 104 CHATSWORTH), REF NR: LOK2017/011

Reference is made to the above-mentioned Report received by this Office on 03 October 2017.

This Department has the following comments with regard to the proposed project:

1. It is noted on page 1 that the Applicant intends to erect a 30m Monopole mast in at a site located in Bayview, accompanied by support container.
 - 1.1. The Applicant must be authorized by this Department prior to the commencement of any activities which trigger water uses as defined in the NWA.
 - 1.2. It is the responsibility of the Applicant to identify all water uses applicable to the project in terms of Section 21 of the NWA and ensure that all applicable water uses are authorised as such. The Applicant must consult with this Department if clarity is required with regard to water uses and water use authorisations. These water uses are listed in Table 1.

Table 1: Water Uses as per Section 21 of the NWA

s21(a)	taking water from a water resource;
s21(b)	storing water;
s21(c)	impeding or diverting the flow of water in a watercourse;
s21(d)	engaging in a stream flow reduction activity (currently only commercial afforestation);
s21(e)	engaging in a controlled activity – activities which impact detrimentally on a water resource (activities identified in s37(1) or declared as such under s38(1)) namely: <ul style="list-style-type: none">➤ irrigation of any land with waste or water containing waste which is generated through an industrial activity or a waterwork;➤ an activity aimed at the modification of atmospheric precipitation;➤ a power generation activity which alters the flow regime of a water resource; or➤ intentional recharge of an aquifer with any waste or water containing waste
s21(f)	discharging waste or water containing waste into a water resource through a pipe, canal, sewer, sea outfall or other conduit;
s21(g)	disposing of waste or water containing waste in a manner which may detrimentally impact on a water resource;
s21(h)	disposing in any manner of water which contains waste from, or has been heated in, any industrial or power generation process;
s21(i)	altering the bed, banks, course or characteristics of a watercourse;

s21(j)	removing, discharging or disposing of water found underground if it is necessary for the efficient continuation of an activity or for the safety of people; and
S21(k)	using water for recreational purposes

- 1.3. Ms. Zama Hadebe (031 336 2700/2767) of this Department's Water Use Authorisation Section must be contacted for a pre-application meeting to determine the type of authorisations required and the requirements thereof. The onus is on the Applicant to timeously submit a complete water use licence application to this Department for water uses as stipulated under Section 21 of the NWA in time to avoid unnecessary delays.
- 1.4 Please note that if one or more of the water uses for the project requires a water use licence authorisation then by default all other water uses for the project, even those that are within the ambit of a General Authorisation, must be all applied for in a single Integrated Water Use Licence (IWUL) application.
2. This Department demands to know the source of water for this intended development. The Applicant must clearly indicate where and how the water required for construction will be sourced and brought to site.
 - 2.1. A copy of the Service Level Agreement (SLA) and/or proof of communication between the Applicant and the Water Services Provider which indicates that there would be enough capacity to cater for the construction needs of the project must be included in the Report.
 - 2.2. Should the Applicant require to abstract water from a water resource for construction, then this will constitute a water use in terms of Section 21(a) of the NWA and the Applicant will require prior authorization from this Department before commencement of any abstraction.
 - 2.3. Further to *item* 2.2. above the Applicant must indicate the proposed source to be used as well as details of the sustainability of that source in relation to the proposed abstraction rates and volumes.
3. Page 11 of the EMPr states, "There will be ablution facilities provided on the construction site for use by the construction personnel." It is required that these toilets must be situated out of the 1:100 year floodline of a watercourse or outside 100 metres from the riparian zone, whichever is greatest distance.
 - 3.1. The Report must clearly indicate who will be responsible for the management of the chemical toilets and where contents of these toilets will be emptied and safely disposed of.
 - 3.2. The Applicant must indicate how the pollution of water resources from the use of these facilities will be prevented and/or mitigated. There must be no unacceptable health hazards or impacts arising from the disposal of sewage and wastewater during and post construction.
 - 3.3. The Applicant must indicate using a construction site layout maps where the chemical toilets will be positioned during the construction phase of the project in order to ensure that they do not cause any pollution to water resources as well as pose a health hazard.
4. Page 11 of the EMPr states "No waste will be illegally dumped on site." The Applicant must elaborate on the following with respect to the management of waste generated during the project:
 - 4.1. Where will the waste generated be stored prior to collection for disposal and how will these areas be demarcated in order that they are clearly identifiable to ensure proper separation of waste and access control.

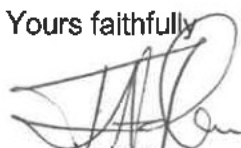
- 4.2. The responsible personnel for the collection of the different waste streams generated from the project and where the different waste streams will be disposed of.
- 4.3. Should the Applicant wish to make use of a private contractor instead of the eThekweni Municipal services to dispose of the waste generated from the project, the following would apply:
 - 4.3.1. The details of the contractor must be made available to this Department.
 - 4.3.2. Safe disposal certificates from a permitted waste disposal site must be kept at hand and must be furnished to this Department when requested.
5. It is vitally important that stormwater is managed along the construction route both during and after construction. The Applicant must develop a stormwater management plan.
 - 5.1. Where applicable, wetlands must be included as part of the detailed stormwater management plan should a certain percentage of stormwater from the site be allowed to drain towards the wetlands. It is important that any stormwater discharging to the wetland is dissipated prior to entering the permanent, seasonal or temporary zone of the wetland so that it does not cause gully erosion or negatively impact on the hydrological functioning of the wetland.
 - 5.2. The Applicant must also demonstrate in the plan how the following will be achieved:
 - 5.2.1. The separation of the stormwater drainage network system away from the waste water (water containing waste) system.
 - 5.2.2. How the construction route will be contoured to ensure free flow of runoff and to prevent the ponding of water.
 - 5.2.3. How drainage will be controlled to ensure that runoff from the construction route will not culminate in off-site pollution or result in damage to properties downstream of any stormwater discharge.
6. The Applicant must also elaborate on measures to:
 - 6.1. Prevent or minimise soil erosion on site i.e. pre-, during- and post- construction activities.
 - 6.2. What and how erosion control measures will be implemented in areas sensitive to erosion.

The Department requires that all the above mentioned comments be incorporated in the Final Basic Assessment Report and the Final Assessment Report must be submitted to this office for further review and comment.

This reply does not grant any exemption from the requirements of any applicable Act, Ordinance, Regulation or Bylaw.

Please do not hesitate to contact this Office should you have any concerns, comments or queries.

Yours faithfully



for PROVINCIAL HEAD: KWAZULU-NATAL

TFD/tfd/15680



STAKEHOLDER COMMENTS ON NOTICE OF AN ENVIRONMENTAL IMPACT ASSESSMENT PROCESS FOR BASIC ASSESSMENT – PROPOSED TELECOMMUNICATION MAST FOR COMMCO HOLDINGS (PTY) LTD – KZN02 BAYVIEW STATION (PORTION 1939 OF ERF 104 CHATSWORTH) Ref Nr. LOK2017/011	
NAME	DHAVAGEE MOODLEY
ORGANISATION	
TEL NUMBER	031 4000 870 / 084 507 6521
FAX NUMBER	
EMAIL ADDRESS	YUGENM@TELKOMSA.NET
DATE	26 / 05 / 2017
COMMENTS: OBJECTION REASONS :	
1. THE NAME OF STREETS ARE INCORRECT, VERY UNPROFESSIONAL	
2. WHAT IS THE IMPACT OF RADIATION & OTHER ENVIRONMENTAL HEALTH ISSUES . THIS TOWER IS GOING TO BE ERECTED NEXT TO ESKOM POWER LINES WHICH ALSO EMIT CERTAIN AMOUNT OF RADIATION.	
SUGGESTION : RELOCATE TOWER TO YELLOWWOOD PARK	

COMPLETED FORMS SHOULD BE FAXED/E-MAILED TO:
ELAINE MINNAAR FAX NUMBER: 012-346 6074 E-MAIL: elaine@lokisa.co.za

Emanuel Maluleke

From: Leburu Neo Vincent (DBN) <LeburuN@dws.gov.za>
Sent: 09 November 2017 11:17 AM
To: Emanuel Maluleke
Cc: 'Elaine Minnaar'; Mokoena Nonkululeko (DBN)
Subject: RE: Comments on Draft Basic Assessment Report

Good day Emanuel

Kindly note that your reports were only received on 03 October 2017. The Department will forward you the comments as soon as they have been finalised.

