

Our Reference:
21165 Vintage Str

On SAURAS
to be scanned
to Cox
ID 1000

Your Reference:
Gaut: 002/11-12/E0249



30 April 2012

South African Heritage Resources Agency
P O Box 4637
Cape Town
8000

Reg. No. 2001/080535/23

PO Box 32017, Totiusdal, 0134

414 Rustic Road
Silvertondale, 0184
Pretoria

Attention: Mr. P. Hine

Tel: (012) 804 1504/ 6

Fax: (012) 804 7072

e-mail: admin@torbiousolutions.co.za

Via Registered Mail

Dear Sir,

DRAFT BASIC ASSESSMENT REPORT FOR AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 ("NEMA") AS AMENDED TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION MAST ON THE REMAINING EXTENT OF PORTION 192 OF THE FARM WILGESPRUIT 190 IQ. TO BE KNOWN AS: ERF 1559 WILGEHEUWEL EXTENSION 36 T.

Kindly receive the draft Basic Assessment Report for the above mentioned application.

We request you to evaluate the attached report on the proposed project and provide us and the Mpumalanga Department of Economic Development, Environment and Tourism with your written comments and / or inputs, if any, by faxing or e-mailing such within 40 days from the date of this letter. It will be assumed that you do not have any comments on the Basic Assessment Report of the proposed project on the expiry of the 40 day response period.

Should you have any further queries please do not hesitate to contact us.

Kind Regards,


Monica Niehof

For: Torbious Solutions cc



Comments:

Members: KW Anholts; GA Anholts

OR PWA SOIS
REC. J. L. A. N. D.
L/REGLIATI TO >01. R. U. > AN. A. C. I.



Gauteng Department of Agriculture and Rural Development (GDARD)

Basic Assessment Report in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended, and the Environmental Impact Assessment Regulations, 2010 (Version 1)

List of all organs of state and State Departments where the draft report has been submitted, their full contact details and contact person

Kindly note that:

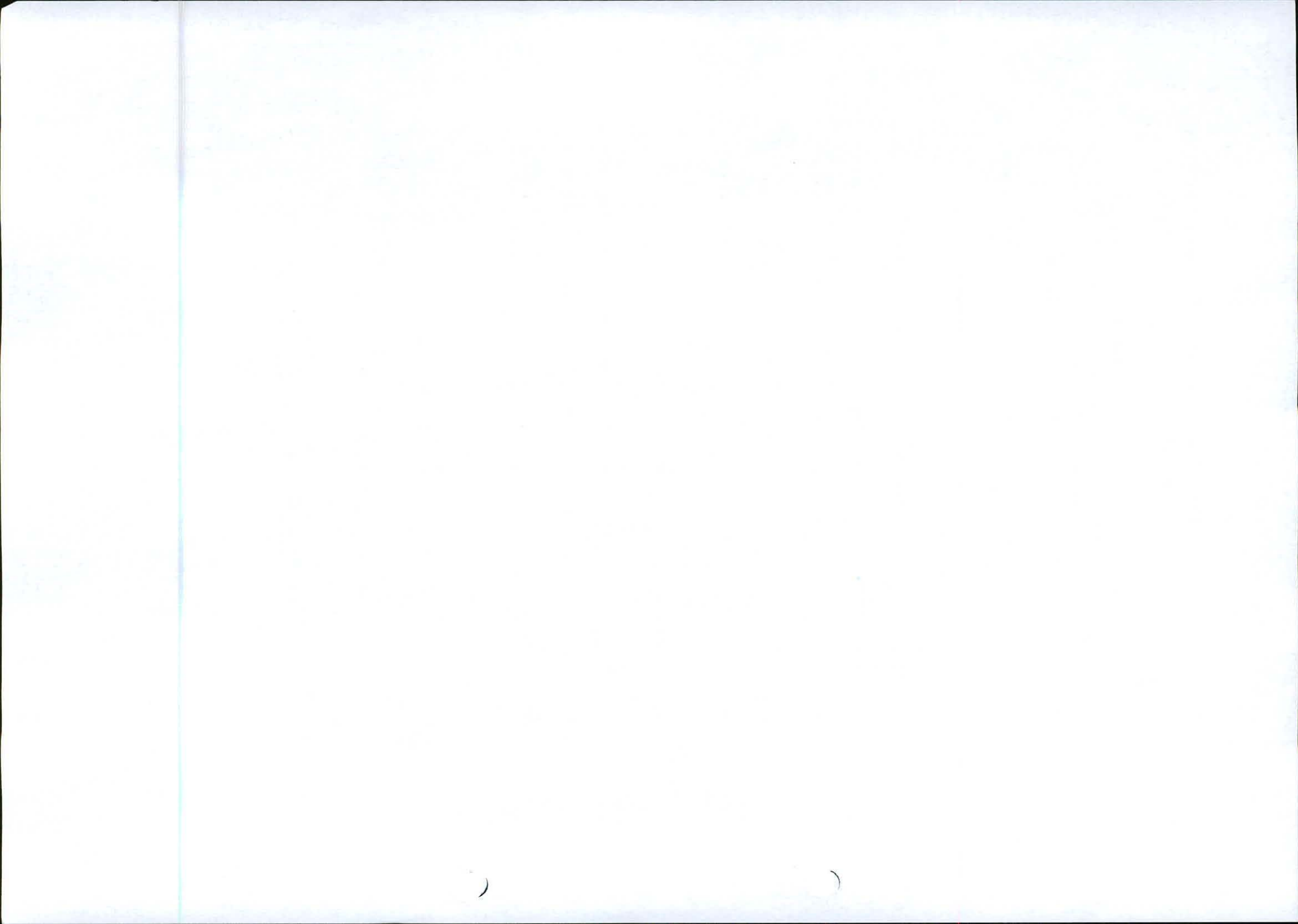
1. This **Basic Assessment Report** is the standard report required by GDARD in terms of the EIA Regulations, 2010.
 2. This application form is current as of 2 August 2010. It is the responsibility of the EAP to ascertain whether subsequent versions of the form have been published or produced by the competent authority.
 3. **A draft Basic Assessment Report must be submitted to all State Departments administering a law relating to a matter likely to be affected by the activity to be undertaken. The draft reports must be submitted to the relevant State Departments and on the same day, two CD's of draft reports must also be submitted to the Competent Authority (GDARD) with a signed proof of such submission of draft report to the relevant State Departments.**
 4. The report must be typed within the spaces provided in the form. The size of the spaces provided is not necessarily indicative of the amount of information to be provided. The report is in the form of a table that can extend itself as each space is filled with typing.
 5. Selected boxes must be indicated by a cross and, when the form is completed electronically, must also be highlighted.
 6. An incomplete report shall be rejected.
 7. The use of "not applicable" in the report must be done with circumspection because if it is used in respect of material information that is required by the competent authority for assessing the application, it may result in the rejection of the application as provided for in the regulations.
 8. Five (5) copies (3 hard copies and 2 CDs-PDF) of the final report and attachments must be handed in at offices of the relevant competent authority, as detailed below.
 9. No faxed or e-mailed reports will be accepted. Only hand delivered or posted applications will be accepted.
 10. Unless protected by law, and clearly indicated as such, all information filled in on this application will become public information on receipt by the competent authority. The applicant/EAP must provide any interested and affected party with the information contained in this application on request, during any stage of the application process.
-

DEPARTMENTAL DETAILS

Gauteng Department of Agriculture and Rural Development
Attention: Administrative Unit of the Sustainable Utilisation of the Environment (SUE) Branch
P.O. Box 8769
Johannesburg
2000

Administrative Unit of the Sustainable Utilisation of the Environment (SUE) Branch
18th floor Glen Cairn Building
73 Market Street, Johannesburg

Admin Unit telephone number: (011) 355 1345
Department central telephone number: (011) 355 1900



(For official use only)

File Reference Number:						
Application Number:						
Date Received:						

Submission to State Department (Number 3 above)

Has a draft report for this application been submitted to all State Department administering a law relating to a matter likely to be affected as a result of this activity?

YES

Is a list of State Departments referred to above been attached to this report?

YES

if no, state reasons for not attaching the list.

-

SECTION A: ACTIVITY INFORMATION

1. ACTIVITY DESCRIPTION

Project title (must be the same name as per application form):

The establishment of a Vodacom (Pty) Ltd telecommunication mast: 21165 Vintage Str

Select the appropriate box

The application is for an upgrade of an existing development The application is for a new development Other, specify

Does the activity also require any authorisation other than NEMA EIA authorisation?

YES **NO**

If yes, describe the legislation and the Competent Authority administering such legislation

Act: Civil Aviation Act, 2009 (Act No. 13 of 2009) – Competent Authority: South African Civil Aviation Authority
National Building Regulations and Building Standards Act, No. 103 of 1977 as amended – City of Johannesburg

If yes, have you applied for the authorisation(s)?

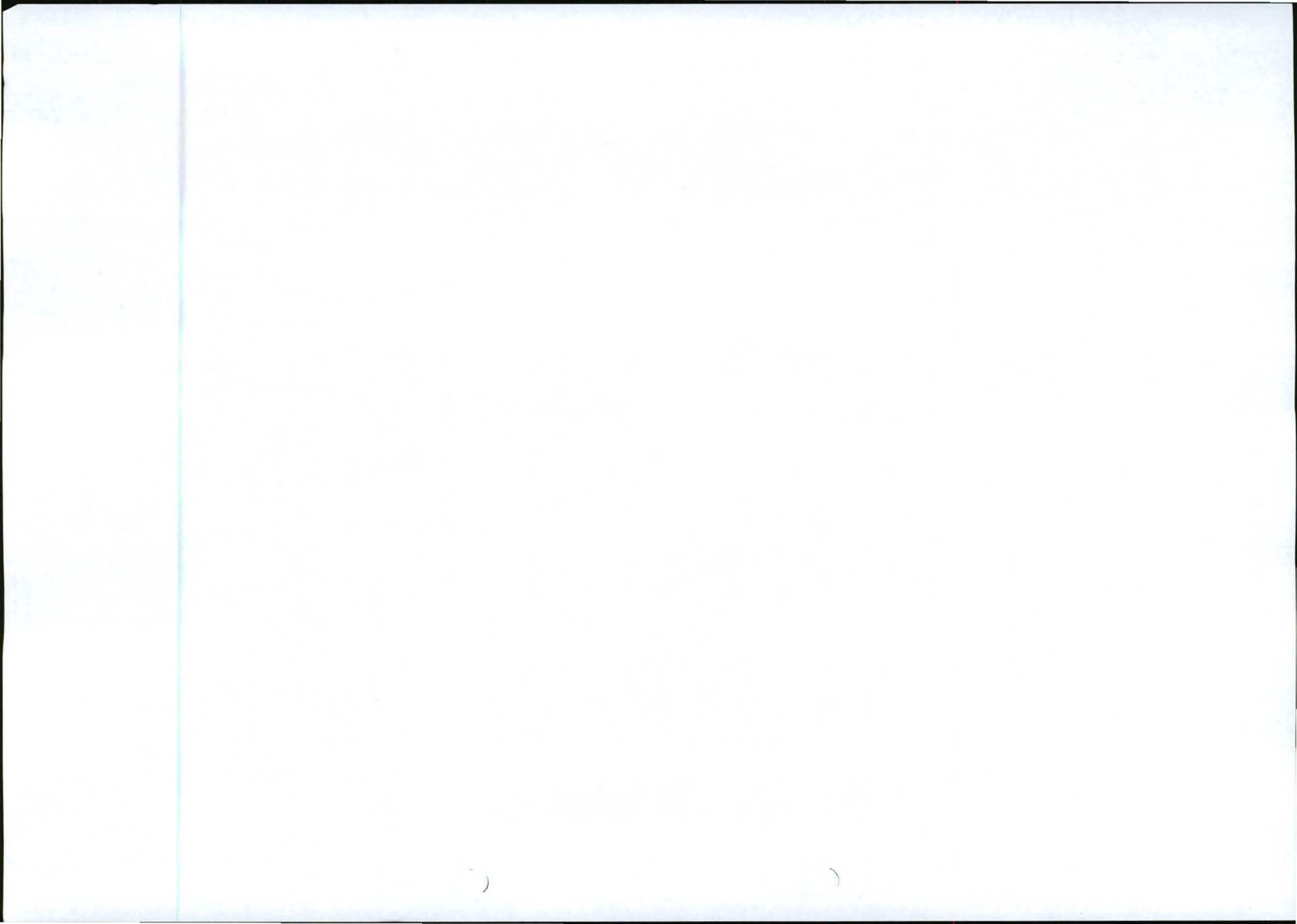
YES	NO
YES	NO

If yes, have you received approval(s)? (attach in appropriate appendix)

2. APPLICABLE LEGISLATION, POLICIES AND/OR GUIDELINES

List all legislation, policies and/or guidelines of any sphere of government that are applicable to the application as contemplated in the EIA regulations:

Title of legislation, policy or guideline:	Administering authority:	Promulgation Date:
National Environmental Management Act No. 107 of 1998 as amended.	National & Provincial	27 November 1998
Occupational Health and Safety Act (No. 85 of 1993)	Department of Labour	1993
Civil Aviation Act, 2009 (Act No. 13 of 2009)	South African Civil Aviation Authority	2009
National Building Regulations and Building Standards Act, No. 103 of 1977 as amended	City of Johannesburg	1977
National Heritage Resources Act (No. 25 of 1999)	Department of Arts and Culture	1999
National Veld and Forest Fire Act (No. 101 of 1998)	Department of Water and Environmental Affairs	1998



3. ALTERNATIVES

Describe the proposal and alternatives that are considered in this application. Alternatives should include a consideration of all possible means by which the purpose and need of the proposed activity could be accomplished. The determination of whether the site or activity (including different processes etc.) or both is appropriate needs to be informed by the specific circumstances of the activity and its environment.

The no-go option must in all cases be included in the assessment phase as the baseline against which the impacts of the other alternatives are assessed. Do not include the no go option into the alternative table below.

Note: After receipt of this report the competent authority may also request the applicant to assess additional alternatives that could possibly accomplish the purpose and need of the proposed activity if it is clear that realistic alternatives have not been considered to a reasonable extent.

Provide a description of the alternatives considered

No.	Alternative type, either alternative: site on property, properties, activity, design, technology, operational or other(provide details of "other")	Description
1	Proposal	Regulation 546 activity 3: Construction of a 30m high tree type mast with antennae and a 64m ² Vodacom (Pty) Ltd telecommunication base station with equipment containers enclosed by a 2,4 m high steel palisade fence on the remaining extent of Portion 192 of the Farm Wilgespruit 190 IQ. To be known as: Erf 1559 Wilgeheuwel Extension 36.
2	Alternative 1	Regulation 546 activity 3: Construction of a 30m high monopole mast painted green with antennae and a 64m ² Vodacom (Pty) Ltd telecommunication base station with equipment containers enclosed by a 2,4 m high steel palisade fence on the remaining extent of Portion 192 of the Farm Wilgespruit 190 IQ. To be known as: Erf 1559 Wilgeheuwel Extension 36.
3	Alternative 2	Regulation 546 activity 3: Construction of a 30m high unpainted (galvanized) monopole mast with antennae and a 64m ² Vodacom (Pty) Ltd telecommunication base station with equipment containers enclosed by a 2,4 m high steel palisade fence on the remaining extent of Portion 192 of the Farm Wilgespruit 190 IQ. To be known as: Erf 1559 Wilgeheuwel Extension 36.

In the event that no alternative(s) has/have been provided, a motivation must be included in the table below.

-

NOTE: The numbering in the above table must be consistently applied throughout the application report and process

4. PHYSICAL SIZE OF THE ACTIVITY

Indicate the total physical size (footprint) of the proposal as well as alternatives. Footprints are to include all new infrastructure (roads, services etc), impermeable surfaces and landscaped areas:

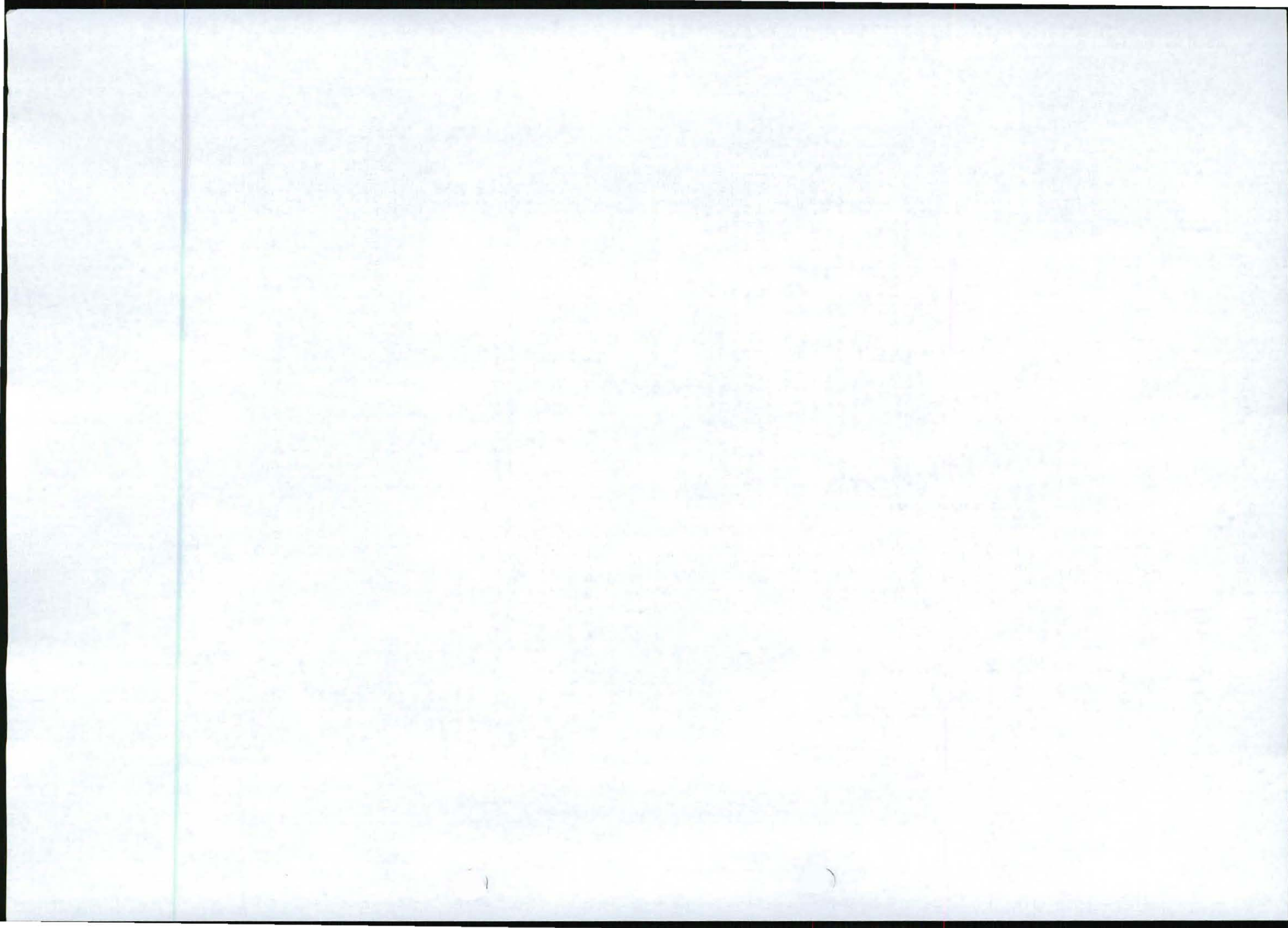
Proposed activity	Size of the activity:
Alternatives:	<input type="text" value="64m<sup>2</sup>"/>
Alternative 1 (if any)	<input type="text" value="64m<sup>2</sup>"/>
Alternative 2 (if any)	<input type="text" value="64m<sup>2</sup>"/>
	Ha/ m ²

or, for linear activities:

Proposed activity	Length of the activity:
Alternatives:	<input type="text" value="-"/>
Alternative 1 (if any)	<input type="text" value="-"/>
Alternative 2 (if any)	<input type="text" value="-"/>
	k/km

Indicate the size of the site(s) or servitudes (within which the above footprints will occur):

Proposed activity	Size of the site/servitude:
Alternatives:	<input type="text" value="Unknown"/>
Alternative 1 (if any)	<input type="text" value="Unknown"/>
Alternative 2 (if any)	<input type="text" value="Unknown"/>
	Ha/m ²



5. SITE ACCESS

Proposal

Does ready access to the site exist, or is access directly from an existing road?

YES	NO
-----	----

If NO, what is the distance over which a new access road will be built

-	
---	--

Describe the type of access road planned:

-	
---	--

Include the position of the access road on the site plan.

Alternative 1

Does ready access to the site exist, or is access directly from an existing road?

YES	NO
-----	----

If NO, what is the distance over which a new access road will be built

-	
---	--

Describe the type of access road planned:

-	
---	--

Include the position of the access road on the site plan.

Alternative 2

Does ready access to the site exist, or is access directly from an existing road?

YES	NO
-----	----

If NO, what is the distance over which a new access road will be built

-	
---	--

Describe the type of access road planned:

-	
---	--

Include the position of the access road on the site plan.

PLEASE NOTE: Points 6 to 8 of Section A must be duplicated where relevant for alternatives

Section A 6-8 has been duplicated

3

Number of times

(only complete when applicable)

6. SITE OR ROUTE PLAN

A detailed site or route (for linear activities) plan(s) must be prepared for each alternative site or alternative activity. It must be attached as Appendix A to this document. The site or route plans must indicate the following:

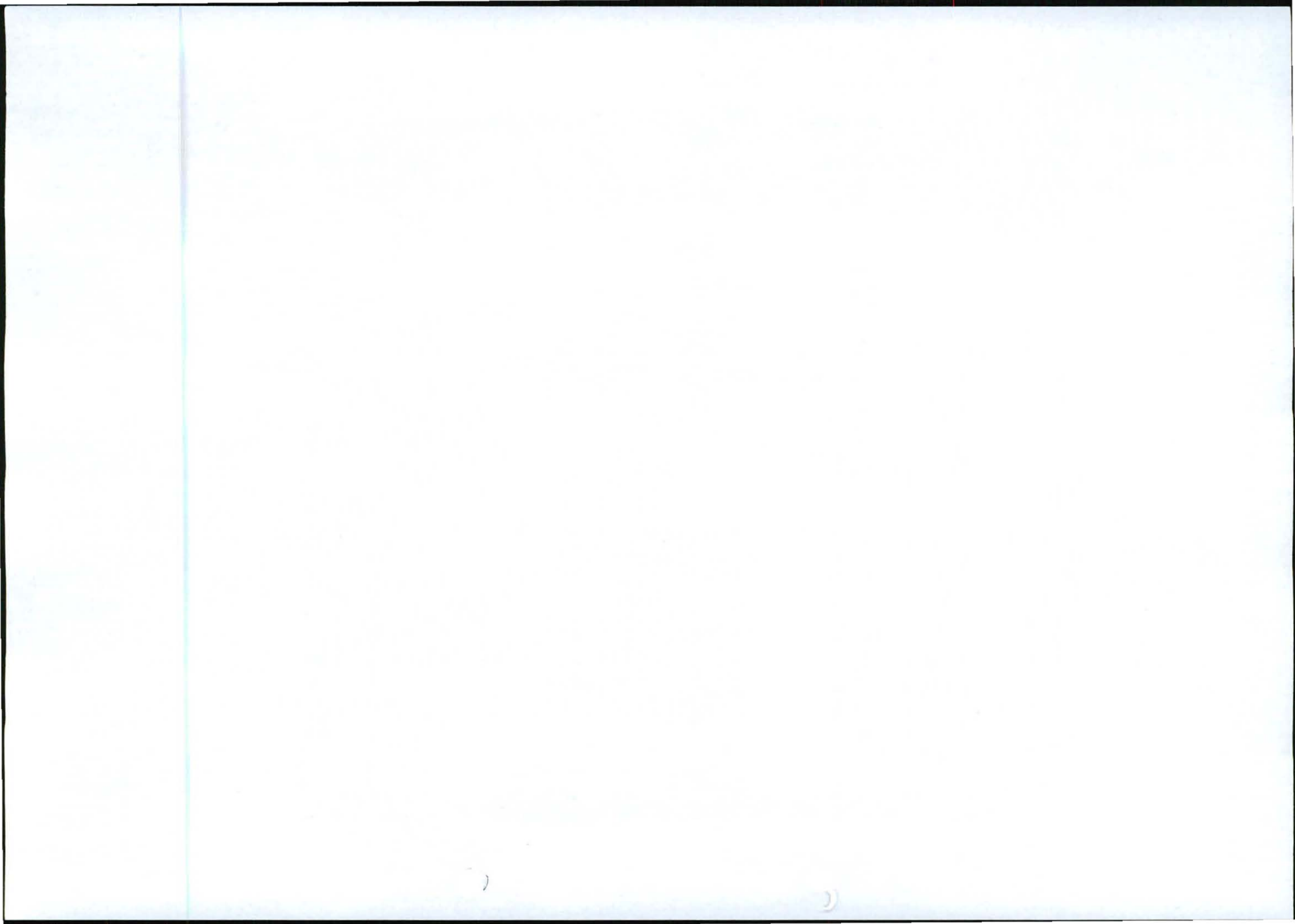
- the scale of the plan, which must be at least a scale of 1:2000 (scale can not be larger than 1:2000 i.e. scale can not be 1:2500 but could where applicable be 1:1500)
- the property boundaries and numbers of all the properties within 50m of the site;
- the current land use as well as the land use zoning of each of the properties adjoining the site or sites;
- the exact position of each element of the application as well as any other structures on the site;
- the position of services, including electricity supply cables (indicate above or underground), water supply pipelines, boreholes, street lights, sewage pipelines, septic tanks, storm water infrastructure and telecommunication infrastructure;
- walls and fencing including details of the height and construction material;
- servitudes indicating the purpose of the servitude;
- sensitive environmental elements on and within 100m of the site or sites including (but not limited thereto):
 - Rivers and wetlands;
 - the 1:100 and 1:50 year flood line;
 - ridges;
 - cultural and historical features;
 - areas with indigenous vegetation (even if it is degraded or infested with alien species);
- for gentle slopes the 1m contour intervals must be indicated on the plan and whenever the slope of the site exceeds 1:10, the 500mm contours must be indicated on the plan; and
- the positions from where photographs of the site were taken.
- Where a watercourse is located on the site at least one cross section of the water course must be included (to allow the 32m position from the bank to be clearly indicated)

7. SITE PHOTOGRAPHS

Colour photographs from the center of the site must be taken in at least the eight major compass directions with a description of each photograph. Photographs must be attached under the appropriate Appendix. It should be supplemented with additional photographs of relevant features on the site, where applicable.

8. FACILITY ILLUSTRATION

A detailed illustration of the activity must be provided at a scale of 1:200 for activities that include structures. The illustrations must be to scale and must represent a realistic image of the planned activity. The illustration must give a representative view of the activity. To be attached in the appropriate Appendix.



SECTION B: DESCRIPTION OF RECEIVING ENVIRONMENT

Note: Complete Section B for the proposal and alternative(s) (if necessary)

Further:

Instructions for completion of Section B for linear activities

- 1) For linear activities (pipelines etc) it may be necessary to complete Section B for each section of the site that has a significantly different environment.
- 2) Indicate on a plan(s) the different environments identified
- 3) Complete Section B for each of the above areas identified
- 4) Attach to this form in a chronological order
- 5) Each copy of Section B must clearly indicate the corresponding sections of the route at the top of the next page.

Section B has been duplicated for sections of the route times

Instructions for completion of Section B for location/route alternatives

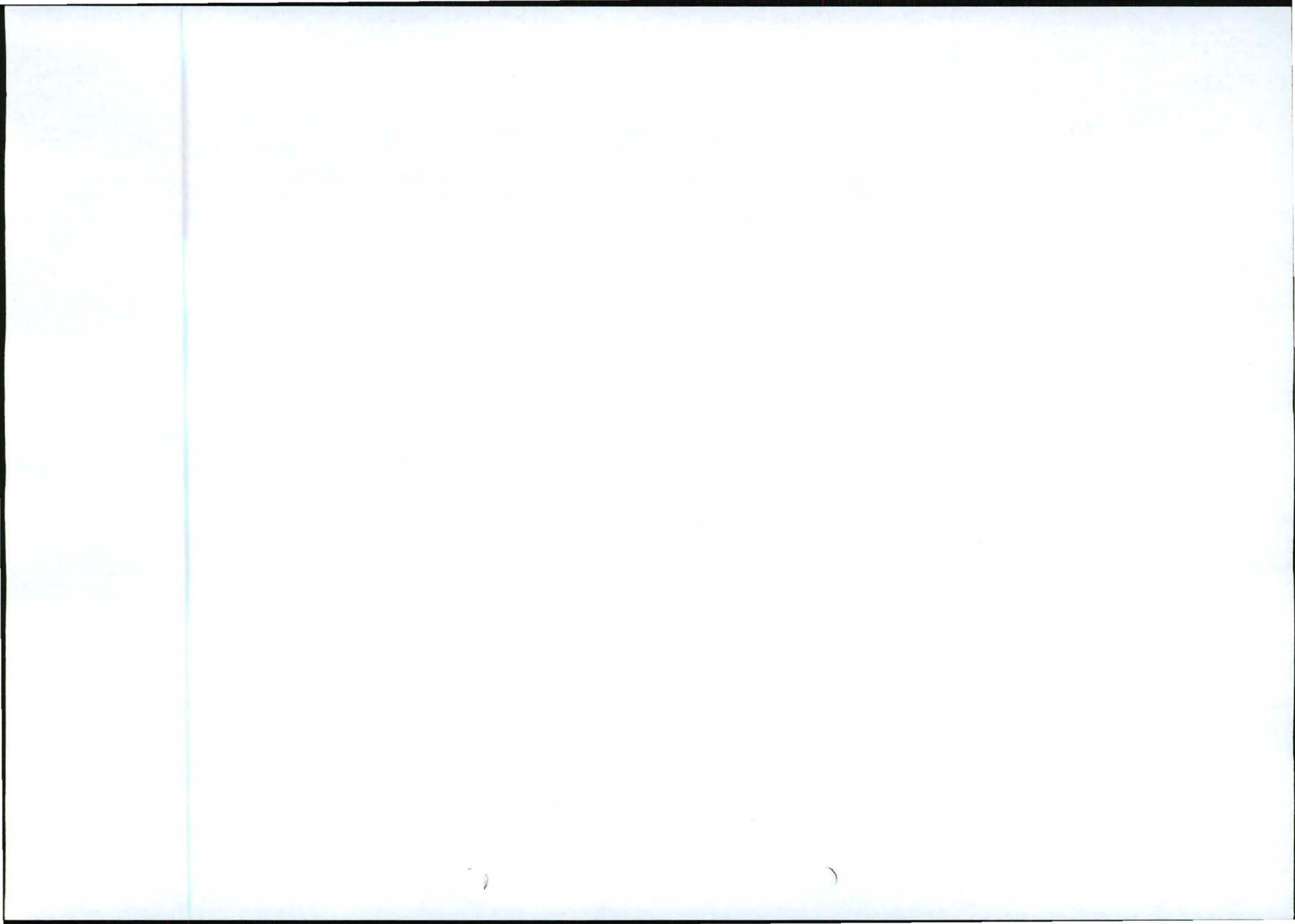
- 1) For each location/route alternative identified the entire Section B needs to be completed
- 2) Each alternative location/route needs to be clearly indicated at the top of the next page
- 3) Attach the above documents in a chronological order

Section B has been duplicated for location/route alternatives times
(complete only when appropriate)

Instructions for completion of Section B when both location/route alternatives and linear activities are applicable for the application

Section B is to be completed and attachments order in the following way

- All significantly different environments identified for Alternative 1 is to be completed and attached in a chronological order; then
- all significantly different environments identified for Alternative 2 is to be completed and attached chronological order, etc.