Regards

Neo Leburu
Water Quality Management
Pongola-Umzimkulu Proto-Catchment Management Agency
Department of Water and Sanitation
KwaZulu-Natal Provincial Operations
☎ 031 336 2741 / 082 805 2023 📠 031 305 9915 ✉ leburun@dws.gov.za



From: Emanuel Maluleke [mailto:lokisa@lokisa.co.za]
Sent: 09 November 2017 10:57 AM
To: Leburu Neo Vincent (DBN); Mokoena Nonkululeko (DBN)
Cc: 'Elaine Minnaar'
Subject: Comments on Draft Basic Assessment Report

Dear Leburu N/ Mokoena N (Department of Water and Sanitation)

I trust you are both well,

May you please provide us with your comments on the Draft BAR for sites:

- KZN02 Bayview Station
- KZN17 Park Rynie
- KZN30 Warner Beach

Thank you

Kind Regards

Emanuel Maluleke

LOKISA ENVIRONMENTAL CONSULTING cc
REG NO: 2001/026529/07
72 Herbert Baker Street, Groenkloof
P.O.BOX 219 GROENKLOOF 0027
TEL (012) 346 7655
FAX (012) 346 6074
lokisa@lokisa.co.za

DISCLAIMER: This message and any attachments are confidential and intended solely for the addressee. If you have received this message in error, please notify the system manager/sender. Any unauthorized use, alteration or dissemination is prohibited. The Department of Water and Sanitation further accepts no liability whatsoever for any loss, whether it be direct, indirect or consequential, arising from this e-mail, nor for any consequence of its use or storage.



**DEVELOPMENT PLANNING,
ENVIRONMENT & MANAGEMENT UNIT
Land Use Management Branch**

166 KE Masinga Road, Durban 4001

PO Box 680, Durban 4000

Tel: 031 311 1111, Fax: 031 311 7776

www.durban.gov.za

Our Ref.: (21/11) DPM/EIA 785
DEDTEA: -
Enquiries: Mrs D. van Rensburg
Telephone: 031 – 3117136

16 November 2017

Lokisa Environmental Consulting cc
P.O. Box 219
Groenkloof
Pretoria
0027

Att: Elaine Minnaar

Dear Sir/Madam,

**RE: DRAFT BASIC ASSESSMENT REPORT FOR THE PROPOSED
TELECOMMUNICATION MAST, KZN02 BAYVIEW STATION, PORTION 1939 OF
ERF 104 CHATSWORTH.**

With reference to the abovementioned Draft Basic Assessment Report, please be advised that various Municipal Departments have had sight of the proposal and the following comments are submitted for your attention:-

1. eThekweni Electricity Department.

The H.V. Department has no objection however please note:

- 1.1. The applicant must consult eThekweni Electricity's mains records (held in the drawing office at eThekweni Electricity Headquarters, 1 Jelf Taylor Crescent, for the presence of underground electrical services. In addition should any overhead line and/or servitude be affected, the specific permission of the Head: Electricity must be sought regarding the proposed development.
- 1.2. The relocation of MV/LV electrical services, if required in order to accommodate the proposed development, will be carried out at the expense of the applicant.

2. Environmental Planning and Climate Protection Department.

This Department has reviewed the application for the proposed telecommunication mast-KZN02 Bayview Station on Portion 1939 of Erf 104 Chatsworth and has no biodiversity objection to the proposed development.

3. Land Use Management Branch.

The site is reserved for road purposes and forms part of the area used for the metro railway system. The site is therefore already fenced off from general public access and therefore would not require a road closure application. Therefore the only requirement would be a special consent for the telecommunication land use in terms of Clause 34 of the Durban Scheme.

The principle of the cellular mast at this location is supported but requires further town planning approvals.

4. Strategic Spatial Planning Branch.

The Strategic Spatial Planning Branch (SSPB) has reviewed the above mentioned application and has the following comments:

- 4.1. In terms of the Spatial Development Framework (SDF 2017/2018) and the Central Spatial Development Plan (CSDP 2014/2015), the site is identified as a rail station.
- 4.2. The proposed construction of the Monopole Mast with associated Telecommunication Infrastructure on Portion 1939 of Erf 104 Chatsworth does not appear to be directly interfering with any residential properties. In view of the above, the Strategic Spatial Planning Branch has no objection to the proposal subject to:
 - a. Applicant meeting all the base Telecommunication Transceiver Station Environmental Health requirements in the eThekweni Cell Mast Policy (27/10/2005) specifically, Clause 34 (Base Telecommunications Transceiver Stations (cellular masts)) Section 4, No 4.1. and 4.4. of the Durban Town Planning Scheme.

Further, please note;

- This Branch's comment is subject to the applicant meeting all sector Department requirements.
- This support should not be deemed to be an approval of the eThekweni Municipality.
- This Branch reserves the right to comment further should the need arise.

5. Coastal, Stormwater and Catchment Management.

No comment from this Department.

6. Parks, Leisure and Cemeteries.

No comment on this application.

7. Pavement and Geotechnical Engineering.

No geotechnical objection.

8. eThekweni Transport Authority.

No objection to the proposed application for the development of a telecommunication mast on Portion 1939 of Erf 104 Chatsworth situated at the Bayview Train Station. This development has no traffic impact however, it should be noted that access to the telecommunication mast site will not be allowed off Higginson Highway.

9. Environmental Health Department.

No objection is lodged to the application subject to the following conditions being adhered to:

- 9.1. During the construction phase the following must be taken into consideration:
 - There must be no negative impact to the surrounding communities and structures.
 - The applicant or owners must ensure that no health problems, noise, nuisances or any safety related problems are caused to the surrounding premises and residents.
 - Any work or construction must take place only during working hours and not after hours.
 - All storage of building materials and equipment to be undertaken in an approved manner and not to cause any health nuisances or disturbance or environmental concerns.
 - All contracted workers must be provided with the prescribed personal protective wear and equipment for such activity including sanitary facilities.
 - All health and safety measures must be taken with regards to employee/staff engaged in such work, and access to the site must be restricted only to the construction workers.
 - Ensure no health nuisances/problems are generated by way of emissions of dust or any other related air emission problems/nuisances/disturbances.
- 9.2. No environmental health related problems to be cause to the surrounding community and areas and no noise nuisance or disturbances to be caused to the surrounding sites and residents at all times.
- 9.3. There must be no access to the site/station by general public or animals.

- 9.4. At any time the Municipality may request compliance monitoring by an independent certified expert to verify any issues relating to the siting and operation of the proposed TI to assess that RF EME (Radio Frequency Electro Magnetic Emission) levels are within standards set for public exposure limits as per the ICNIRP (1998/2009) public exposure guidelines.
- 9.5. In the event of measurements showing evidence that the RF EME levels exceed the ICNIRP public exposure guidelines, the NDOH and the Municipality must be notified and the NDOH and Municipality may take appropriate action required at such time in order to further investigate and close or discontinue the TI site, if so required.

10. eThekweni Water and Sanitation Department.

- 10.1. Sanitation Planning Branch.
This Branch has no objection to the installation of the proposed telecommunication mast.
- 10.2. Water Design Branch.
No objection to the proposal.

11. Durban Solid Waste.

This Department has no requirements for this proposal.

12. Disaster Management.

No comment from this Department.

13. Fire Safety.

No comment received.

Should you seek clarification on any of the above issues, please contact the writer on telephone: 031 - 3117136 or via e-mail: diane.vanrensburg@durban.gov.za In addition, the Department requests that a copy of the Environmental Authorisation be emailed to the same address.

Yours faithfully



29/11/2017

MANAGER: LAND USE MANAGEMENT
(Claire Norton: Professional Planner A/746/1993)



HEAD: DEVELOPMENT PLANNING, ENVIRONMENT AND MANAGEMENT

Copy To:
Department of Economic Development, Tourism and Environmental Affairs
Private Bag X 54321
Durban
4000

Matimu

From: Diane VanRensburg [Diane.VanRensburg@durban.gov.za]
Sent: Monday, 8 May, 2017 9:12 AM
To: Matimu
Subject: RE: NOTICE OF AN ENVIRONMENTAL IMPACT ASSESSMENT PROCESS FOR BASIC ASSESSMENT PROPOSED TELECOMMUNICATION MAST FOR COMMCO HOLDINGS (PTY) LTD - KZN30 WARNER BEACH Ref Nr. LOK2017/014

Dear Matimu,

Please note that I will need four hard copies and 6 CD copies of the full report for circulation/comment by the relevant Municipal Departments.

Kind Regards
Diane.

From: Matimu [mailto:matimu@lokisa.co.za]
Sent: Monday, May 08, 2017 9:04 AM
To: Diane VanRensburg
Cc: 'Elaine'; 'Emanuel Maluleke'
Subject: RE: NOTICE OF AN ENVIRONMENTAL IMPACT ASSESSMENT PROCESS FOR BASIC ASSESSMENT PROPOSED TELECOMMUNICATION MAST FOR COMMCO HOLDINGS (PTY) LTD - KZN30 WARNER BEACH Ref Nr. LOK2017/014

Good Day Diane

eThekwini Municipality has been registered as an Interested and Affected Party (I&AP).

The Draft Basic Assessment Report will be made available for review once the report has been finalised. Review dates will be communicated in due course.

Kind Regards,

Ms Matimu Makamu
Lokisa Environmental Consulting cc
Tel: 012 346 7655
Fax: 012 346 6074
Cell: 073 475 3228
e-mail: matimu@lokisa.co.za

From: Diane VanRensburg [<mailto:Diane.VanRensburg@durban.gov.za>]
Sent: Friday, 5 May, 2017 2:39 PM
To: Matimu
Subject: RE: NOTICE OF AN ENVIRONMENTAL IMPACT ASSESSMENT PROCESS FOR BASIC ASSESSMENT PROPOSED TELECOMMUNICATION MAST FOR COMMCO HOLDINGS (PTY) LTD - KZN30 WARNER BEACH Ref Nr. LOK2017/014

Dear Matimu,

Please will you register eThekwini Municipality as an Interested and Affected Party and provide the necessary documents for circulation/comment once available.