BASIC ASSESSMENT REPORT [REGULATION 22(1)]

Section B - Section of Route (complete only when appropriate for above)

Section B - Location/route Alternative No. (complete only when appropriate for above)

1. PROPERTY DESCRIPTION

Property description: The remaining extent of Portion 192 of the Farm Wilgespruit 190 IQ. To be known as: Erf 1559 Wilgeheuwel Extension 36
 (Farm name, portion etc.)

2. ACTIVITY POSITION

Indicate the position of the activity using the latitude and longitude of the centre point of the site for each alternative site. The co-ordinates should be in decimal degrees. The degrees should have at least six decimals to ensure adequate accuracy. The projection that must be used in all cases is the WGS84 spheroid in a national or local projection.

Alternative: **Proposal & Alternative 1 & 2**

Latitude (S): -26. 104997°	Longitude (E): 27. 898864°
--------------------------------------	--------------------------------------

In the case of linear activities:
Alternative:

Latitude (S):	Longitude (E):
Starting point of the activity	
Middle point of the activity	
End point of the activity	

For route alternatives that are longer than 500m, please provide co-ordinates taken every 250 meters along the route and attached in the appropriate Appendix

Addendum of route alternatives attached

3. GRADIENT OF THE SITE

Indicate the general gradient of the site.

Flat	1:50 – 1:20	1:20 – 1:15	1:15 – 1:10	1:10 – 1:7,5	1:7,5 – 1:5	Steeper than 1:5
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4. LOCATION IN LANDSCAPE

Indicate the landform(s) that best describes the site.

Ridgeline	Plateau	Side slope of hill/ridge	Valley	Plain	Undulating plain/low hills	River front
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5. GROUNDWATER, SOIL AND GEOLOGICAL STABILITY OF THE SITE

a) Is the site located on any of the following?

Shallow water table (less than 1.5m deep)	YES	NO
Dolomite, sinkhole or doline areas	YES	NO
Seasonally wet soils (often close to water bodies)	YES	NO
Unstable rocky slopes or steep slopes with loose soil	YES	NO
Dispersive soils (soils that dissolve in water)	YES	NO
Soils with high clay content (clay fraction more than 40%)	YES	NO
Any other unstable soil or geological feature	YES	NO
An area sensitive to erosion	YES	NO

(Information in respect of the above will often be available at the planning sections of local authorities. Where it exists, the 1:50 000 scale Regional Geotechnical Maps prepared by Geological Survey may also be used).

b) are any caves located on the site(s)

YES	NO



BASIC ASSESSMENT REPORT [REGULATION 22(1)]

If yes to above provide location details in terms of latitude and longitude and indicate location on site or route map(s)

Latitude (S): _____ **Longitude (E):** _____

c) are any caves located within a 300m radius of the site(s) YES NO

If yes to above provide location details in terms of latitude and longitude and indicate location on site or route map(s)

Latitude (S): _____ **Longitude (E):** _____

d) are any sinkholes located within a 300m radius of the site(s) YES NO

If yes to above provide location details in terms of latitude and longitude and indicate location on site or route map(s)

Latitude (S): _____ **Longitude (E):** _____

If any of the answers to the above are "YES" or "unsure", specialist input may be requested by the Department

6. AGRICULTURE

Does the site have high potential agriculture as contemplated in the Gauteng Agricultural Potential Atlas (GAPA 3)? YES NO

Please note: The Department may request specialist input/studies in respect of the above.

7. GROUNDCOVER

To be noted that the location of all identified rare or endangered species or other elements should be accurately indicated on the site plan(s).

Indicate the types of groundcover present on the site and include the estimated percentage found on site

Natural veld—good condition % =	Natural veld with scattered aliens % =	Natural veld with heavy alien infestation % =	Veld dominated by alien species % = 100	Landscaped (vegetation) % =
Sport field % =	Cultivated land % = 100	Paved surface (hard landscaping) % =	Building or other structure % =	Bare soil % =

Please note: The Department may request specialist input/studies depending on the nature of the groundcover and potential impact(s) of the proposed activity/ies.

Are there any rare or endangered flora or fauna species (including red list species) present on the site YES NO

If YES, specify and explain:

Are there any rare or endangered flora or fauna species (including red list species) present within a 200m (if within urban area as defined in the Regulations) or within 600m (if outside the urban area as defined in the Regulations) radius of the site. YES NO

If YES, specify and explain:

Are there any special or sensitive habitats or other natural features present on the site? YES NO

If YES, specify and explain:

Was a specialist consulted to assist with completing this section YES NO

If YES complete specialist details

Name of the specialist: _____

Qualification(s) of the specialist: _____

Postal address: _____

Postal code: _____

Telephone: _____ Cell: _____

E-mail: _____ Fax: _____

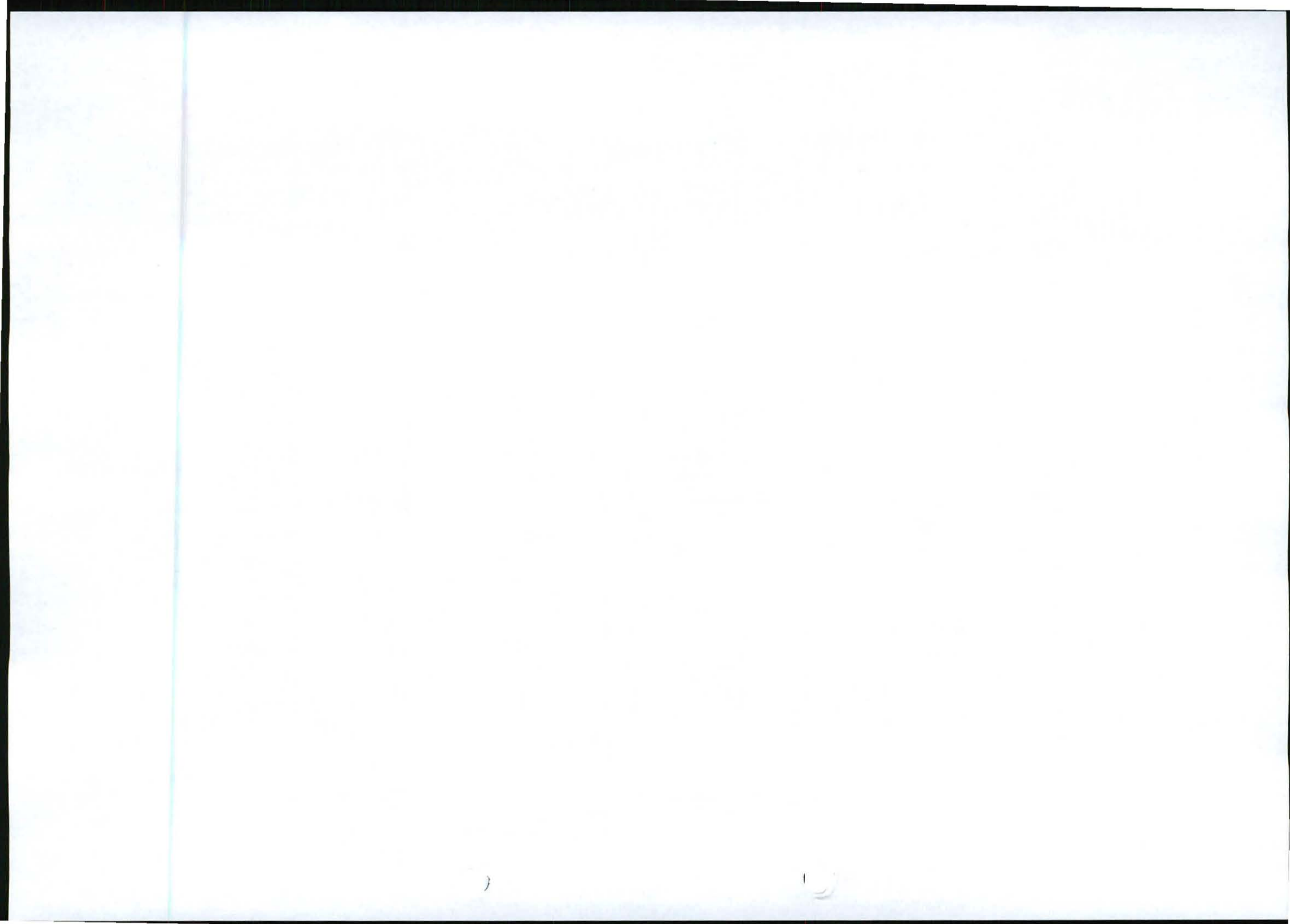
Are any further specialist studies recommended by the specialist? YES NO

If YES, specify: _____

If YES, is such a report(s) attached? YES NO

If YES list the specialist reports attached below

Signature of specialist: _____ Date: _____



BASIC ASSESSMENT REPORT [REGULATION 22(1)]

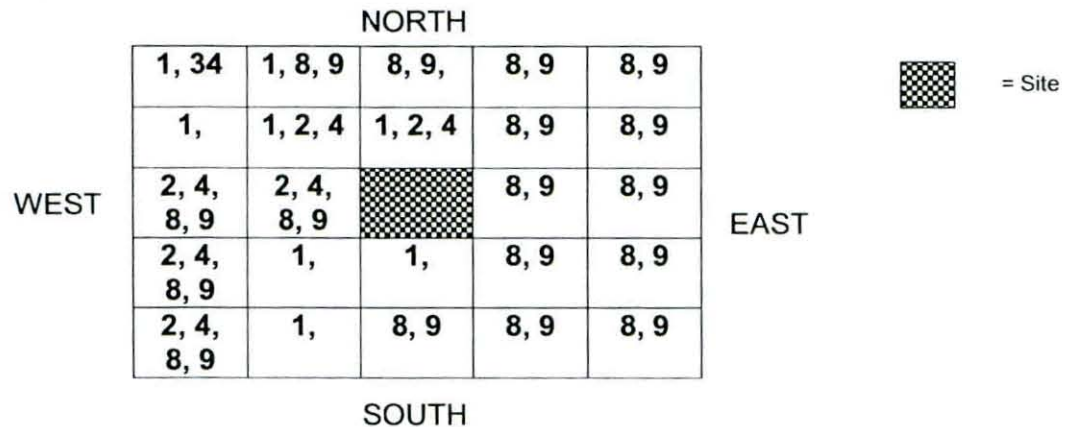
Please note; If more than one specialist was consulted to assist with the filling in of this section then this table must be appropriately duplicated

8. LAND USE CHARACTER OF SURROUNDING AREA

Using the associated number of the relevant current land use or prominent feature from the table below, fill in the position of these land-uses in the vacant blocks below which represent a 500m radius around the site

1. Vacant land	2. River, stream, wetland	3. Nature conservation area	4. Public open space	5. Koppie or ridge
6. Dam or reservoir	7. Agriculture	8. Low density residential	9. Medium to high density residential	10. Informal residential
11. Old age home	12. Retail	13. Offices	14. Commercial & warehousing	15. Light industrial
16. Heavy industrial ^{AN}	17. Hospitality facility	18. Church	19. Education facilities	20. Sport facilities
21. Golf course/polo fields	22. Airport ^N	23. Train station or shunting yard ^N	24. Railway line ^N	25. Major road (4 lanes or more) ^N
26. Sewage treatment plant ^A	27. Landfill or waste treatment site ^A	28. Historical building	29. Graveyard	30. Archeological site
31. Open cast mine	32. Underground mine	33. Spoil heap or slimes dam ^A	34. Small Holdings	
Other land-uses (describe):				

NOTE: Each block represents an area of 250m X250m



Note: More than one (1) Land-use may be indicated in a block

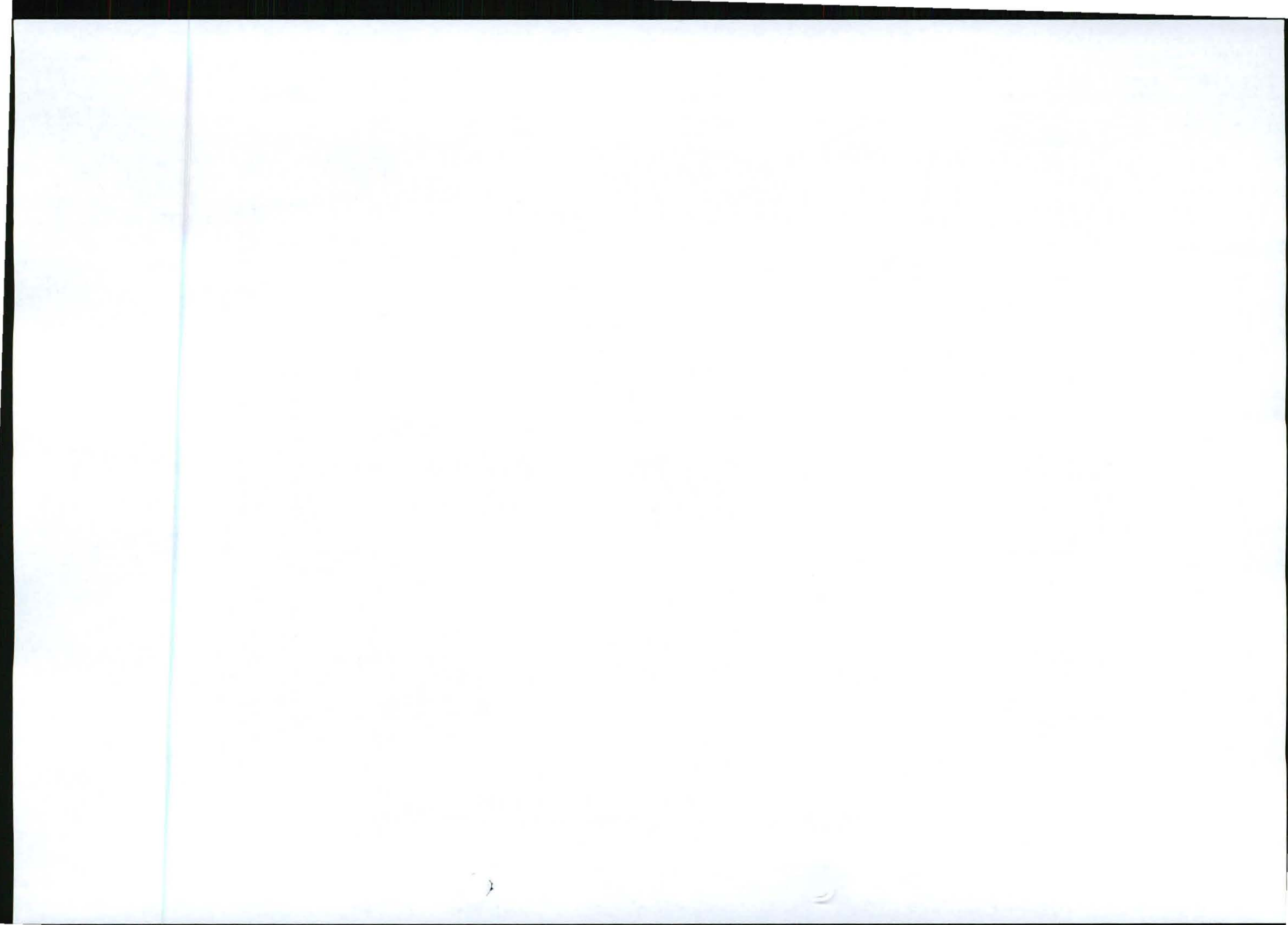
Please note: The Department may request specialist input/studies depending on the nature of the land use character of the area and potential impact(s) of the proposed activity/ies. Specialist reports that look at health & air quality and noise impacts may be required for any feature above and in particular those features marked with an "A" and with an "N" respectively.