Kind Regards
Diane.

From: Matimu [<mailto:matimu@lokisa.co.za>]

Sent: Friday, May 05, 2017 10:58 AM

To: Diane VanRensburg

Cc: 'Emanuel Maluleke'

Subject: NOTICE OF AN ENVIRONMENTAL IMPACT ASSESSMENT PROCESS FOR BASIC ASSESSMENT PROPOSED TELECOMMUNICATION MAST FOR COMMCO HOLDINGS (PTY) LTD - KZN30 WARNER BEACH Ref Nr. LOK2017/014

Dear Diane van Rensburg (eThekweni Municipality)

NOTICE OF AN ENVIRONMENTAL IMPACT ASSESSMENT PROCESS FOR BASIC ASSESSMENT – PROPOSED TELECOMMUNICATION MAST FOR COMMCO HOLDINGS (PTY) LTD – KZN30 WARNER BEACH (ERF 2961 KINGSBURGH)

Ref Nr. LOK2017/014

Attached please find notice for your attention.

Kind Regards

Ms Matimu Makamu
Lokisa Environmental Consulting cc
Tel: 012 346 7655
Fax: 012 346 6074
Cell: 073 475 3228
e-mail: matimu@lokisa.co.za

This email has been scanned by the IS Symantec Email Safeguard.cloud Anti-Virus service.
For more information please visit <http://www.symanteccloud.com>

This email has been scanned by the IS Symantec Email Safeguard.cloud Anti-Virus service.
For more information please visit <http://www.symanteccloud.com>

This email has been scanned by the IS Symantec Email Safeguard.cloud Anti-Virus service.
For more information please visit <http://www.symanteccloud.com>

This email has been scanned by the IS Symantec Email Safeguard.cloud Anti-Virus service.
For more information please visit <http://www.symanteccloud.com>

Matimu

From: Elaine [elaine@lokisa.co.za]
Sent: Tuesday, 9 May, 2017 10:54 AM
To: Matimu; Faith Makena
Subject: FW: Proposed telecommunication mast KZN Bayview Station

[Please register](#)

From: Jose Jovan Pillay [mailto:jjovanpillay@gmail.com]
Sent: Tuesday, 09 May 2017 10:24 AM
To: elaine@lokisa.co.za
Subject: Proposed telecommunication mast KZN Bayview Station

Hi Elaine,

My name is Jose Pillay and I stay on Railview Road.

I have received your communication of wanting to build the towers in Bayview. As a resident I will have to object against this, we have done our research on the effect of this and we cannot allow for this to proceed.

Please note that many other residents are not pleased with this and I would suggest that you hold a meeting with residents before proceeding with anything.

Thanks
Jose

078 330 4917(c)

Matimu

From: Elaine [elaine@lokisa.co.za]
Sent: Friday, 9 June, 2017 12:02 PM
To: Matimu
Subject: FW: Portion 1939 of ERF 104 Chatsworth

[Please register](#)

From: Sashen M [mailto:sashenm4@gmail.com]
Sent: Friday, 09 June 2017 11:09 AM
To: Elaine
Subject: Re: Portion 1939 of ERF 104 Chatsworth

Hi Elaine

she objects to the construction of the mast.

Regards
Sashen

On Wed, Jun 7, 2017 at 11:19 AM, Elaine <elaine@lokisa.co.za> wrote:

Sashen

Apologies but the content of your email was unclear.

Do you mean to say that Mrs Marimuthoo objects against the construction of the mast? And if so, does she have any reason for doing so?

Regards

Elaine Minnaar

LOKISA ENVIRONMENTAL CONSULTING CC

TEL (012) 346 7655

FAX (012) 346 6075

Cel: 082 493 9616

elaine@lokisa.co.za

www.lokisa.co.za

From: Sashen M [mailto:sashenm4@gmail.com]

Sent: Wednesday, 07 June 2017 8:24 AM

To: elaine@lokisa.co.za

Subject: Portion 1939 of ERF 104 Chatsworth

Hi Elaine

As per Mrs Marimuthoo she as Declined On the proposed telecommunication mast for commco holdings.

Kind Regards

Sashen

Elaine

From: Yugen Moodley <yugenm@telkomsa.net>
Sent: Wednesday, 04 October 2017 8:31 AM
To: 'Emanuel Maluleke'
Cc: 'Elaine'; 'Faith Makena'; chatsworthtabloid@tabloidmedia.co.za; editorrs@dbn.caxton.co.za; yoshiniperumal@gmail.com; CraigB@ncc-group.co.za; jjovanpillay@gmail.com; sashenm4@gmail.com; rafshah.mp@gmail.com; ganas.govender8@gmail.com; yugenm@telkomsa.net; Mervin.Soobramoney@acacia-re.co.za; SelvanN@openseve.co.za
Subject: RE: PROPOSED TELECOMMUNICATION MAST - KZN02 BAYVIEW STATION

Good day,

Please note that most of residents in this area has objected to the “proposed construction of a telecommunication” mast. It seems that your company is continuing with this project/EIA assessments etc, despite our objections.

I want to place on record that if this project succeeds and if any of our residents develop terminal or chronic diseases that is slightly related to the mast then rest assured the company responsible for the mast will have to face the consequences.

Personally, I don't have the time for any further dialogue on this matter and this is my final submission which is not negotiable.

Kind Regards,

Yugen Moodley
0314000870
0845076521
Email: yugenm@telkomsa.net

From: Emanuel Maluleke [mailto:lokisa@lokisa.co.za]
Sent: Monday, October 2, 2017 3:27 PM
To: CraigB@ncc-group.co.za; yugenm@telkomsa.net; jjovanpillay@gmail.com; sashenm4@gmail.com
Cc: 'Elaine'; 'Faith Makena'
Subject: PROPOSED TELECOMMUNICATION MAST - KZN02 BAYVIEW STATION

Dear I&AP

We hereby notify you that the Draft Basic Assessment Report (BAR) for the above is available for review and comment from **02 October 2017** to **02 November 2017**.

DRAFT BASIC ASSESSMENT REPORT

**THE PROPOSED CONSTRUCTION OF A TELECOMMUNICATION – KZN02
BAYVIEW STATION
(PORTION 1939 OF ERF 104 CHATSWORTH)
REF NR. LOK2017/011**

Project description

The project entails the Construction of a 30m Monopole Mast within the footprint size of 12m x 6m area and a support container. The site is to accommodate three service providers.

Regulatory Process

In terms of the National Environmental Management Act, 1998 (Act No 107 of 1998) and associated EIA Regulations published during 2014 (as amended 2017), an Environmental Authorisation should be obtained from the relevant decision making authority, prior to the commencement of certain listed activities that may result in potential negative impacts on the environment.

The activity applied for:

Activity listed under GN R985:

Activity 3 - The Development of masts or towers of any material or type used for telecommunication broadcasting or radio transmission purposes where the mast or tower: (a) to be placed on a site not previously used for this purpose; and (b) will exceed 15m in height (d) In KwaZulu-Natal (xiii) In urban areas (dd) Areas within 1 kilometre from protected areas identified in terms of NEMPAA.

Location

The site is approximately 1.6km south east of Woodhurst, 100m west of the M20 road, south of the M1 north highway, at the Bayview Train Station, Bayview.

Should you require an electronic copy of the report, please be so kind as to contact Emanuel Maluleke or Faith Makena on (012) 346 7655 or lokisa@lokisa.co.za/ faith@lokisa.co.za in order to make arrangements to collect an electronic copy at:

72 Herbert Baker Street
Groenkloof
Pretoria
0081

The copy is also available via Dropbox.

Please advise should you require a CD or a Dropbox link of the Draft Report.

Kind Regards

Emanuel Maluleke

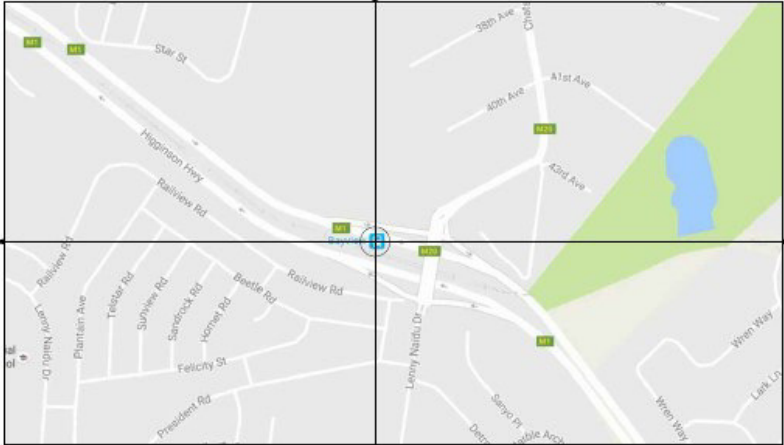
LOKISA ENVIRONMENTAL CONSULTING cc
REG NO: 2001/026529/07
72 Herbert Baker Street, Groenkloof
P.O.BOX 219 GROENKLOOF 0027
TEL (012) 346 7655
FAX (012) 346 6074
lokisa@lokisa.co.za

Appendix 5

Comments and Responses Report

**BAYVIEW STATION
COMMENTS AND RESPONSES REPORT
FEBUARY 2018**

Issue	Commentator	Date	Response
1. eThekwini Municipality requested to be registered as an I&AP and that the necessary documents be submitted to the Municipality for circulation/comment once available.	D. Van Rensburg eThekwini Municipality	5 May 2017	1. eThekwini Municipality is registered as an I&AP and the Draft Basic Assessment Report will be submitted for comment.
2. Requested to be registered as an I&AP. 3. His interest in the project is to gain a better understanding of how the application for environmental authorisation process applies and proceeds. 4. If there are any public meetings relating to this BA, he wants to be informed of when and where these are scheduled to take place. 5. Requested to be informed of where he can obtain copies of any related/applicable documentation (e.g. BID, draft BA application and any specialist studies) relating to the project as and when it progresses.	C. Burne	9 May 2017	2. Registered as an I&AP. 3. The proposed activity is listed in terms of the EIA Regulations, 2014 (as amended, 2017) and therefore requires environmental authorisation from the KwaZulu-Natal Department of Economic Development, Tourism and Environmental Affairs (KZN EDTEA). The Basic Assessment (BA) process will apply and the applicable activity is Activity 3 of Listing Notice 3 (GNR 324) which reads as follows: The development of masts or towers of any material or type used for telecommunication broadcasting or radio transmission purposes where the mast or tower — (a) is to be placed on a site not previously used for this purpose; and (b) will exceed 15 metres in height — d. KwaZulu-Natal xiii. Inside urban areas: (dd) Areas within 1 kilometre from terrestrial protected areas identified in terms of NEMPAA. The following allowances have been made for time in terms of the BA process: <ul style="list-style-type: none"> • Public Participation Process (PPP) which includes providing Interested and Affected Parties (I&APs) 30 days to register. • Submit the Draft BAR to I&APs and State Departments and provide 30 days for comment. • Compile Final BAR after receipt of comments on Draft Basic Assessment Report. • Submit the Final BAR to I&APs and State Departments and provide 30 days for comment.

Issue	Commentator	Date	Response
			<ul style="list-style-type: none"> Submit Final BAR with comments received and inclusive of specialist reports to GDARD within 90 days of submission of Application form to GDARD. Within 107 days of receipt of Basic Assessment Report, GDARD to grant or refuse environmental authorisation. <p>4. A public meeting for this project is not envisaged at this time. 5. The availability of the Draft BAR for a comment period of 30 days will be communicated to all registered I&AP's</p>
<p>6. The name of streets are incorrect, very unprofessional 7. What is the impact of radiation and other health environmental issues. This tower is going to be erected next to Eskom power lines which also emit certain amount of radiation 8. Suggestion: Relocate tower to Yellowwood Park</p>	D. Moodley	25 May 2009	<p>6. It is unclear which street names are referred to. Please refer to Locality map with street names below.</p>  <p>7. According to the World Health Organization, a large number of studies have been performed over the last two decades to assess whether mobile phones pose a potential health risk. To date, no adverse health effects have been established as being caused by mobile phone use. (http://www.who.int/mediacentre/factsheets/fs193/en/)</p> <p>8. Relocation of the tower is not a possibility as the site is for PRASA and the own the site.</p>
<p>9. Objects to the construction of the mast. They have done their research on the effect of this and they cannot allow for this to proceed. 10. Please note that many other residents are not pleased with this and he suggested that a meeting be held with residents before proceeding with anything.</p>	J. Pillay	9 May 2017	<p>9. Objection noted. 10. Noted. A public meeting for this project is not envisaged at this time, However all documents have been made available for comments.</p>

Issue	Commentator	Date	Response
11. Objects to the construction of the mast.	Mrs Marimuthoo	7 June 2017	11. Objection noted.
<p>12. Please note that most of residents in this area has objected to the “proposed construction of a telecommunication” mast. It seems that your company is continuing with this project/EIA assessments etc, despite our objections.</p> <p>I want to place on record that if this project succeeds and if any of our residents develop terminal or chronic diseases that is slightly related to the mast then rest assured the company responsible for the mast will have to face the consequences.</p> <p>Personally, I don’t have the time for any further dialogue on this matter and this is my final submission which is not negotiable.</p>	<p>Yugen Moodley 0314000870 0845076521 Email: yugenm@telkomsa.net</p>	2017/10/04	12. Mr Moodley was provided with a copy of the Draft BAR for comment.
<p>13. As indicated below, a copy of the Draft BAR is available via Dropbox download. Please should you email me a Dropbox link to download the draft report.</p> <p>Are there any specialist studies which were also carried out as part of the environmental application process and are these available on Dropbox as well? To better understand the entire process and provide any input and comment (if at all I have any comments), I would need to read through the specialist studies as well.</p>	Craig Burne	02 October 2017	<p>13. The Dropbox Link to the report was provided.</p> <p>No Specialist Studies were undertaken for this project.</p>
<p>14. Various departments at the eThekweni Municipality have had sight of the proposal and the following comments were made:</p> <p>14.1 eThekweni Electricity Department: The applicant must consult eThekweni Electricity’s mains records (held in the drawing office at eThekweni Electricity Headquarters, 1 Jelf Taylor Crescent for the presence of underground electrical services. In addition should any overhead line and/or servitude be affected, the specific permission of the Head: Electricity must be sought regarding the proposed</p>	<p>Claire Norton and Diane Van Rensburg eThekweni Municipality – Development Planning &</p>	16 November 2017	<p>14.1 Comment Noted 14.1.1 Relocation of electrical services will be for the account of the applicant. 14.2 Comment Noted 14.3 Town planning approvals are being sought. 14.4.1 The site forms part of a railway station. 14.4.2 Comment Noted. 14.4.3 Applicant will meet the sector’s requirements. 14.4.4 Comment Noted 14.4.5 Comment Noted</p>

Issue	Commentator	Date	Response
<p>development.</p> <p>14.1.1 The relocation of MV/LV electrical services, if required in order to accommodate the proposed development, will be carried out at the expense of the applicant.</p> <p>14.2 Environmental Planning and Climate Protection Department: This Department has revised the application for the proposed telecommunication mast – KZN02 Bayview Station on Portion 1939 of Erf 104 Chatsworth and has no biodiversity objection to the proposed development.</p> <p>14.3 Land Use Management Branch: The site is reserved for road purposes and forms part of the area used for the metro railway system. The site is therefore already fenced off from general public access and therefore would not require a road closure application. Therefore the only requirement would be a special consent for the telecommunication land use in terms of Clause 34 of the Durban Scheme. The principle of the cellular mast at this location is supported but requires further town planning approvals.</p> <p>14.4 Strategic Spatial Planning Branch: The Strategic Spatial Planning Branch (SSPB) has reviewed the above mentioned application and has the following comments:</p> <p>14.4.1 In terms of the Spatial Development Framework (SDF 2017/2018) and the Central Spatial Development Plan (CSDP 2014/2015), the site is identified as a rail station.</p> <p>14.4.2 The proposed construction of the Monopole Mast with associated Telecommunication Infrastructure on Portion 1939 of Erf 104 Chatsworth does not appear to be directly interfering with any residential properties. In view of the above, the Strategic Spatial Planning Branch has no objection to the proposal subject to: Application meeting all the base Telecommunication Transceiver Station Environmental Health requirements in the eThekweni Cell Mast Policy (27/10/2005) specifically, Clause 34 (Base Telecommunications Transceiver Stations (cellular masts)) Section 4, No 4.1 and 4.4 of the Durban Town Planning Scheme.</p> <p>14.4.3 Further, please note; This Branch's comment is subjected to the applicant meeting all sector Department</p>	<p>Management Unit Land Use Management Branch</p>		<p>14.4.6 Comment Noted 14.4.7 Comment Noted 14.8 No access will be allowed off Higginson Highway 14.9 Comments noted and to be adhered to. 14.9.2 Comment Noted 14.9.3 Comment Noted 14.9.4 Comment Noted 14.9.5 Comment Noted</p>