Have specialist reports been attached YES NO
 If yes indicate the type of reports below
 -

9. SOCIO-ECONOMIC CONTEXT

Describe the existing social and economic characteristics of the area and the community condition as baseline information to assess the potential social, economic and community impacts.

The proposed telecommunication mast is located on the remaining extent of Portion 192 of the Farm Wilgespruit 190 IQ. To be known as: Erf 1559 Wilgeheuwel Extension 36. The area falls within the boundaries of the City of Johannesburg. The area can be described as residential. Basic services like water and electricity are available.



10. CULTURAL/HISTORICAL FEATURES

Please be advised that if section 38 of the National Heritage Resources Act 25 of 1999 is applicable to your proposal or alternatives, then you are requested to furnish this Department with written comment from the South African Heritage Resource Agency (SAHRA) – Attach comment in appropriate annexure

38. (1) Subject to the provisions of subsections (7), (8) and (9), any person who intends to undertake a development categorised as-

- (a) the construction of a road, wall, powerline, pipeline, canal or other similar form of linear development or barrier exceeding 300m in length;
- (b) the construction of a bridge or similar structure exceeding 50m in length;
- (c) any development or other activity which will change the character of a site-
 - (i) exceeding 5 000 m2 in extent; or
 - (ii) involving three or more existing erven or subdivisions thereof; or
 - (iii) involving three or more erven or divisions thereof which have been consolidated within the past five years; or
 - (iv) the costs of which will exceed a sum set in terms of regulations by SAHRA or a provincial heritage resources authority;
- (d) the re-zoning of a site exceeding 10 000 m2 in extent; or
- (e) any other category of development provided for in regulations by SAHRA or a provincial heritage resources authority, must at the very earliest stages of initiating such a development, notify the responsible heritage resources authority and furnish it with details regarding the location, nature and extent of the proposed development.

Are there any signs of culturally (aesthetic, social, spiritual, environmental) or historically significant elements, as defined in section 2 of the National Heritage Resources Act, 1999, (Act No. 25 of 1999), including archaeological or palaeontological sites, on or close (within 20m) to the site?

YES	NO
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If YES, explain:

-

If uncertain, the Department may request that specialist input be provided to establish whether there is such a feature(s) present on or close to the site.

Briefly explain the findings of the specialist if one was already appointed:

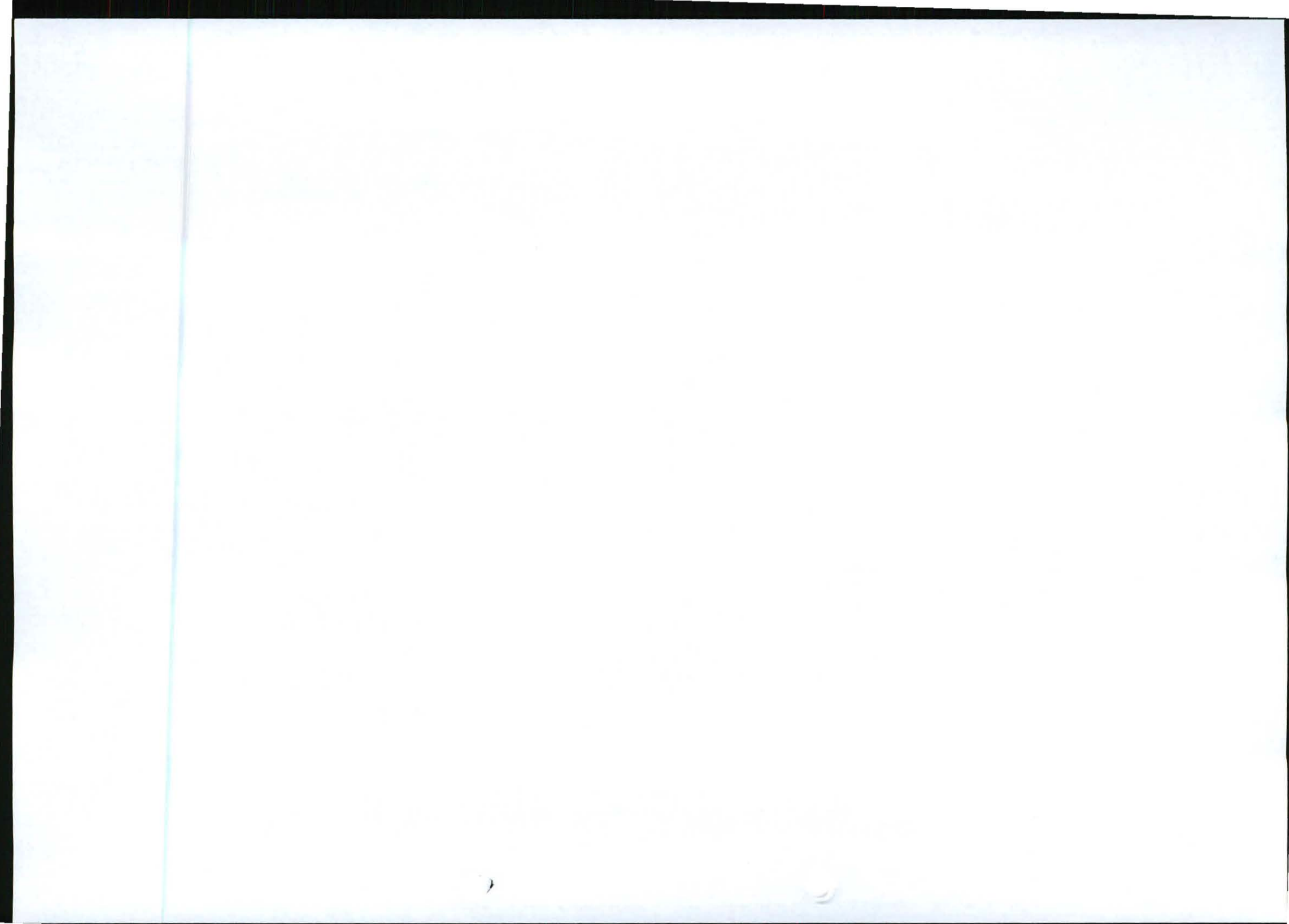
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Will any building or structure older than 60 years be affected in any way?

Is it necessary to apply for a permit in terms of the National Heritage Resources Act, 1999 (Act 25 of 1999)?

YES	NO
YES	NO

If yes, please attached the comments from SAHRA in the appropriate Appendix



SECTION C: PUBLIC PARTICIPATION

1. ADVERTISEMENT

The Environmental Assessment Practitioner must follow any relevant guidelines adopted by the competent authority in respect of public participation and must at least –

- 1(a) Fix a site notice at a conspicuous place, on the boundary of a property where it is intended to undertake the activity which states that an application will be submitted to the competent authority in terms of these regulations and which provides information on the proposed nature and location of the activity, where further information on the proposed activity can be obtained and the manner in which representations on the application may be made;
- 1(b) inform landowners and occupiers of adjacent land of the applicant's intention to submit an application to the competent authority;
- 1(c) inform landowners and occupiers of land within 100 metres of the boundary of the property where it is proposed to undertake the activity and whom may be directly affected by the proposed activity of the applicant's intention to submit an application to the competent authority;
- 1(d) inform the ward councillor and any organisation that represents the community in the area of the applicant's intention to submit an application to the competent authority;
- 1(e) inform the municipality which has jurisdiction over the area in which the proposed activity will be undertaken of the applicant's intention to submit an application to the competent authority; and
- 1(f) inform any organ of state that may have jurisdiction over any aspect of the activity of the applicant's intention to submit an application to the competent authority; and
- 1(g) place an advertisement in one local newspaper and any *Gazette* that is published specifically for the purpose of providing notice to the public of applications made in terms of these regulations.

2. LOCAL AUTHORITY PARTICIPATION

Local authorities are key interested and affected parties in each application and no decision on any application will be made before the relevant local authority is provided with the opportunity to give input. The planning and the environmental sections of the local authority must be informed of the application at least thirty (30) calendar days before the submission of the application to the competent authority (GDARD).

Has any comment been received from the local authority? YES NO

If "YES", briefly describe the comment below (also attach any correspondence to and from the local authority to this application):

-

If "NO" briefly explain why no comments have been received

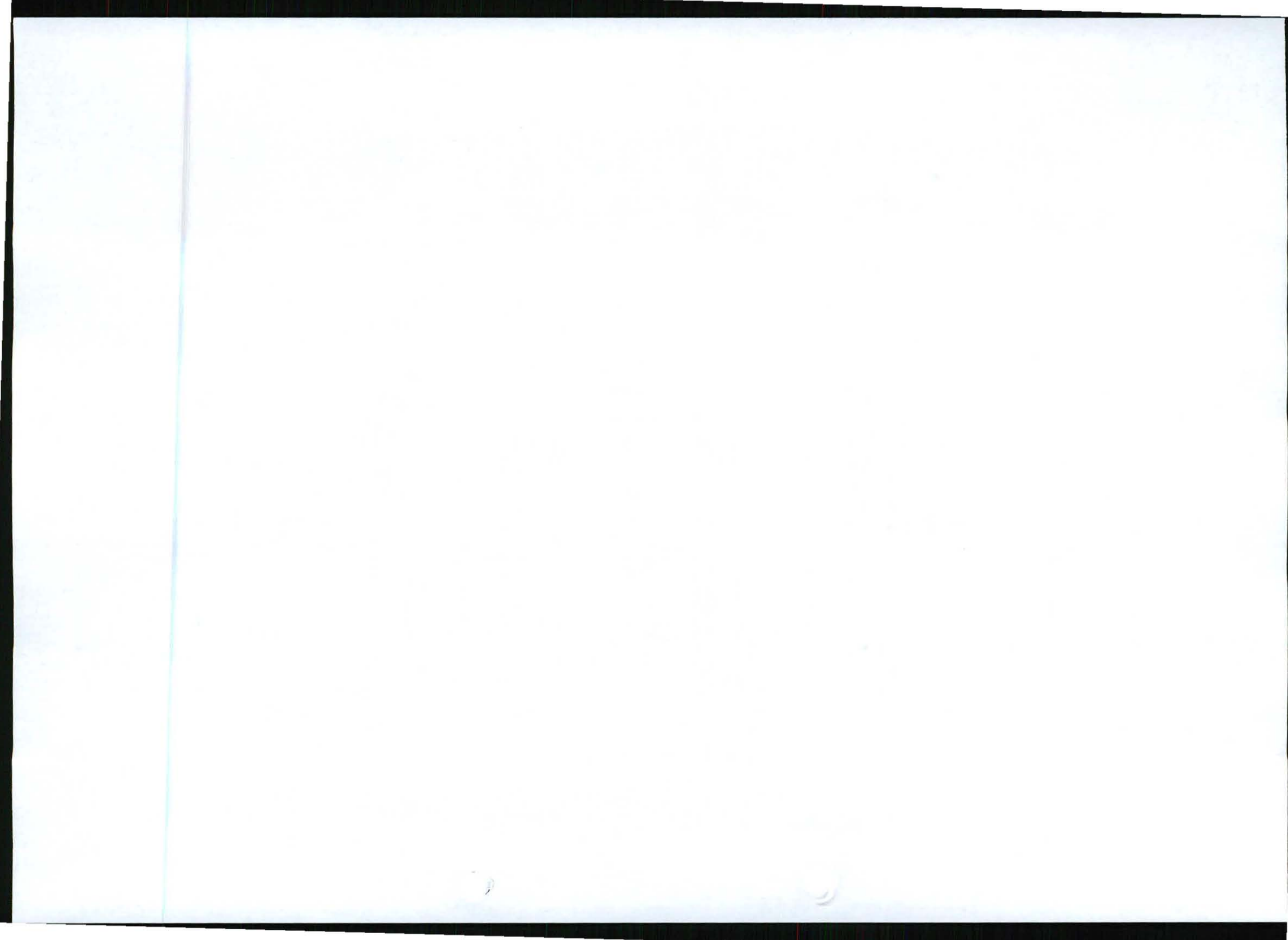
The Local Authority and Ward Councillor is automatic Interested & Affected Parties. They were informed of the proposed application on 6 March 2012. The EAP didn't receive any comments on the notification of this application. A draft Basic Assessment Report will be sent to them.

3. CONSULTATION WITH OTHER STAKEHOLDERS

Any stakeholder that has a direct interest in the activity, site or property, such as servitude holders and service providers, should be informed of the application at least thirty (30) calendar days before the submission of the application and be provided with the opportunity to comment.

Has any comment been received from stakeholders? YES NO

If "YES", briefly describe the feedback below (also attach copies of any correspondence to and from the stakeholders to this application):



Comments received:

The EAP received comments from five Interested and Affected Parties. The main concerns include health issues with radiation, the devaluation of properties, danger that masts propose in terms of electrical storms and the visual impact caused by telecommunication masts.

EAP Response:

The EAP acknowledged all Interested and Affected Party comments and registered all who supplied comments. More information was forwarded to them. A summary of response to these issues are listed below:

- With regard to health issues in respect of telecommunication base stations, guidance is obtained from the South African Department of Health who endorse recommendations developed by the International Commission on Non-Ionising Radiation Protection (ICNIRP) of the International Radiation Protection Association (IRPA) for all radio frequency exposures in this country. The ICNIRP guidelines have been endorsed by the World Health Organisation (WHO) and other international bodies. Information in this regard was sent to the I&APs;
- No proven cases of telecommunication masts and base stations affecting property values have been reported where such structure have influenced property values negatively. The provision of telecommunication infrastructure is an essential service in urban areas with definite benefits to society and communities in the area. Potential devaluation, as a concept, can also not be dealt with in the environmental assessment process as it belongs in the realm of overall planning and decision making at the national, provincial and local authority level.
- With regard to any added danger of electrical storms in the area, which could in turn lead to increase in power outages, possibility of direct hits and other hazards to any property, no scientific proof was provided by the Interested and Affected Party. To the EAP's knowledge, there is no recording of increased lightning strike rates within the specific area surrounding thousands of telecommunication base stations erected worldwide. Telecommunication masts are well earthed and measures are implemented to best absorb any possible lightning strikes.
- The EAP agrees that visual impact of the telecommunication mast is a prominent impact. Much is done to avoid the proliferation of masts. The suggested position is considered the best position to maintain telecommunication infrastructure and several site alternatives have been investigated without success. Structural design options have been assessed to mitigate visual impact.