Issue	Commentator	Date	Response
<p>requirements.</p> <p>14.4.4 This support should not be deemed to be an approval of the eThekweni Municipality.</p> <p>14.4.5 This Branch reserves the right to comment further should the need arise.</p> <p>14.5 Coastal, Stormwater and Catchment Management: No comment on this application.</p> <p>14.6 Parks, Leisure and Cemeteries: No comment on this application.</p> <p>14.7 Pavement and Geotechnical Engineering: No Geotechnical objection.</p> <p>14.8 eThekweni Transport Authority: No objection to the proposed application for the development of a telecommunication mast on Portion 1939 of Erf 104 Chatsworth situated at the Bayview Train Station. This development has no traffic impact however, it should be noted that access to the telecommunication mast site will not be allowed off Higginson Highway.</p> <p>14.9 Environmental Health Department: No objection is lodged to the application subject to the following conditions being adhered to:</p> <p>14.9.1 During the Construction phase the following must be taken into consideration:</p> <ul style="list-style-type: none"> • There must be no negative impact to the surrounding communities and structures. • The applicant or owners must ensure that no health problems, noise, nuisances or any safety related problems are caused to the surrounding premises and residents. • Any work or construction must take place only during working hours and not after hours. • All storage of building material to be undertaken in an approved manner and not to cause any health nuisances or disturbance or environmental concerns. • All contracted workers must be provided with the prescribed personal protective wear and equipment for such activity including sanitary facilities. • All health and safety measures must be taken with regards to employee / staff engaged in such work, and access to the site must be restricted only to the 			

Issue	Commentator	Date	Response
<p>construction workers.</p> <ul style="list-style-type: none"> • Ensure no health nuisances/problems are generated by way of emission of dust or any other related air emission problems/ nuisances/ disturbances. <p>14.9.2 No environmental health related problems to be cause to the surrounding community and areas and no noise nuisance or disturbances to be caused to the surrounding sites and residents at all times.</p> <p>14.9.3 There must be no access to the site/station by general public or animals.</p> <p>14.9.4 At any time the Municipality may request compliance monitoring by an independent certified expert to verify any issues relating to the siting and operation of the proposed TI to assess that RF EME (Radio Frequency Electro Magnetic Emission) levels are within standards set for public exposure guidelines.</p> <p>14.9.5 In the event of measurement showing evidence that the RF EME levels exceed the ICNIRP public exposure guidelines, the NDOH and the Municipality must be notified and the NDOH and Municipality may take appropriate action required at such time in order to further investigate and close or discontinue the TI site, if so required.</p> <p>14.10 eThekwini Water and Sanitations Department: The Sanitation Planning Branch and Water Design Branch has no objection to the installation of the proposed telecommunication mast.</p> <p>14.11 Durban Solid Waste: The Department has no requirement for this proposal.</p> <p>14.12 Disaster Management: No comment from this Department.</p> <p>14.13 Fire Safety: No comment received.</p>			
<p>15. The department has the following comments with regards to the proposed project:</p> <p>15.1 It is noted on page 1 that the applicant intends to erect a 30m Monopole mast accompanied by support container at a site located in Kingsburgh within eThekwini Municipality.</p> <p>15.1.1 The applicant must be authorised by this Department prior to the commencement of any activities which trigger water uses as defined in the NWA.</p> <p>15.1.2 It is the responsibility of the Applicant to identify all</p>	<p>Mr N Leburu/ Ms TF Dlamini Kwazulu-Natal - Department of Water & Sanitation</p>	<p>11 December 2017</p>	<p>1.1 No activities will take place that trigger a water use as defined in NWA.</p> <p>1.2 See above response</p> <p>1.3 No activities will take place that trigger a water use as defined in NWA.</p> <p>1.4 Noted</p> <p>2 No water is required for the operational phase of the development. Water required during the construction phase will be delivered via tanker. Cement is brought to site via a ready mix truck and contractors normally have a small water</p>

Issue	Commentator	Date	Response
<p>water uses applicable to the project in terms of Section 21 of the NWA and ensure that all applicable water uses are authorised as such. The applicant must consult with this department if clarity is required with regard to water uses and water use authorisations.</p> <p>15.1.3 Ms. Zama Hadebe (031 336 2700/2767) of this Department's Water use Authorisation Section must be contacted for a pre-application meeting to determine the type of authorisations required and the requirements thereof. The onus is on the Applicant to timeously submit a complete water use licence application to this Department for water uses as stipulated under Section 21 of the NWA in time to avoid unnecessary delays.</p> <p>15.1.4 Please note that if one or more of the water uses for this project requires a water use licence authorisation then by default all other water uses for the project, even those that are within ambit of a General Authorisation, must be all applied for in a single Integrated Water Use License (IWUL) application.</p> <p>15.2 This Department demands to know the source of water for this intended development. The Applicant must clearly indicate where and how the water the water required for construction will be sourced and brought to site.</p> <p>15.2.1 A copy of the Service Level Agreement (SLA) and / or proof of communication between the Applicant and the Water Services Provider which indicates that there would be enough capacity to cater for the construction needs of the project must be included in the Report.</p> <p>15.2.2 Should the Applicant require to abstract water from a water resource for construction, then this will constitute a water use in terms of Section 21(a) of the NWA and the Applicant will require prior authorisation from this Department before commencement of any abstraction.</p> <p>15.2.3 Further to item 2.2 above the Applicant must indicate the proposed source to be used as well as details of the sustainability of that source in relation to the proposed abstraction rates and volumes.</p> <p>15.3 Page 11 of the EMPr states, "There will be ablution facilities provide on the construction site for use by the construction personnel". It is required that these toilets must be situated out of the 1:00 year floodline of a watercourse</p>			<p>tank on site that can be used for the small quantities of water that may be required.</p> <p>3 The EMP has been amended to indicate that:</p> <p>3.1 A local contractor will be appointed to provide and maintain the chemical toilets required during the construction phase. The contents of the toilets are to be disposed of at the nearest sewerage treatment plant and a contract is to be entered into with the contractor to this extent.</p> <p>3.2 No surface water bodies are in close proximity to the site and no water pollution from the chemical toilets are expected.</p> <p>3.3 The toilets are to be situated adjacent to the layout footprint.</p> <p>4 Waste is to be stored in a skip and will be collected by a local contractor.</p> <p>4.1 Waste is to be disposed of at a licensed facility and way bills are to be presented by the contractor of proof of disposal.</p> <p>4.2 The site manager is responsible for waste and will oversee the contractor.</p> <p>4.3 Once the contractor is appointed this information can be provided.</p> <p>5 The area that is disturbed is 100m2 and the site falls in the station site. No impact on stormwater is expected as the station stromwater system is to be utilized.</p> <p>6 The site is to be rehabilitated and grass is to be planet in order to ensure soil erosion does not take place. Inspections are required after the rainy season and where needed areas are to be rehabilitated.</p>

Issue	Commentator	Date	Response
<p>or outside 100 metres from riparian zone, whichever is greatest distance.</p> <p>15.3.1 The report must clearly indicate who will be responsible for the management of the chemical and where contents of these toilets will be emptied and safely disposed of.</p> <p>15.3.2 The Applicant must indicate how the pollution of water resources from the use of these facilities will be prevented and/ or mitigated. There must be no unacceptable health hazards or impacts arising from the disposal of sewage and wastewater during and post construction.</p> <p>15.3.3 The Applicant must indicate using a construction site layout maps where the chemical toilets will be positioned during the construction phase of the project in order to ensure that they do not cause any pollution to water resources as well as pose a health hazard.</p> <p>15.4 Page 11 of the EMP states “No waste will be illegally dumped on site”. The Applicant must elaborate on the following with respect to management of waste generated during the project:</p> <p>15.4.1 Where will the waste generated be sorted prior to collection for disposal and how will these areas be demarcated in order that they are clearly identified to ensure proper separation of waste and access control.</p> <p>15.4.2 The responsible personnel for the collection of the different waste streams generated from the project and where the different waste streams will be disposed of.</p> <p>15.4.3 Should the Applicant wish to make use of private contractor instead of eThekweni Municipal Services to dispose the waste generated from the project, the following would apply:</p> <ul style="list-style-type: none"> • The details of the contractor must be made available to this Department. • Safe disposal certificates from a permitted waste disposal site must be kept at hand and must be furnished to this Department when request. <p>15.5 It is vitally important that stormwater is managed along the construction route both during and after construction. The Applicant must develop a stormwater management plant.</p>			

Issue	Commentator	Date	Response
<p>15.5.1 Where applicable, wetlands must be included as part of the detailed stormwater management plan should a certain percentage of stormwater from the site be allowed to drain towards the wetlands. It is important that any stormwater discharging to the wetland is dissipated prior to entering the permanent, seasonal or temporary zone of the wetland so that it does not cause gully erosion or negatively impact on the hydrological functioning of the wetland.</p> <p>15.5.2 The Applicant must also demonstrate in the plan how the following will be achieved:</p> <ul style="list-style-type: none"> • The separation of stormwater drainage network system away from the waste water (water containing waste) system. • How the construction route will be contoured to ensure free flow of runoff and to prevent the ponding of water. • How drainage will be controlled to ensure that runoff from the construction route will not culminate in off-site pollution or result in damage to properties downstream of any stormwater discharge. <p>15.6 The Applicant must also elaborate on measures to:</p> <ul style="list-style-type: none"> • Prevent or minimise soil erosion on site i.e. pre-, during- and post – construction activities. • What and how erosion control measures will be implemented in areas sensitive to erosion. 			

Appendix 6

Copy of the register of I&APs

BAYVIEW STATION
LIST OF REGISTERED I & AP'S
MARCH 2018

Contact Person	Organisation	Tel	Fax	E-mail	Address
D. Van Rensburg	eThekwini Municipality	-	-	Diane.VanRensburg@durban.gov.za	-
C. Burne	Private	078 467 3685	-	CraigB@ncc-group.co.za	-
D. Moodley	Private	031 400 0870 084 507 6521	-	yugenm@telkomsa.net	-
J. Pillay	Private	078 330 4917	-	jjovanpillay@gmail.com	-
Mrs Marimuthoo	Private	-	-	sashenm4@gmail.com	-

Appendix 7

Civil Aviation Authority

CAA WAS REQUESTED FROM THE APPLICANT, APPLICANT HAS APPLIED FOR IT FROM COUNCIL AND WILL PROVIDE IT TO US UPON RECEIPT.

Appendix 8

Other

NOT APPLICABLE

Appendix E

EMPr



Lokisa Environmental Consulting CC
P.O. Box 219 Phone (012) 346 7655
Groenkloof Fax (012) 346 6074
0027 Cell 082 493 9616

FINAL ENVIRONMENTAL MANAGEMENT PROGRAMME

FOR

**PROPOSED TELECOMMUNICATION MAST – KZN02 BAYVIEW STATION
(PORTION 1939 OF ERF 104 CHATSWORTH)
REF NR: LOK2017/011**

PREPARED FOR:

CommCo Holdings (Pty) Ltd
P.O. Box 2506
Saxonwold
2132

Tel: 010 595 8569

PREPARED BY:

Lokisa Environmental Consulting CC
P.O. Box 219
Groenkloof,
0027

Tel: 012 346 7655
Fax: 012 346 6074

Date: March 2018
Enq: E Minnaar

ENVIRONMENTAL MANAGEMENT PLAN: INFORMATION SHEET

Contact Person:

Elaine Minnaar
Lokisa Environmental Consulting CC
P.O. Box 219
Groenkloof
0027

Tel: 012 346 7655
Fax: 012 346 6074
Cell: 082 493 9616

B(TRP) (Pretoria), Environmental Management (NWU), Waste Management (NWU), Environmental Law (NWU), Implementing Environmental Management Systems (SABS/ISO 14001) (NWU)

Author Details:

1.1 Researched and Compiled By:

Elaine Minnaar
Lokisa Environmental Consulting CC
P.O. Box 219
Groenkloof
0027

Tel: 012 346 7655
Fax: 012 346 6074
Cell: 082 493 9616

1.2 Qualifications

B(TRP) (Pretoria),
Environmental Management (NWU),
Waste Management (NWU),
Environmental Law (NWU),
Implementing Environmental Management Systems (SABS/ISO 14001) (NWU)

1.3 Professional Affiliation

International Association for Impact Assessment (IAIA)

1.4 Verification Statement

I, Elaine Minnaar (6904260204083) declare under oath that of –
The correctness of the information provided in the reports;
The inclusion of comments and inputs from stakeholders and I&AP's;
The inclusion of inputs and recommendations from the specialist reports where relevant;
Any information provided by the EAP to interested and affected parties and any responses by the EAP to comments or inputs by interested and affected parties.



Signature

March 2018
Date

Table of Contents

1. Background and Project Description	4
2. Purpose	5
3. Scope of Environmental Management Programme	5
4. Environmental Control Measures	6
5. Contractual Considerations & Responsibilities	6
6. Pre-Construction and Construction Phase	7
6.1 Setting out & site orientation	7
6.2 Site Clearance.....	8
6.2.2 Mitigatory Measures.....	8
6.3 Laying of the concrete casts	8
6.4 Preparing the foundation for the fence and it's construction	9
6.5 Placing the mast and container	9
6.6 Connecting all relevant components	10
7. Operational Phase Management.....	11
8. Decommissioning Management	12
9. Conclusion	13
10. Amendments to the EMPr	13

Abbreviations and Definitions

Construction footprint	The area of the Cellular telecommunications base station site including a 2m radius around the site
Compliance	Conforming to the environmental control measures set out in the EMPr
Contractor	Contractor refers to the main contractor appointed by the client to complete the construction
EC	Environmental Consultant. Individuals or firms whose role it is to act as independent, objective environmental information providers to stakeholders in order to inform the decision making process.
EIA	Environmental Impact Assessment
EMPR	Environmental Management Programme
Environment	The surroundings within which people exist. The environment is made up of: the soil, water and atmosphere; fauna and flora; any pert, combination or interrelationships among these; and all the physical, chemical, aesthetic and cultural properties and conditions of the foregoing that influence human health and well-being.
Environmental Impact	Any change to the environment, whether adverse or beneficial, wholly or partially resulting from an organisation's activities, products or services.
Interested Party	Individuals or groups concerned with or affected by an activity and its consequences. These include the authorities, local communities, investors, work force, customers and consumers, environmental interested groups and the general public
EA	Environmental Authorisation

1. Background and Project Description

The project entails the construction of a 30m Monopole Mast within the footprint size of a 12m x 6m area and a support container on Portion 1939 of Erf 104 Chatsworth within the jurisdiction of eThekweni Municipality. The site is to accommodate three service providers.

The proposed site is located next to the Higginson Highway (M1), just west of where 42nd Avenue crosses the highway. The train station is situated north of Bayview and south of Umhlatuzana. The Bayview Train Station is surrounded by high density residential developments with an open space area to the North and the Kenneth Stainbank Nature Reserve situated to the east of the site.

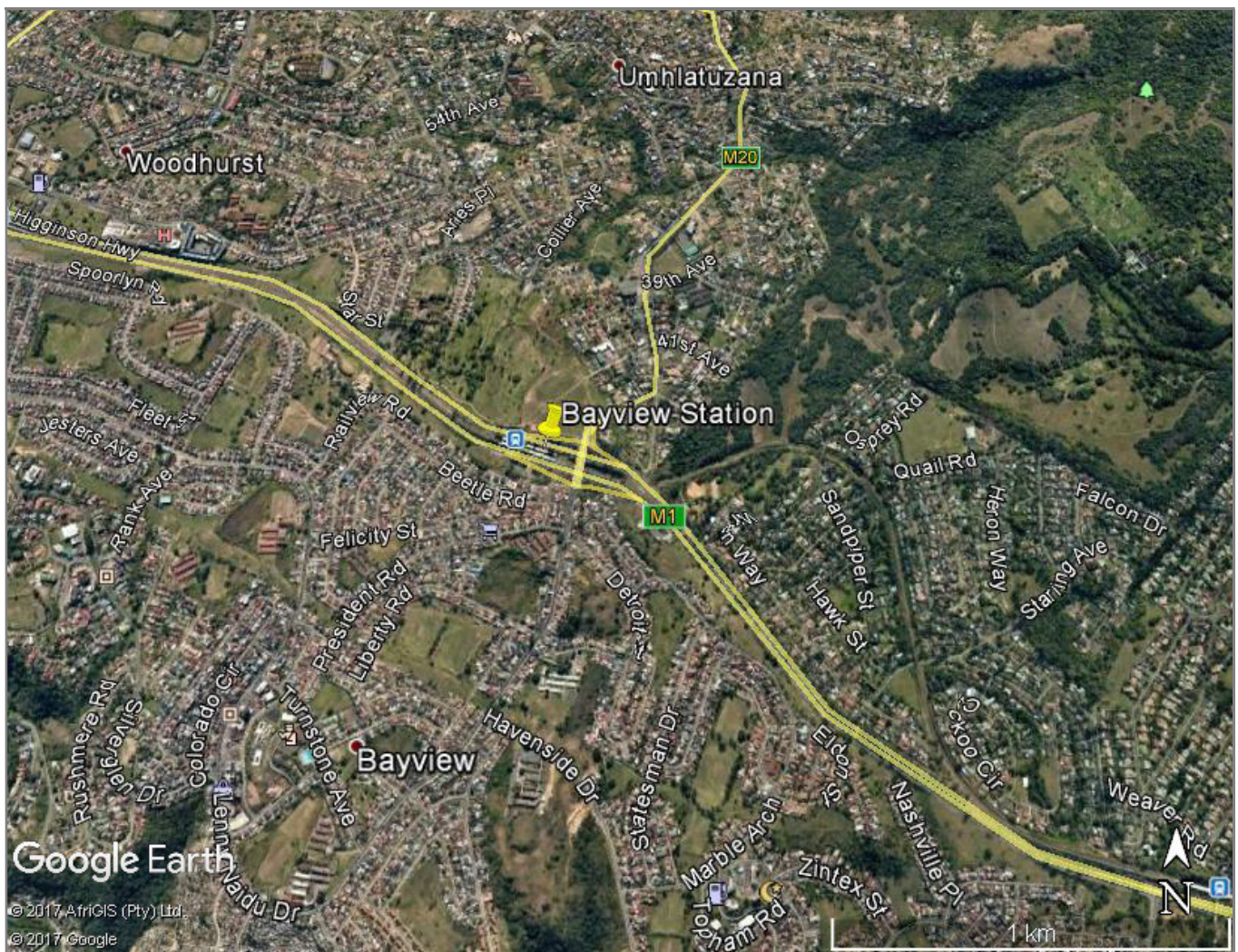


Figure 1.1: Site Locality

2. Purpose

In terms of the South African Constitution (Act No. 108 of 1996) people have the right to an environment that is not harmful to their health or well being and to have the environment protected for the benefit of present and future generations. This goal is to be pursued through reasonable legislation as well as other means that prevent pollution and ecological degradation, promote conservation and the sustainable use of natural resources while promoting justifiable economic and social development.