If "NO" briefly explain why no comments have been received

-

4. GENERAL PUBLIC PARTICIPATION REQUIREMENTS

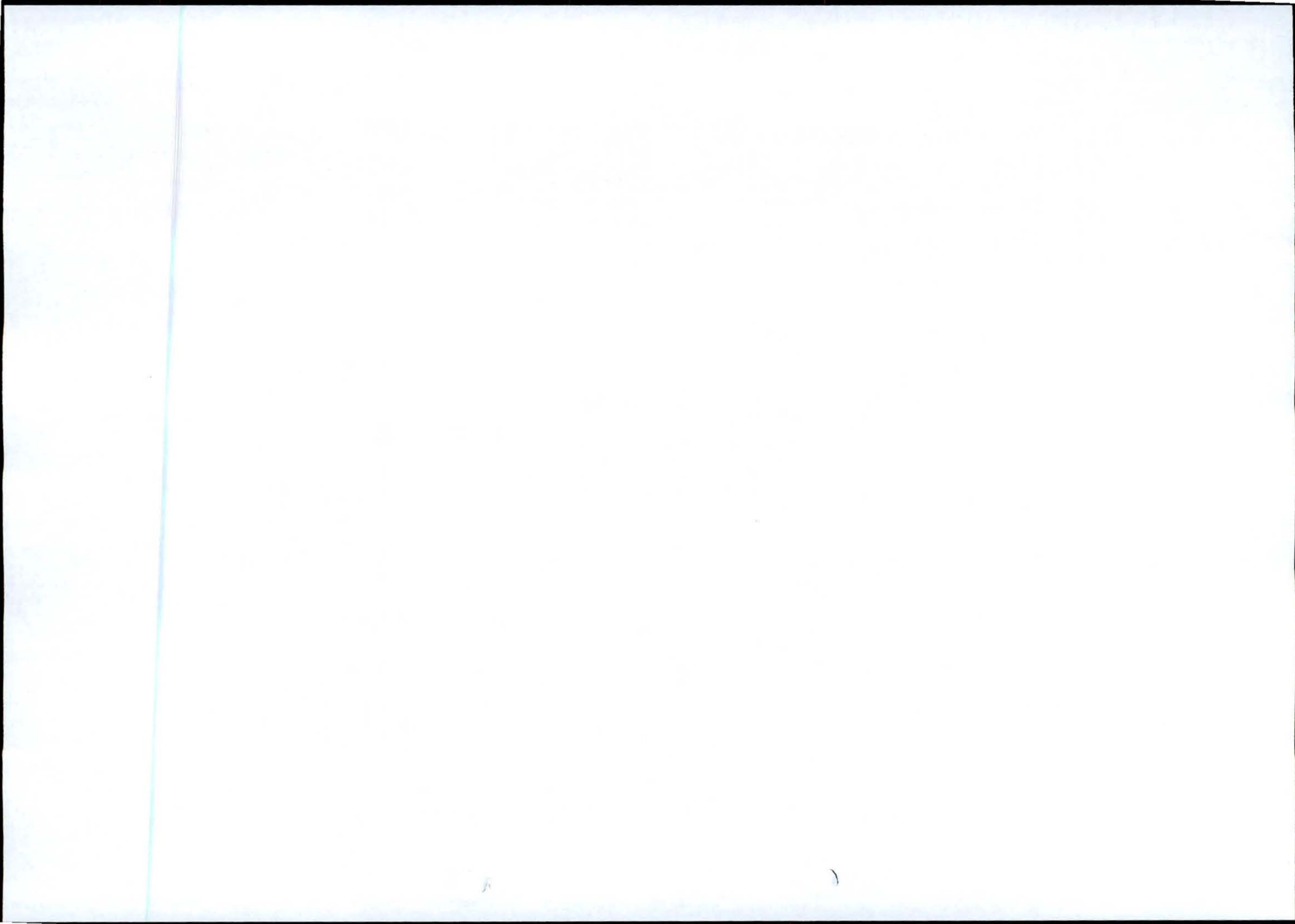
The Environmental Assessment Practitioner must ensure that the public participation is adequate and must determine whether a public meeting or any other additional measure is appropriate or not based on the particular nature of each case. Special attention should be given to the involvement of local community structures such as Ward Committees and ratepayers associations. Please note that public concerns that emerge at a later stage that should have been addressed may cause the competent authority to withdraw any authorisation it may have issued if it becomes apparent that the public participation process was inadequate.

The practitioner must record all comments and respond to each comment of the public / interested and affected party before the application is submitted. The comments and responses must be captured in a Comments and Responses Report as prescribed in the regulations and be attached to this application.

5. APPENDICES FOR PUBLIC PARTICIPATION

All public participation information is to be attached in the appropriate Appendix. The information in this Appendix is to be ordered as detailed below

- Appendix 1 – Proof of site notice
- Appendix 2 – Written notices issued to those persons detailed in 1(b) to 1(f) above
- Appendix 3 – Proof of newspaper advertisements
- Appendix 4 – Communications to and from persons detailed in Point 2 and 3 above
- Appendix 5 – Minutes of any public and/or stakeholder meetings
- Appendix 6 - Comments and Responses Report
- Appendix 7 –Comments from I&APs on Basic Assessment (BA) Report
- Appendix 8 –Comments from I&APs on amendments to the BA Report
- Appendix 9 – Copy of the register of I&APs
- Appendix 10 – Comments from I&APs on the application
- Appendix 11 - Other



SECTION D: RESOURCE USE AND PROCESS DETAILS

Note: Section D is to be completed for the proposal and alternative(s) (if necessary)

Instructions for completion of Section D for alternatives

- 1) For each alternative under investigation, where such alternatives will have different resource and process details (e.g. technology alternative), the entire Section D needs to be completed
- 4) Each alternative needs to be clearly indicated in the box below
- 5) Attach the above documents in a chronological order

Section D has been duplicated for alternatives

0 – no different resource and process details for alternatives

times

(complete only when appropriate)

Section D Alternative No.

(complete only when appropriate for above)

1. WASTE, EFFLUENT, AND EMISSION MANAGEMENT

Solid waste management

Will the activity produce solid construction waste during the construction/initiation phase?

If yes, what estimated quantity will be produced per month?

YES	NO
2m³ (6 weeks construction only)	

How will the construction solid waste be disposed of (describe)?

Loaded and transported by a suitable roadworthy commercial vehicle to the nearest registered landfill site.

Where will the construction solid waste be disposed of (describe)?

At a suitable registered landfill site within the immediate area.

Will the activity produce solid waste during its operational phase?

If yes, what estimated quantity will be produced per month?

How will the solid waste be disposed of (describe)?

-

Has the municipality or relevant service provider confirmed that sufficient air space exists for treating/disposing of the solid waste to be generated by this activity?

Where will the solid waste be disposed if it does not feed into a municipal waste stream (describe)?

A registered land fill site.

Note: If the solid waste (construction or operational phases) will not be disposed of in a registered landfill site or be taken up in a municipal waste stream, the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.

Can any part of the solid waste be classified as hazardous in terms of the relevant legislation?

If yes, inform the competent authority and request a change to an application for scoping and EIA.

Is the activity that is being applied for a solid waste handling or treatment facility?

If yes, the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.

Describe the measures, if any, that will be taken to ensure the optimal reuse or recycling of materials:

-

Liquid effluent (other than domestic sewage)

Will the activity produce effluent, other than normal sewage, that will be disposed of in a municipal sewage system?

If yes, what estimated quantity will be produced per month?

If yes, has the municipality confirmed that sufficient capacity exist for treating / disposing of the liquid effluent to be generated by this activity(ies)?

Will the activity produce any effluent that will be treated and/or disposed of on site?

If yes, what estimated quantity will be produced per month?

If yes describe the nature of the effluent and how it will be disposed.

-

Note that if effluent is to be treated or disposed on site the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA

Will the activity produce effluent that will be treated and/or disposed of at another facility?

If yes, provide the particulars of the facility:

Facility name:

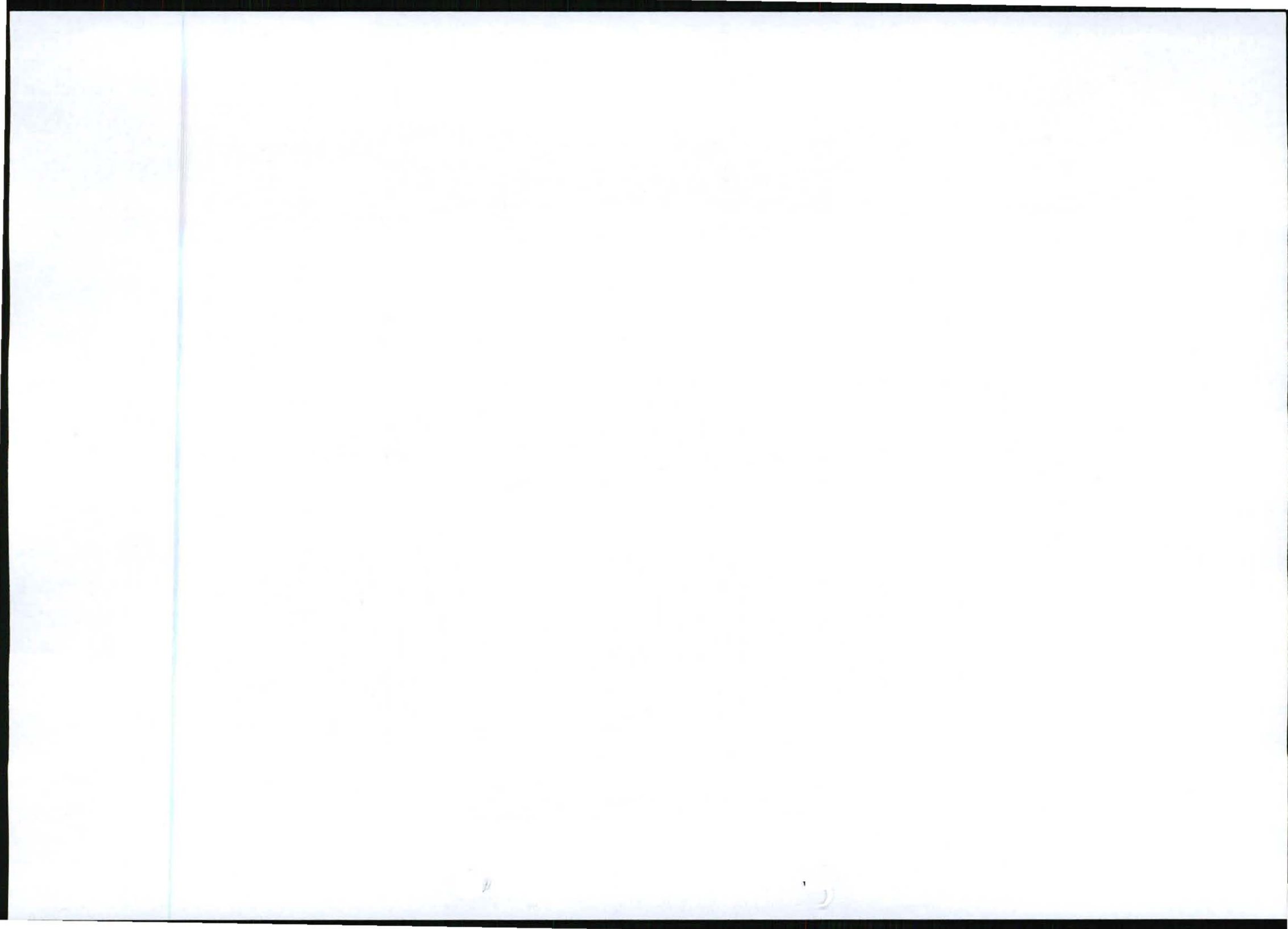
Contact person:

Postal address:

Postal code:

YES	NO
m³	
YES	NO
Yes	NO
m³	

YES	NO
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BASIC ASSESSMENT REPORT [REGULATION 22(1)]

Telephone: Cell:
 E-mail: Fax:

Describe the measures that will be taken to ensure the optimal reuse or recycling of waste water, if any:

Liquid effluent (domestic sewage)

Will the activity produce domestic effluent that will be disposed of in a municipal sewage system?

YES	NO
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 If yes, what estimated quantity will be produced per month?

m ³	
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 If yes, has the municipality confirmed that sufficient capacity exist for treating / disposing of the domestic effluent to be generated by this activity(ies)?

YES	NO
-----	----

 Will the activity produce any effluent that will be treated and/or disposed of on site?

YES	NO
-----	----

 If yes describe how it will be treated and disposed off.

Emissions into the atmosphere

Will the activity release emissions into the atmosphere?

YES	NO
-----	----

 If yes, is it controlled by any legislation of any sphere of government?

YES	NO
-----	----

 If yes, the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.
 If no, describe the emissions in terms of type and concentration:

Non-ionised electromagnetic fields with power density < 10W/m² (Department of Health Guidelines based on International Commission on Non-Ionising Radiation Protection (ICNIRP) and World Health Organisation (WHO) guidelines.

2. WATER USE

Indicate the source(s) of water that will be used for the activity

municipal	Directly from water board	groundwater	river, stream, dam or lake	other	the activity will not use water
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If water is to be extracted from groundwater, river, stream, dam, lake or any other natural feature, please indicate the volume that will be extracted per month: liters
 If Yes, please attach proof of assurance of water supply, e.g. yield of borehole, in the appropriate Appendix
 Does the activity require a water use permit from the Department of Water Affairs?

YES	NO
-----	----

 If yes, list the permits required

If yes, have you applied for the water use permit(s)?

YES	NO
-----	----

 If yes, have you received approval(s)? (attached in appropriate appendix)

YES	NO
-----	----

3. POWER SUPPLY

Please indicate the source of power supply eg. Municipality / Eskom / Renewable energy source

Municipal electricity supply is available at the site.
 If power supply is not available, where will power be sourced from?

4. ENERGY EFFICIENCY

Describe the design measures, if any, that have been taken to ensure that the activity is energy efficient:

High technological cellular telecommunication operating systems are in principle designed for minimum, cost effective energy consumption in order to preserve resources and to optimise the financial yield generated by the base station.
 Describe how alternative energy sources have been taken into account or been built into the design of the activity, if any:

Alternative energy sources have not been taken into account into the design of the activity.



SECTION E: IMPACT ASSESSMENT

The assessment of impacts must adhere to the minimum requirements in the EIA Regulations, 2006, and should take applicable official guidelines into account. The issues raised by interested and affected parties should also be addressed in the assessment of impacts.

1. ISSUES RAISED BY INTERESTED AND AFFECTED PARTIES

Summarise the issues raised by interested and affected parties.

The EAP received comments from five Interested and Affected Parties. The main concerns include health issues with radiation, the devaluation of properties, danger that masts propose in terms of electrical storms and the visual impact caused by telecommunication masts.