The purpose of the Environmental Management Programme (EMPr) is to act as an instrument to be used by CommCo Holdings (Pty) Ltd to manage and mitigate the environmental impacts associated with the construction, rehabilitation and decommissioning activities of the proposed 30m Monopole Mast at the Bayview Station.

The EMPr is to be implemented in a co-operative spirit with all parties (i.e. the project proponent, contractor, as well as interested and affected parties) involved and affected by the construction of the base station.

The Mobile Telecommunications industry is not a high environmental impact industry, if equated with industries such as mining. It is, however still necessary and important to Commco Holdings (Pty) Ltd that the impacts of the cellular telecommunications base station be mitigated.

3. Scope of Environmental Management Programme

The objective of this EMPr is to mitigate the effect of the installation of the telecommunications base station on the surrounding environment by aiming to reduce nuisance factors and the danger of adverse impacts on the environment during construction and to provide a plan for effectively managing the base station thereafter and to:

- Ensure that all pertinent environmental issues and the concerns of KZN EDTEA are addressed;
- Determine environmental conditions and sensitivities of the site and areas outside that may be impacted on by the project;
- Ensure acceptability of design and construction practices with respect to identified impacts and prescribed mitigation measures;
- Provide strategies for obtaining and/or complying with all environmental approvals, permits and agreements, and to provide a monitoring program;
- Integrate environmental strategies with all design and construction work; and

→ Provide input and strategies for environmental quality control and risk management during all phases of the project.

This plan aims to ensure that:

- Environmental management considerations are understood and implemented from the outset;
- Precautions against damage are taken; and the
- Impacts of the development on the environment are minimised.

4. Environmental Control Measures

This EMP outlines measures to be implemented to minimise any potential environmental degradation associated with the construction of the development. It will serve as a guide for the Contractor and the construction workforce about their roles and responsibilities for environmental management on the construction site and provide a framework for environmental monitoring throughout the construction period.

Measures to control potential environmental impacts during the construction phase are specified. Except where otherwise stated, all these control measures apply throughout the construction period and, as part of the project contract, the Contractor shall adhere to these measures at all times.

5. Contractual Considerations & Responsibilities

The Contractor should be handed a copy of all relevant documentation regarding the project and should before any work is conducted ensure that the Construction Supervisor is familiar with the environmental issues on site.

A commitment from the Contractor is required on the following issues:

- Consideration for the inhabitants in the area;
- Professional behaviour on and off site;
- Ensuring the quality of work done, whether technical or environmental is of a high standard;
- Immediately resolving problems and claims arising from damage to ensure a smooth flow of operations;
- Using this Environmental Management Programme for the benefit of all involved;
- Preserving the natural environment by limiting destructive actions on site; &
- Not littering.

The Contractor is responsible for, but not limited to, the following:

- Overall construction management of all tasks applicable to the civil site build (Mast foundation, mast erection, container slabs, fencing, electrical, site works, etc.);
- All work involved in preparing the site and making it suitable for the mast erection;
- All work involved in preparing the site and making it suitable for equipment installation;
- Mast foundation construction as per mast engineer's design applicable to the site-specific soil conditions. Soil tests to be done by the contractor to verify design parameters;
- Supply of fence;
- Installation of a fence and gate;
- The installation of required antenna poles/clamps (MW and GSM);
- The installation of the required cable support system (cable trays);
- Installation of a key deposit box, if necessary;
- Installation of a new lightning protection and earthing system;
- Electrical work;
- The painting of the tower, fence and equipment;
- Obstruction lighting system for the tower;
- Producing site-specific as build documentation as specified; &
- Installing all warning labels and signs.

6. Pre-Construction and Construction Phase

For the purpose of this EMPr the construction phase is examined in terms of the following categories.

1. Setting out and site orientation;
2. Site clearance;
3. Laying of the concrete casts;
4. Preparing the foundation for the fence and construction thereof;
5. Placing the Mast and Container; and
6. Connecting all relevant components e.g. electrical, antennas.

6.1 Setting out & site orientation

Site setting out lines and construction datum and levels, are to be determined by the Contractor in accordance with the CommCo Holdings (Pty) Ltd representative as well as the general guidelines of these specifications and the drawings, and shall also satisfy the specific Contract Specification requirements.

Setting out markers for ground level fenced sites where provided by the Employer on the site of the works indicate the setting out line (fence line) parallel to and nearest to the equipment shelter and tower foundation.

6.2 Site Clearance

Site clearing starts with the scraping of a 12m by 6m area. This phase also includes the excavation for the manholes and the base for the mast.

6.2.1 Environmental Impact

- Infestation by alien species
- Loss of topsoil
- Dust
- Noise

6.2.2 Mitigatory Measures

- No construction related activities, such as the site camp, storage of materials, temporary roads or ablution facilities may be located outside the site. It is suggested that these facilities be retained within the Bayview Station;
- Fence the site and confine all construction activities to the site. The fence structure should be permeable to allow free dispersal of smaller fauna taxa;
- Vehicle movement must be confined to an access road to and from the site;
- No clearing of vegetation may take place outside the site;
- Suitable indigenous vegetation (flora) must be selected and used for rehabilitation;
- Monitor the site for the establishment of invasive plant species;
- Compile an Alien and Invasive Species Management Plan for the site;
- All site clearing and excavations are to be done as far as possible during standard working hours in order to limit the noise nuisance to the surrounding communities;
- During excavation dust generation is to be kept to a minimum by the appropriate wetting of the surface. This includes the access road and surrounding disturbed areas. A tanker of water may need to be brought on site if there is no water point available nearby;
- The topsoil is to be kept separate in a demarcated area within the immediate vicinity for rehabilitation;
- All construction waste is to be stored in a designated area. It is recommended that a skip be used on site to store all waste. Waste rock generated during construction is to be sent to a permitted landfill site;
- Appropriate fire-breaks must be planned and used on site;

6.3 Laying of the concrete casts

The casts for the container, mast and manholes are filled with concrete and reinforced with steel rods. All concrete mixing is done offsite and brought to the site via a concrete mixing truck. However, for snag repairs, concrete may be mixed on site.

6.3.1 Environmental Impact

- Concrete runoff
- Pollution of water

6.3.2 Mitigatory Measures

- For minimum impact on the environment with regards to laying of concrete, ready mix concrete will be delivered by truck during standard working hours. In the event that concrete is mixed on site it will be done in a controlled manner. Any area disturbed is to be rehabilitated. It is the responsibility of the Project Manager to ensure that the concrete mixing area is rehabilitated.
- When casting concrete foundations, care must be taken to avoid spilling concrete on the site. Any material spilled must be collected and disposed of with the other waste material from the site.
- All construction waste is to be stored in a designated area. It is recommended that a skip be used on site to store all waste.

6.4 Preparing the foundation for the fence and it's construction

The foundation is dug around the 12m x 6m excavation. Once the container and mast have been laid, the fence is placed around the site.

6.4.1 Environmental Impact

- Displacement of material
- Noise

6.4.2 Mitigatory Measures

- The Contractor shall ensure that all work that could create noise is done during standard working hours (8:00am to 17:00pm).
- The rock and rubble removed during this phase of construction is to be taken off site and disposed of at a registered landfill site. A permit shall be obtained from the landfill site confirming this disposal.
- All concrete mixed on site will be done in a designated area. Concrete bags are to be stored in a dry area. Runoff from the designated area is to be monitored for any concrete effluent. Any area disturbed is to be rehabilitated.

6.5 Placing the mast and container

The container and mast are brought to the site via heavy duty vehicles. The mast sections are assembled on site and painted. The placing of the mast and container is done with a mechanical lifting machine. The mast and container are bolted to their respective foundations.

6.5.1 Environmental Impact

- Heavy duty vehicles on site
- Painting

6.5.2 Mitigatory Measures

- Vehicles are not permitted to enter any area designated as sensitive
- All painting activities are to be done within a designated area. The Contractor is to ensure that all damage to the grass and surrounding vegetation is rehabilitated.
- Placing of the container to be done with a mechanical lifting machine during standard working hours to minimize any possible disturbance to the surrounding community. There must be adequate access to the site for turning of machines etc to prevent any damage to any natural surrounding vegetation. Machinery must be in good working order so as to prevent oil leaks. Any contaminated areas are to be rehabilitated;
- Vehicle movement must be confined to an access road to and from the site.

6.6 Connecting all relevant components

The antennas and electrical wires are connected to the radio equipment and the site is now ready to be commissioned. This is the end of the construction phase. A temporary power supply may be used on site to allow the base station to become operational if the installation of a permanent electricity supply is delayed and the operation of the base station is urgently required.

6.6.1 Environmental Impact

- Waste material
- Generator noise
- Oil spills

6.6.2 Mitigatory Measures

- The waste generated shall be disposed of at a registered landfill site and a permit obtained confirming this.
- The Contractor must ensure that all diesel emissions and noise levels of generators used on site are kept within national standards.
- In the event that a temporary power supply is used on site, the generator used must be in good working condition. If any diesel spillage takes place it is the Contractor's responsibility to ensure that the area is cleaned up immediately in an environmentally acceptable manner.

General Conditions regarding the construction phase

- The established road on the property must be used to access the site.
- Construction activities should be planned to **prevent erosion** and improve the landscape.
- In respect of the **construction camp**, the Contractor shall define the area of the construction camp and place it so as to have a minimal impact on the environment. The construction camp must be located in such a manner as to limit the movement of site personnel.
- Trampling and disturbance associated with construction should be limited to within the footprint of the construction site.
- Construction personnel must stay within the demarcated construction site boundaries at all times.
- The Contractor and his sub-contractors and/ or suppliers with all workmen shall observe all **security arrangements** normally in force at each site, together with any other arrangements which may be specified necessary for the duration of the Contract.
- Ladders, keys or other equipment which could be used to gain **unauthorised access** to the site or installations on the site shall be removed, or secured in such a way that they cannot be used by unauthorised personnel, whenever a site is left unattended.
- There will be ablution facilities provided on the construction site for use by the construction personnel.
- No littering is allowed on site.
- Washing of containers and equipment must only take place within appropriate designated areas of the construction site.
- A collection tray must be placed under machinery or equipment that has the potential to dispense hazardous substances. Hazardous substances must not be permitted to soak into the soil.
- All waste is to be disposed of correctly in the designated waste containers provided at the construction site.
- No waste will be illegally dumped on site.
- No waste will be buried or burnt on site.
- No waste will be stored outside of the site boundaries.
- No fires are to be made on site.

7. Operational Phase Management

The following features of the development must be managed during the Operational Phase:

7.1 Access and access road to the Cellular telecommunications base station

Access to the site and to any other properties served by any access road used by the Contractor is to be maintained at all times such that it does not give rise to dust.

7.2 Alien plants and weed encroachment

The removal of all invasive species and the emergence of invasive species must be continually monitored. Invasive species must be removed by hand or poisoned. The effectiveness of re-vegetation and erosion control must be monitored periodically after construction.

7.3 Waste and Litter

Checking the road and site for any litter and waste and removing any waste to a 10m radius around the site. Checking that there is no leakage from the batteries running outside the radio container. Before leaving the site, checking where the vehicle and/ or generator were parked for signs of oil. Checking that all parts replaced during maintenance, as well as any tools and equipment, are placed into the vehicle before departing.

7.4 Fencing; Mast and Equipment Container

CommCo Holdings (Pty) Ltd maintenance contractors visit each Cellular telecommunications base station regularly (at least every six to twelve weeks), for repairs and maintenance.

7.5 Stormwater Management

An appropriate stormwater management plan must be in place.

The stormwater must not enter the wetland area directly. The water flow must be attenuated and dispersed before entering any watercourses.

Immediate remedial action should be taken when erosion is encountered.

8. Decommissioning Management

On termination of use of a Cellular telecommunications base station, all equipment is to be dismantled and removed and the site restored to its original state.

In the case of a full decommissioning, the decommissioning and rehabilitation processes can be summarised briefly as follows:

1. The removal of the Cellular telecommunications base station equipment and associated infrastructure, i.e. the mast, equipment container, the fence and foundations; the power box and associated power cables, the concrete foundations and manholes.
2. The re-contouring of the site to its original state. If that is not possible the site must be contoured to blend in with the immediate surroundings.
3. The re-contoured area is to be re-vegetated with indigenous vegetation.
4. If the access road is not going to be utilized after the Cellular telecommunications base station has been removed, the road must be rehabilitated to its original state. Should the access road continue to be used the Regional Property Manager will be responsible for assigning the responsibility of regular maintenance for the access road to the person/ people who will still be using the road.

9. Conclusion

The function of this EMPr is to provide the Contractor with effective measures for minimizing the negative environmental impacts of the Cellular telecommunications base station during its lifetime, i.e. at the pre-construction stage, during construction, throughout the operational phase and at the time of decommissioning. Throughout the process, this guide will be referred to.

10. Amendments to the EMPr

This EMPr will be submitted to the Environmental Authority for approval prior to implementation. Any issues that may arise during the construction or operational phase which are not covered in this EMPr shall be addressed as addendums to the EMPr and submitted for approval prior to implementation.

Appendix F

Other

NOT APPLICABLE

Appendix G

Curriculum Vitae

Curriculum Vitae

Of

Elaine Minnaar

Family name: Holtzhausen

First names: Elaine

Profession: Environmental Consultant

Date of Birth 26 April 1969

Nationality: South African

Civil status: Married

Key Qualifications:

Institution (Date from-Date to)	Degree(s) or Diploma(s) obtained
University of Pretoria January 1989 – November 1992	4 years B(TRP)
University of Potchefstroom 1 week - 1998	Diploma in Environmental Management
University of Potchefstroom 1 week - 2001	Diploma in Waste Management
University of Potchefstroom 1 week - 2002	Diploma in Environmental Law
University of Potchefstroom 1 week - 2003	Diploma in Environmental Management Systems
University of Potchefstroom 1 week - 2004	Diploma in Environmental Auditing

Language skills:

Afrikaans: Native

English: Speak, write and read (excellent)

Membership of professional bodies: International Association of Impact Assessment

Other skills:

Strategic Environmental Assessment, Urban Development Control, Formulation of LDO's and IDP's, Project Management, Environmental Management, Community Facilitation, Environmental law, Environmental Management Policies and Plans, Environmental Monitoring and Auditing, Integrated Environmental Management, Environmental Impact Assessments, Sensitivity Analysis, Planning and Mapping, Impact Evaluation and Significance Rating, Social Impact Studies, Environmental Mitigation and Control.

Present position: Senior Environmentalist and Managing Member of Lokisa

Years within the firm: 13

Specific experience in the region:

Country	Date from – Date to
South Africa: Strategic Environmental Assessment Formulation of LDO's and IDP's Project Management Environmental Management Community Facilitation Environmental law Environmental Management Policies and Plans Environmental Monitoring and Auditing Integrated Environmental Management Environmental Impact Assessments Sensitivity Analysis, Planning and Mapping Impact Evaluation and Significance Rating Structure Planning Social Impact Studies Environmental Mitigation and Control	1998 – to date
St Maartin (Netherlands Antilles): Environmental Impact Assessment, Rehabilitation and Environmental Management - Little Key Island	2004 - 2005
Tatu Estate (Kenya) Sensitivity analysis SEA	2009 -

Professional experience:

Date from – Date to	Company	Position	Description
2001- current	Lokisa Environmental Consulting/TGM Environmental Services	Managing Director	<ul style="list-style-type: none"> • EIA/ Scoping applications • Basic Assessments • Water use licence applications • Facilitation of Projects; • Environmental Impact Assessments on: • Low Cost Housing Projects; • Environmental Management Plans
1998- 2001	Globecon Environmental Management Services	Director	<ul style="list-style-type: none"> • Facilitation of Projects; • Environmental Impact

			Assessments on: Low Cost Housing Projects; Telecommunication structures <ul style="list-style-type: none"> • Environmental Management Plan for the third cellular licence operator.
1995 -1997	Property Planning Practice	Town Planner	Town Planning applications in terms of Ordinance
1993 - 1995	Paradise Marine, St Maarten	Crew aboard yacht	First mate duties
1990-1992	First National Bank	Data capturer	Data Capturer

Publications: The Porcus, April 2006

Curriculum Vitae
Of
Mmatau Faith Makena

Family name: Makena

First names: Mmatau Faith

Profession: Environmental Consultant

Date of Birth 14 May 1992

Nationality: South African

Civil status: Single

Key Qualifications:

Institution (Date from-Date to)	Degree(s) or Diploma(s) obtained
Tshwane University of Technology 2010 - 2012	National Diploma Environmental Sciences

Language skills:

Sepedi: Native

English Speak, write and read (excellent)

IsiNdebele Speak (excellent)

Membership of professional bodies: None

Present position: Environmental Consultant

Years within the firm: 2014 - current

Specific experience in the region:

Country	Date from – Date to
South Africa: Environmental Management Environmental Impact Assessments Environmental Management Policies and Plans Environmental Monitoring and Auditing Environmental Mitigation and Control Community Facilitation	2012-current

Professional experience:

Date from – Date to	Location	Company	Position	Description
2012 - 2012	Pretoria	Lokisa Environmental Consulting CC	Student Environmental Consultant	<ul style="list-style-type: none">• Administrative duties.• Public Participation.• Environmental Monitoring and Auditing.• Amendments of Environmental Authorisations.
2014- current	Pretoria	Lokisa Environmental Consulting CC/ TGM Environmental Services	Environmental Consultant	<ul style="list-style-type: none">• Environmental Impact Assessments on: Low Cost Housing Projects;• Environmental Management Plans/Programmes• Environmental Monitoring and Auditing• Environmental Mitigation and Control• Community Facilitation.