Summary of response from the practitioner to the issues raised by the interested and affected parties

(A full response must be provided in the Comments and Response Report that must be attached to this report):

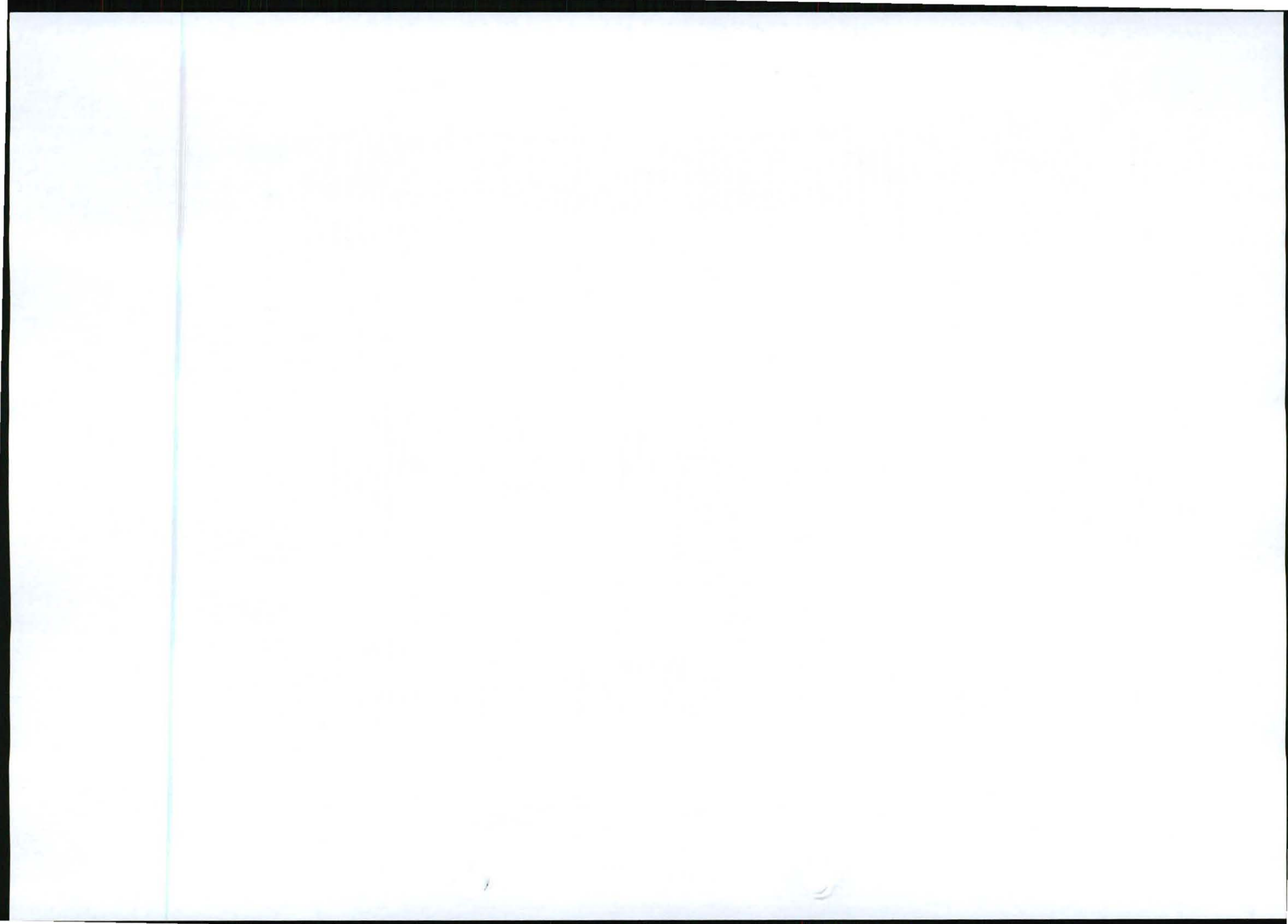
The EAP acknowledged all Interested and Affected Party comments and registered all who supplied comments. More information was forwarded to the them and a summary of response to issues listed above are as follows:

- With regard to health issues in respect of telecommunication base stations, guidance is obtained from the South African Department of Health who endorse recommendations developed by the International Commission on Non-Ionising Radiation Protection (ICNIRP) of the International Radiation Protection Association (IRPA) for all radio frequency exposures in this country. The ICNIRP guidelines have been endorsed by the World Health Organisation (WHO) and other international bodies. Information in this regard was sent to the I&APs;
- No proven cases of telecommunication masts and base stations affecting property values have been reported where such structure have influenced property values negatively. The provision of telecommunication infrastructure is an essential service in urban areas with definite benefits to society and communities in the area. Potential devaluation, as a concept, can also not be dealt with in the environmental assessment process as it belongs in the realm of overall planning and decision making at the national, provincial and local authority level.
- With regard to any added danger of electrical storms in the area, which could in turn lead to increase in power outages, possibility of direct hits and other hazards to any property, no scientific proof was provided by the Interested and Affected Party. To the EAP's knowledge, there is no recording of increased lightning strike rates within the specific area surrounding thousands of telecommunication base stations erected worldwide. Telecommunication masts are well earthed and measures are implemented to best absorb any possible lightning strikes.
- The EAP agrees that visual impact of the telecommunication mast is a prominent impact. Much is done to avoid the proliferation of masts. The suggested position is considered the best position to maintain telecommunication infrastructure and several site alternatives have been investigated without success. Structural design options have been assessed to mitigate visual impact.

2. IMPACTS THAT MAY RESULT FROM THE CONSTRUCTION AND OPERATIONAL PHASE

Briefly describe the methodology utilised in the rating of significance of impacts

- a. Predicting the nature, magnitude, extent, duration and probability of each potential impact in relation to the status quo, which will directly relate to the significance rating of the impact.
- b. Evaluation of the status of a specific impact in relation to general environmental standards, guidelines and objectives.
- c. Evaluation of the status of a specific impact in relation to levels of public concern and the permanency of the impact.
- d. Classification of the type of impact i.e. visual, social, economic, bio-physical;
- e. Classification in relation to the category of main impacts, i.e. positive, negative, direct (primary), indirect (secondary), cumulative and synergistic;
- f. Classification in accordance with the relationship of the impact to the general sensitivity of the immediate environment taking into consideration the classification guidelines of the GAUCONS 2002 document indicating that the proposed activity takes place within a medium to high control zone and a medium to high impact structure is proposed with the understanding that a basic assessment process facilitates a concise process in terms of NEMA 1998 as amended, providing sufficient material to assess and establish the overall environmental impact of the proposed activity 3 and the activity or the receiving environment does not have the potential to result in significant impacts which are complex to assess.
- g. Classification of impacts, based on points a to f above, into very high, high, medium, low, very low or a combination thereof where classifications can be defined as:
 - Very high: extreme negative impact with high degree of permanent damage to existing environmental resources, futures, etc. or completely destroying existing environmental characteristics.
 - High: major permanent negative impact on the existing receiving environment.
 - Medium: Acceptable temporary or permanent negative impact with the benefits of the development compensating for the negative impact on the receiving environment.
 - Low: Acceptable minimal temporary or permanent impact with the benefits of the development



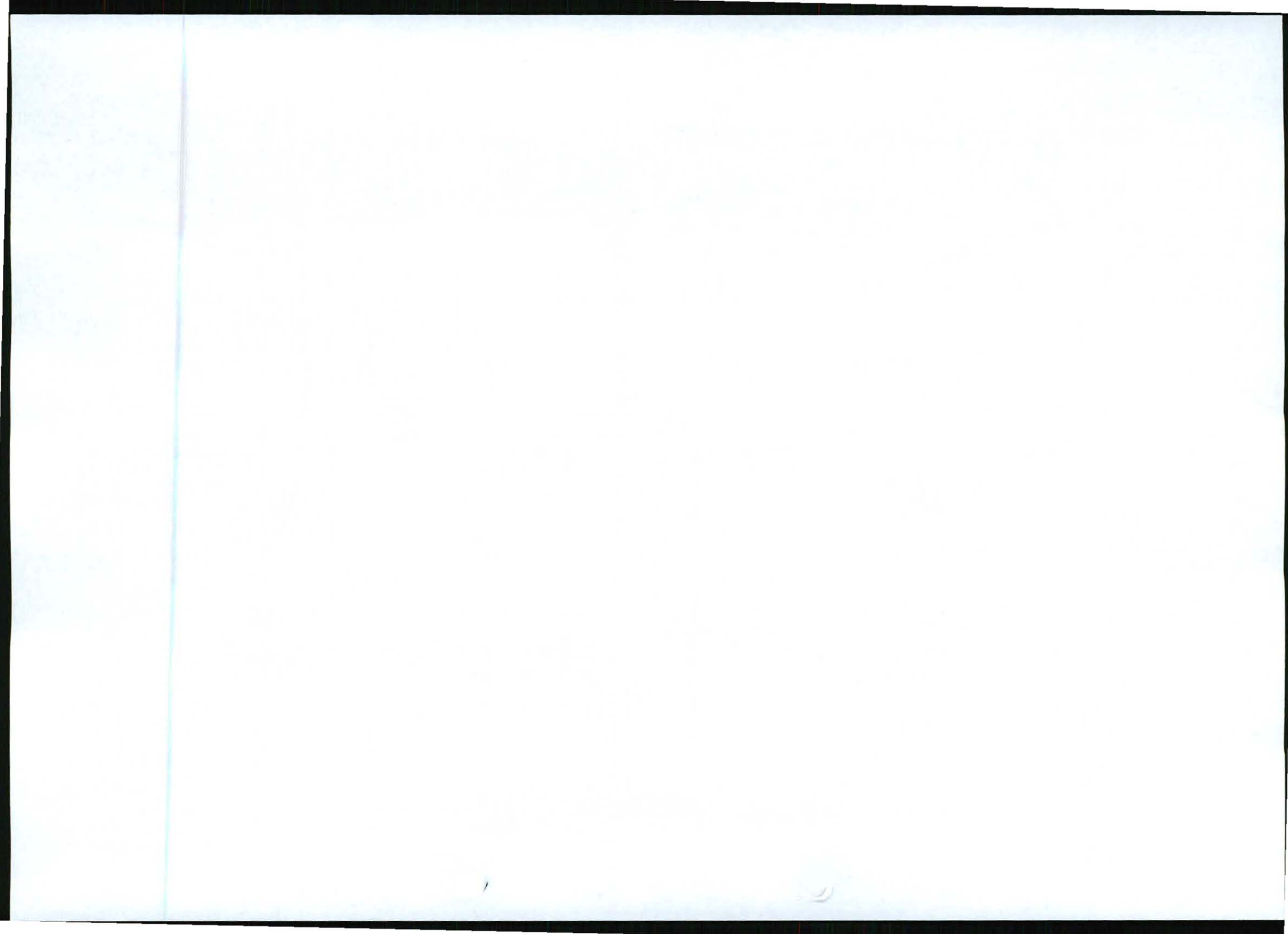
BASIC ASSESSMENT REPORT [REGULATION 22(1)]

- compensating fully for the negative impact on the receiving environment.
- Very low: Minimal impact of a temporary or permanent nature which still has a potential influence on the receiving environment.

Briefly describe and compare the potential impacts (as appropriate), significance rating of impacts, proposed mitigation and significance rating of impacts after mitigation that are likely to occur as a result of the construction phase for the various alternatives of the proposed development. This must include an assessment of the significance of all impacts.

Proposal:

Potential impacts:	Significance rating of impacts:	Proposed mitigation:	Significance rating of impacts after mitigation:
A. Construction Phase (approximately 6 weeks)			
1. Increased activity and traffic at the premises including material delivery and work team movements.	Low	1. Temporary special traffic control measures if and when applicable.	Low
2. Increased workplace accident risk due to the mere occurrence of the activity.	Medium	2. Implement & maintain specific construction site safety measures in accordance with the applicable clauses of the OHS Act for both workers and the general public with specific emphasis on preventing the general public having access to the construction area.	Low
3. Creation of dust and disturbance of specific soil layers due to earthwork activities.	Medium	3. Implement and maintain dust prevention measures e.g. water sprinkling, and store topsoil separately for appropriate landscaping distribution on completion of construction.	Low
4. Generation of standard building rubble & waste.	Low	4. Transport waste on a regular basis to an appropriately licensed landfill site.	Low
5. Generation of construction noise created by earthwork machinery and other applicable tooling used for the establishment of the telecommunication base station.	Medium	5. Limit site construction to normal day time working hours and minimise noise generation to absolute minimum.	Low
B. Operational Phase (Proposal)			
1. Increased electricity consumption on the existing supply grid.	Low	1. Economical electricity consumption design.	Very Low
2. Noise generation by air-conditioning units and by backup generator if electricity supply fails.	Low	2. Scheduled preventative maintenance program implementation and control.	Very Low
3. Non-ionised electromagnetic fields emissions on allocated frequency.	Low	3. Maintain level of non-ionised electromagnetic field emissions within International Commission on Non-Ionising Radiation Protection (ICNIRP) & World Health Organisation (WHO) guidelines as adopted by the South African Health Department.	Low
4. Increase in potential air traffic obstacles.	Medium	4. Night markings, if required.	Medium to Low
5. Visual impact of the 30m high tree type telecommunication mast structure on short, medium and long distance observation (proposal).	Medium to High	5. The visual impact of the telecommunication mast is the most prominent factor to be considered. It must however be taken into consideration that the establishment of infrastructure,	Medium



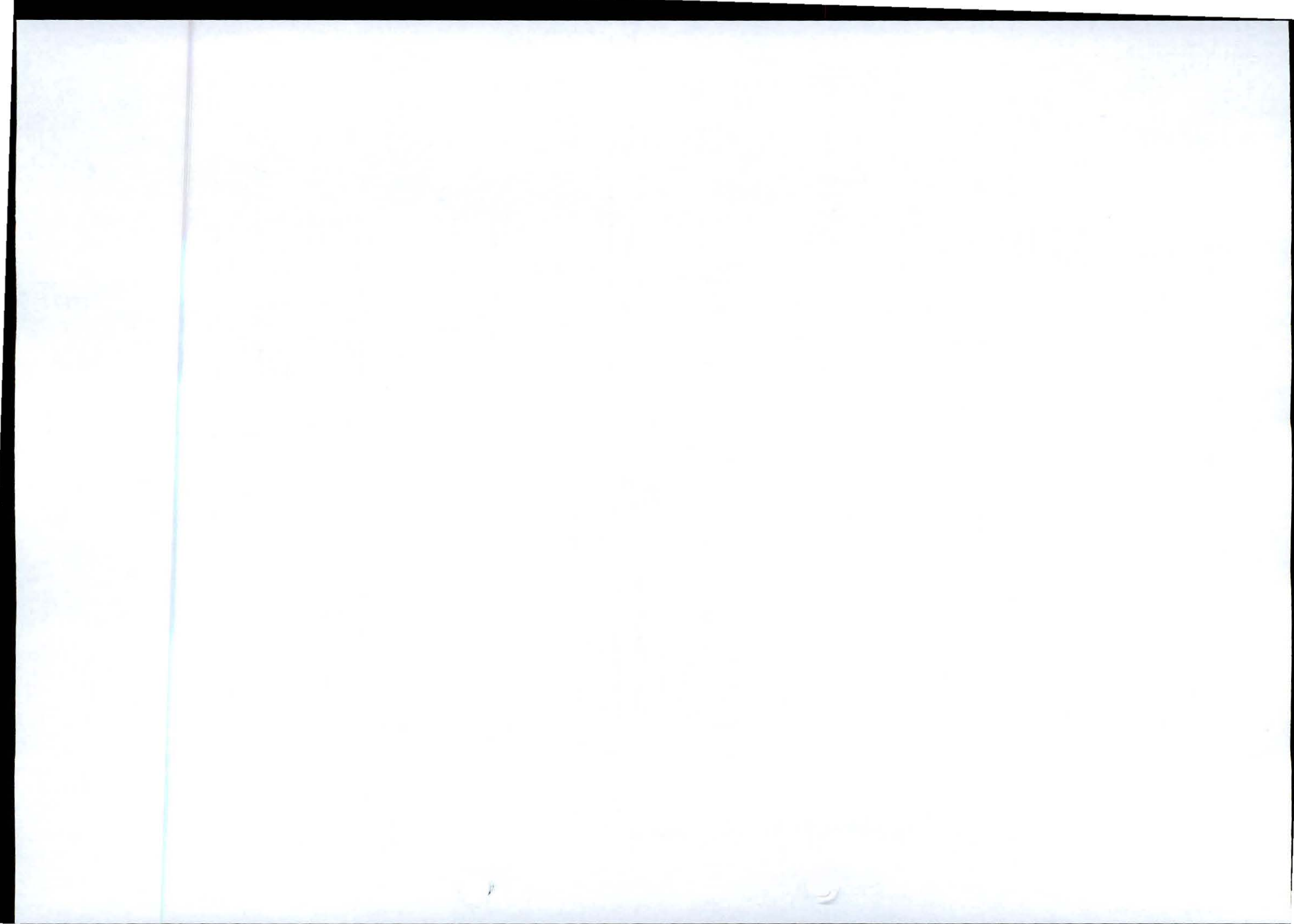
		<p>e.g. electricity grids, telecommunication masts and lines etc. will always create a negative visual impact and often mitigation measures must concentrate on offsetting the required positive utilisation capacity of infrastructure and subsequent services versus the overall negative impact. It is argued that in this instance the benefit of the services provided by the infrastructure outweighs the negative visual impact of the base station.</p> <p>However, physical measures taken or existing conditions which will reduce the negative visual impact:</p> <ul style="list-style-type: none"> • Investigation of sharing existing infrastructure: not available within the establishment area required in terms of the coverage objectives. • Due to the demographics and the characteristics of the area it is expected that telecommunication base station signal capacity (additional antennae) and sharing on the site will occur in future; • Facility sharing capacity incorporated in design to make provision for and promote the sharing of infrastructure in order to prevent the proliferation of masts; • 30m height required to achieve maximum coverage objectives in the specific area and therefore reducing the need for additional telecommunication masts to achieve/maintain the same coverage within the coverage target area; • Tree type mast structure is suitable to fulfill the coverage objectives of the telecommunication base station due to the coverage range required and the flexibility of utilising the mast height for varying antennae installation configurations; • Tree type mast provides maximum mitigation of the short to long range visual impact due to the tree type mast blending in with the surrounding environment; and • 2.4m high galvanised steel palisade fence painted green to provide maximum mitigation of the short to long range visual impact of the telecommunication base station due to the blending capability with the surrounding environment and against the sky background. 	
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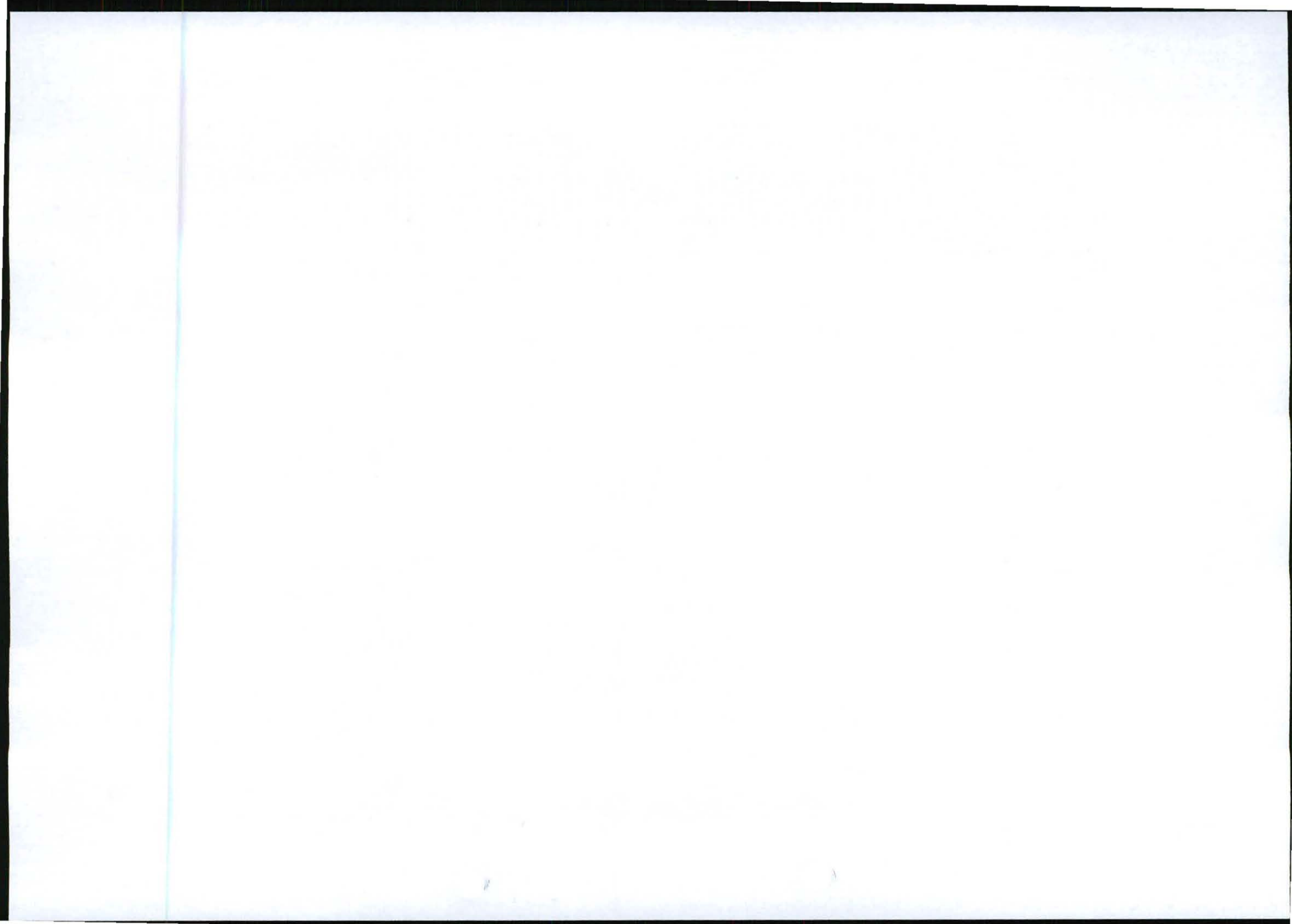
BASIC ASSESSMENT REPORT [REGULATION 22(1)]

Alternative 1:

Potential impacts:	Significance rating of impacts:	Proposed mitigation:	Significance rating of impacts after mitigation:
A. Construction Phase (approximately 6 weeks)			
1. Increased activity and traffic at the premises including material delivery and work team movements.	Low	1. Temporary special traffic control measures if and when applicable.	Low
2. Increased workplace accident risk due to the mere occurrence of the activity.	Medium	2. Implement & maintain specific construction site safety measures in accordance with the applicable clauses of the OHS Act for both workers and the general public with specific emphasis on preventing the general public having access to the construction area.	Low
3. Creation of dust and disturbance of specific soil layers due to earthwork activities.	Medium	3. Implement and maintain dust prevention measures e.g. water sprinkling, and store topsoil separately for appropriate landscaping distribution on completion of construction.	Low
4. Generation of standard building rubble & waste.	Low	4. Transport waste on a regular basis to an appropriately licensed landfill site.	Low
5. Generation of construction noise created by earthwork machinery and other applicable tooling used for the establishment of the telecommunication base station.	Medium	5. Limit site construction to normal daytime working hours and minimise noise generation to absolute minimum.	Low
B. Operational Phase (Alternative 1)			
1. Increased electricity consumption on the existing supply grid.	Low	1. Economical electricity consumption design.	Very Low
2. Noise generation by air conditioning units and by backup generator if electricity supply fails.	Low	2. Scheduled preventative maintenance program implementation and control.	Very Low
3. Non-ionised electromagnetic fields emissions on allocated frequency.	Low	3. Maintain level of non-ionised electromagnetic field emissions within International Commission on Non-Ionising Radiation Protection (ICNIRP) & World Health Organisation (WHO) guidelines as adopted by the South African Health Department.	Low
4. Increase in potential air traffic obstacles.	Medium	4. Night markings, if required.	Medium to Low
5. Visual impact of the 30m monopole type telecommunication mast painted green on short, medium and long distance observation. (Alternative 1)	High	5. The visual impact of the monopole telecommunication mast is the most prominent factor to be considered. It must however be taken into consideration that the establishment of infrastructure, e.g. electricity grids, telecommunication masts and lines etc. will always create a negative visual impact and often mitigation measures must concentrate on offsetting the required positive utilisation capacity of infrastructure and subsequent services versus the overall negative impact. It is argued that in this	High



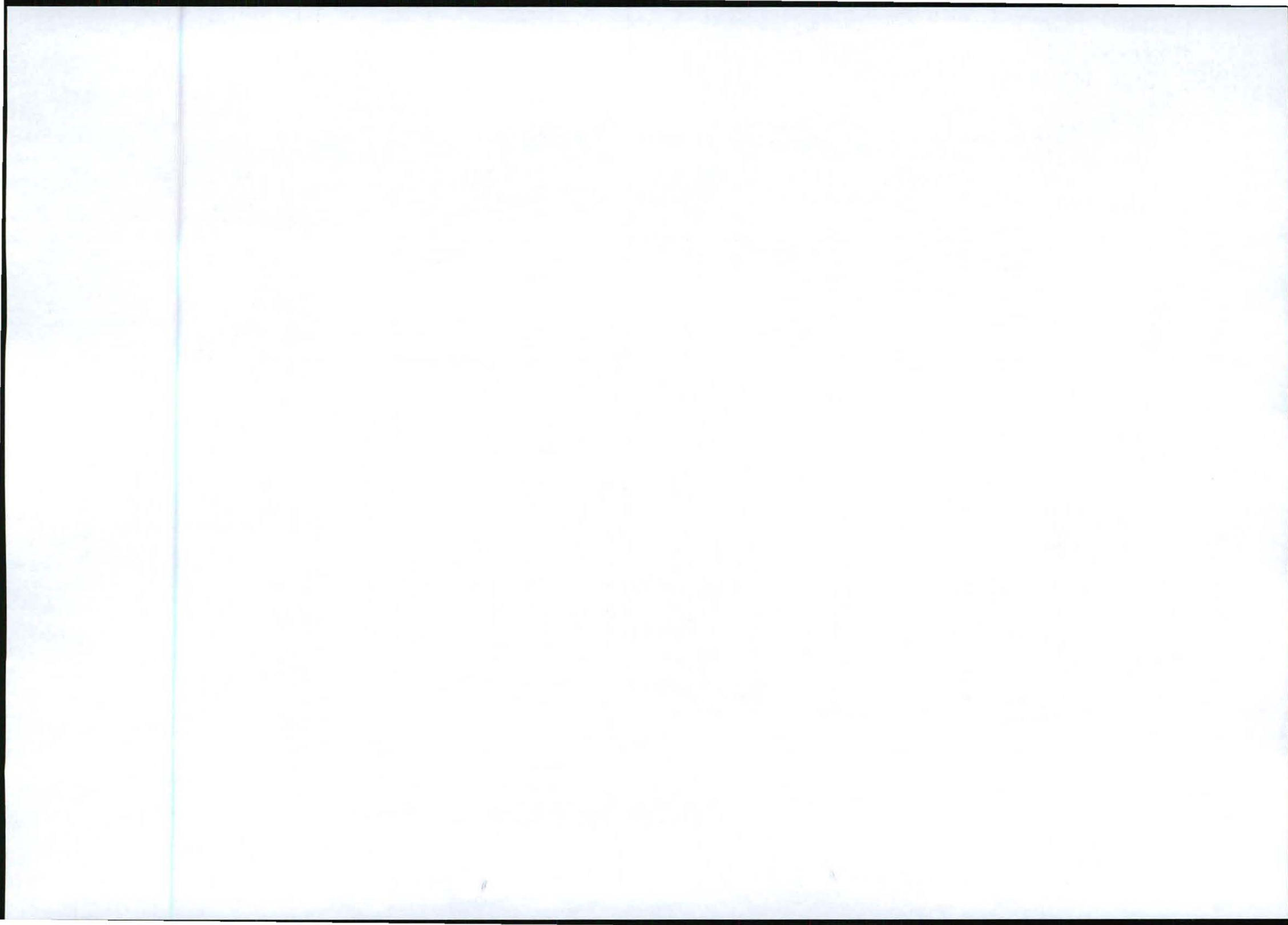
		<p>instance the benefit of the services provided by the infrastructure outweighs the negative visual impact of the mast.</p> <p>However, physical measures taken or existing conditions which will reduce the negative visual impact:</p> <ul style="list-style-type: none"> • Investigation of sharing existing infrastructure: not available within the establishment area required in terms of the coverage objectives. • Due to the demographics and the characteristics of the area it is expected that telecommunication base station signal capacity (additional antennae) and sharing on the site will occur in future; • Facility sharing capacity incorporated in design to make provision for and promote the sharing of infrastructure in order to prevent the proliferation of masts; • 30m height will achieve maximum coverage objectives in the specific area and therefore reducing the need for additional telecommunication masts to achieve/maintain the same coverage within the coverage target area; • Monopole type structure is suitable to fulfill the coverage objectives of the telecommunication base station due to the coverage range required and the flexibility of utilising the mast height for varying antennae installation configurations; • 30m Monopole mast painted green provides medium mitigation of the short range visual impact due to the natural green colour, but not maximum mitigation, due to the solid type mast. 30m Monopole mast painted green provides high mitigation of the medium to long range visual impact, due to the colour green being generally more accepted by the general public, but not maximum mitigation due to the solid type mast and the green colour not blending with the sky background; and • 2.4m high galvanised steel palisade fence painted green to provide high mitigation of the short to long range visual impact of the telecommunication base station due to the transparency of the palisade fence and the natural green colour. 	
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BASIC ASSESSMENT REPORT [REGULATION 22(1)]

Alternative 2:

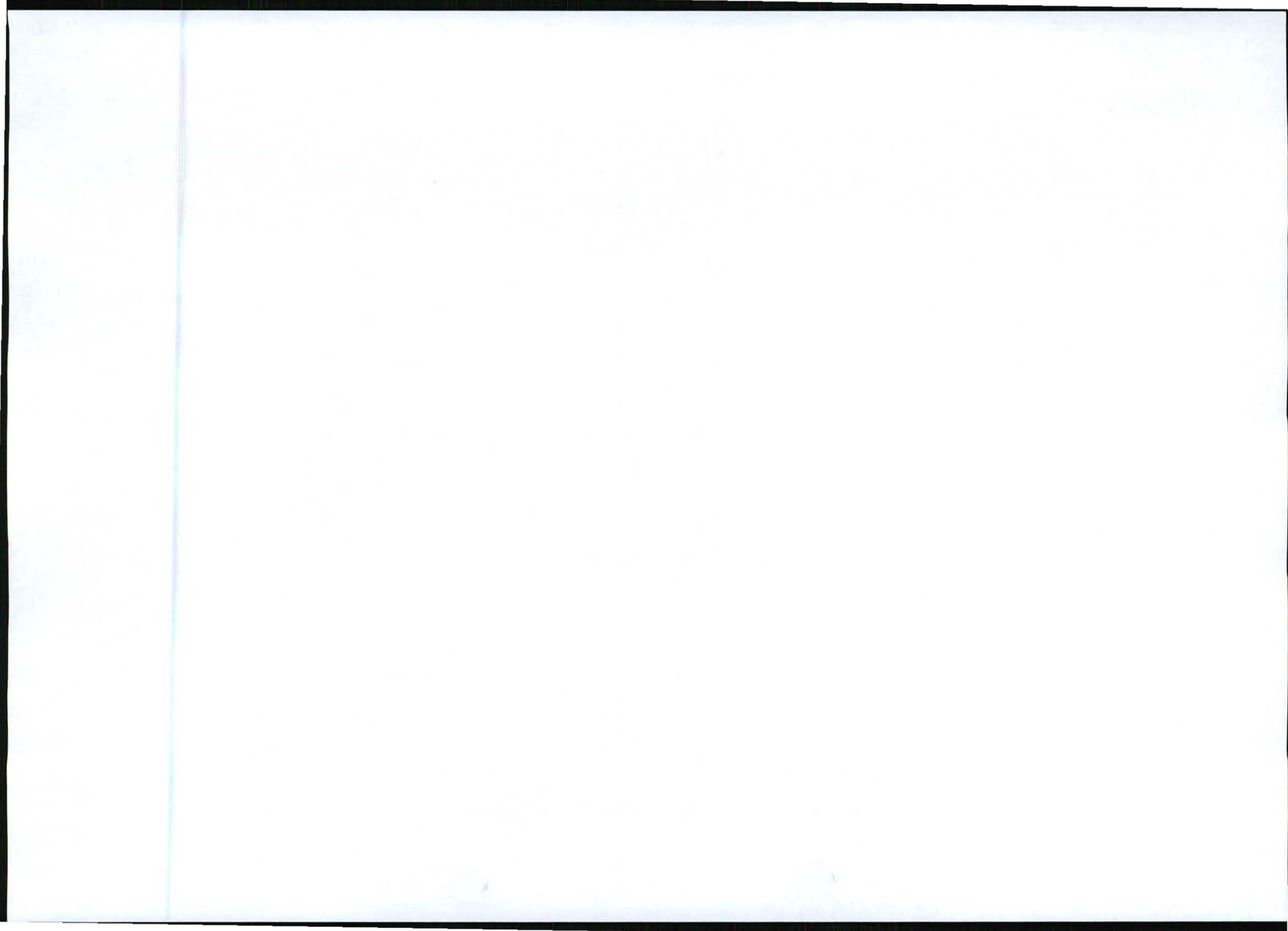
Potential impacts:	Significance rating of impacts:	Proposed mitigation:	Significance rating of impacts after mitigation:
A. Construction Phase (approximately 6 weeks)			
1. Increased activity and traffic at the premises including material delivery and work team movements.	Low	1. Temporary special traffic control measures if and when applicable.	Low
2. Increased workplace accident risk due to the mere occurrence of the activity.	Medium	2. Implement & maintain specific construction site safety measures in accordance with the applicable clauses of the OHS Act for both workers and the general public with specific emphasis on preventing the general public having access to the construction area.	Low
3. Creation of dust and disturbance of specific soil layers due to earthwork activities.	Medium	3. Implement and maintain dust prevention measures e.g. water sprinkling, and store topsoil separately for appropriate landscaping distribution on completion of construction.	Low
4. Generation of standard building rubble & waste.	Low	4. Transport waste on a regular basis to an appropriately licensed landfill site.	Low
5. Generation of construction noise created by earthwork machinery and other applicable tooling used for the establishment of the telecommunication base station.	Medium	5. Limit site construction to normal working hours and minimise noise generation to absolute minimum.	Low
B. Operational Phase (Alternative 2)			
1. Increased electricity consumption on the existing supply grid.	Low	1. Economical electricity consumption design.	Very Low
2. Noise generation by air-conditioning units and by backup generator if electricity supply fails.	Low	2. Scheduled preventative maintenance program implementation and control.	Very Low
3. Non-ionised electromagnetic fields emissions on allocated frequency.	Low	3. Maintain level of non-ionised electromagnetic field emissions within International Commission on Non-Ionising Radiation Protection (ICNIRP) & World Health Organisation (WHO) guidelines as adopted by the South African Health Department.	Low
4. Increase in potential air traffic obstacles.	Medium	4. Night markings, if required.	Low
5. Visual impact of the 30m unpainted (galvanized) monopole telecommunication mast structure on short, medium and long distance observation. (Alternative 2)	High	5. The visual impact of the telecommunication mast is the most prominent factor to be considered. It must however be taken into consideration that the establishment of infrastructure, e.g. electricity grids, telecommunication masts and lines etc. will always create a negative visual impact and often mitigation measures must concentrate on offsetting the required positive utilisation capacity	High



		<p>of infrastructure and subsequent services versus the overall negative impact. It is argued that in this instance the benefit of the services provided by the infrastructure outweighs the negative visual impact of the mast. However, physical measures taken or existing conditions which will reduce the negative visual impact:</p> <ul style="list-style-type: none"> • Investigation of sharing existing infrastructure: not available within the establishment area required in terms of the coverage objectives. • Due to the demographics and the characteristics of the area it is expected that telecommunication base station signal capacity (additional antennae) and sharing on the site will occur in future; • Facility sharing capacity incorporated in the design to make provision for and promote the sharing of infrastructure in order to prevent the proliferation of masts; • 30m height will achieve maximum coverage objectives in the specific area and therefore reducing the need for additional telecommunication masts to achieve/maintain the same coverage within the coverage target area; • The monopole type mast is suitable to fulfill the coverage objectives of the telecommunication base station due to the coverage range required and the flexibility of utilising the mast height for varying antennae installation configurations; • 30m unpainted (galvanized) monopole mast provides medium mitigation of the short range visual impact due to the less 'industrial' looking design. The unpainted (galvanized) monopole mast provides high mitigation of the medium to long range visual impact due to the colour of the mast blending with the sky background, but not maximum mitigation due to the solid type structure being visible from a longer distance than a lattice mast; and • 2.4m high galvanised steel palisade fence to provide maximum mitigation of the short to long range visual impact of the telecommunication base station due to the blending capability with the surrounding environment and against the sky background. 	
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List any specialist reports that were used to fill in the above tables. Such reports are to be attached in the appropriate Appendix.

None



List any specialist reports that were used to fill in the above tables. Such reports are to be attached in the appropriate Appendix.

None

4. CUMULATIVE IMPACTS

Describe potential impacts that, on their own may not be significant, but is significant when added to the impact of other activities or existing impacts in the environment. Substantiate response:

The telecommunication mast will be an addition to telecommunication base stations nationally and increase the infrastructure and therefore the transmission capacity of telecommunication operators. The infrastructure, specifically mast structures, do have a cumulative negative visual impact but provides essential modern telecommunication infrastructure and services and the negative impact is offset by the overall positive socio-economic impact in providing technologically advanced communication capacity and services on a national basis. The sharing of telecommunication infrastructure is essential in limiting the number of impacts to an absolute minimum.

5. ENVIRONMENTAL IMPACT STATEMENT

Taking the assessment of potential impacts into account, please provide an environmental impact statement that sums up the impact that the proposal and its alternatives may have on the environment after the management and mitigation of impacts have been taken into account with specific reference to types of impact, duration of impacts, likelihood of potential impacts actually occurring and the significance of impacts.

Proposal:

The impact of the proposed activity will, taking into consideration the implementation of mitigating measures to minimise the negative impacts on the environment, have a positive overall impact.

Physical impacts:

1. The planning & design of the telecommunication mast is considerate of operational and public demand needs and is done on the principle of minimising any negative impacts on the receiving environment.
2. The negative impacts during the construction phase, as indicated earlier in the assessment report, are temporary and will not have a long term effect on the proposed development or immediate area. These impacts will last for approximately 6 weeks only.
3. The development has a very low impact on the biodiversity of the surrounding and receiving environment. The physical area where the telecommunication base station will be established is already disturbed. Neither does the physical site position have the potential or value to be rehabilitated to a previous natural state. No further expected or proven biological impacts will result from the proposed development.
4. The permanent visual impact of the tree type mast is the highest contributing negative impact of the proposed activity on the receiving environment. Tree type mast provides maximum mitigation of the short to long range visual impact due to the tree type mast blending in with the surrounding environment.
5. 2.4m high galvanised steel palisade fence painted green to provide maximum mitigation of the short to long range visual impact of the telecommunication base station due to the blending capability with the surrounding environment and against the sky background.
6. The height of the mast will optimise the equipment carrying capacity and the quality of the signal transmission range to cater for the residents and general public and has therefore the potential to limit the number of telecommunication masts required in the area and/or prevent the potential future replacement of a lower capacity structure due to increased capacity requirements.
7. The site is designed for use by at least 2 telecommunication service providers. The design of a telecommunication base station to accommodate more than 1 service provider is a mitigation measure to possibly prevent the establishment of additional masts by other operators within the immediate area. The height of the mast is essential to the quality and levels of transmission requirements and to maximise possible sharing capacity.
8. The local electricity supply grid can accommodate the additional load required by the telecommunication base station. The base station design requires a 3-phase electricity supply at a maximum demand of 80A.
9. The level of the overall socio-economic benefit of the mast and the essence thereof to modern telecommunication infrastructure requirements outweighs the overall negative visual impact the infrastructure will have on the direct receiving environment.
10. The mast type will provide maximum mitigation of the visual impact of the proposed mast with specific reference to the characteristics of the receiving environment. The significance of the visual impact is medium due to the tree type mast blending in with the surrounding environment.

Alternative 1:

The impact of the proposed activity will, taking into consideration the implementation of mitigating measures to minimise the negative impacts on the environment, have a positive overall impact.

Physical impacts:

1. The planning & design of the telecommunication mast is considerate of operational and public demand needs and is done on the principle of minimising any negative impacts on the receiving environment.
2. The negative impacts during the construction phase, as indicated earlier in the assessment report, are temporary and will not have a long term effect on the proposed development or immediate area. These impacts will last for a maximum of 6 weeks only.



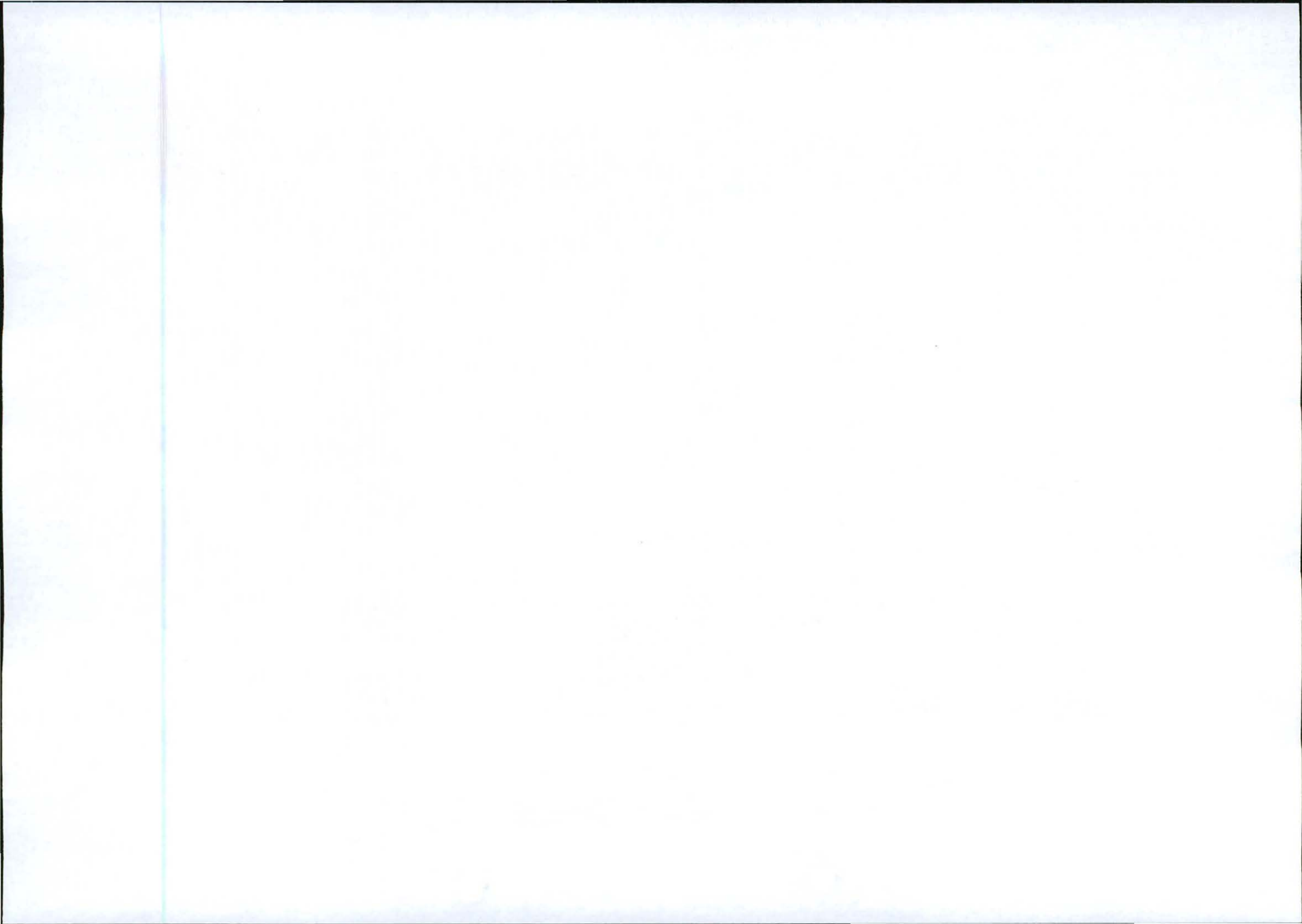
3. The development has a very low impact on the biodiversity of the surrounding and receiving environment. The physical area where the telecommunication mast will be established is already disturbed. Neither does the physical site position have the potential or value to be rehabilitated to a previous natural state. No further expected or proven biological impacts will result from the proposed development.
4. The permanent visual impact of the lattice mast is the highest contributing negative impact of the proposed activity on the receiving environment. 30m Monopole mast painted green provides medium mitigation of the short range visual impact due to the natural green colour, but not maximum mitigation, due to the solid type mast. 30m Monopole mast painted green provides high mitigation of the medium to long range visual impact, due to the colour green being generally more accepted by the general public, but not maximum mitigation due to the solid type mast and the green colour not blending with the sky background.
5. 2.4m high galvanised steel palisade fence painted green to provide high mitigation of the short to long range visual impact of the telecommunication base station due to the transparency of the palisade fence and the natural green colour.
6. The height of the mast will optimise the equipment carrying capacity and the quality of the signal transmission range to cater for the community facility, residents and general public and has therefore the potential to limit the number of telecommunication base stations required in the area and/or prevent the potential future replacement of a lower capacity structure due to increased capacity requirements.
7. The site is designed for use by at least 2 telecommunication service providers. The design of a base station to accommodate more than 1 service provider is a mitigation measure to possibly prevent the establishment of additional masts by other operators within the immediate area. The height of the mast is essential to the quality and levels of transmission requirements and to maximise possible sharing capacity.
8. The local electricity supply grid can accommodate the additional load required by the telecommunication base station. The base station design requires a 3-phase electricity supply at a maximum demand of 80A.
9. The level of the overall socio-economic benefit of the telecommunication mast and the essence thereof to modern telecommunication infrastructure requirements outweighs the overall negative visual impact the infrastructure will have on the direct receiving environment.
10. The mast type will provide high mitigation of the visual impact of the proposed mast with specific reference to the characteristics of the receiving environment. The significance of the visual impact of this mast is medium to high.

Alternative 2

The impact of the proposed activity will, taking into consideration the implementation of mitigating measures to minimise the negative impacts on the environment, have a positive overall impact.

Physical impacts:

1. The planning & design of the telecommunication base station is considerate of operational and public demand needs and is done on the principle of minimising any negative impacts on the receiving environment.
2. The negative impacts during the construction phase, as indicated earlier in the assessment report, are temporary and will not have a long term effect on the proposed development or immediate area. These impacts will last for a maximum of 6 weeks only.
3. The development has a very low impact on the biodiversity of the surrounding and receiving environment. The physical area where the telecommunication mast will be established is already disturbed. Neither does the physical site position have the potential or value to be rehabilitated to a previous natural state. No further expected or proven biological impacts will result from the proposed development.
4. The permanent visual impact of the monopole mast is the highest contributing negative impact of the proposed activity on the receiving environment. 30m unpainted (galvanized) monopole mast provides medium mitigation of the short range visual impact due to the less 'industrial' looking design. The unpainted (galvanized) monopole mast provides high mitigation of the medium to long range visual impact due to the colour of the mast blending with the sky background, but not maximum mitigation due to the solid type structure being visible from a longer distance than a lattice mast.
5. 2.4m high galvanised steel palisade fence to provide maximum mitigation of the short to long range visual impact of the telecommunication base station due to the blending capability with the surrounding environment and against the sky background.
6. The height of the mast will optimise the equipment carrying capacity and the quality of the signal transmission range to cater for the community facility, residents and general public and has therefore the potential to limit the number of telecommunication masts required in the area and/or prevent the potential future replacement of a lower capacity structure due to increased capacity requirements.
7. The site is designed for use by at least 2 telecommunication service providers. The design of a base station to accommodate more than 1 service provider is a mitigation measure to possibly prevent the establishment of additional masts by other operators within the immediate area. The height of the mast is essential to the quality and levels of transmission requirements and to maximise possible sharing capacity.
8. The local electricity supply grid can accommodate the additional load required by the telecommunication base station. The base station design requires a 3-phase electricity supply at a maximum demand of 80A.
9. The level of the overall socio-economic benefit of the telecommunication mast and the essence thereof to modern telecommunication infrastructure requirements outweighs the overall negative visual impact the infrastructure will have on the direct receiving environment.
10. The mast type will provide medium mitigation of the visual impact of the proposed mast with specific reference to the characteristics of the receiving environment. The significance of the visual impact is high.



BASIC ASSESSMENT REPORT [REGULATION 22(1)]

No-go (compulsory)

1. If the activity does not take place, Vodacom (Pty) Ltd will not be in a position to fulfil certain commitments in terms of their license conditions, as issued by government, within the specific target area in question. This will implicate an incomplete network hampering and restricting communication quality and quantity on the network.
2. The status quo will remain which defeats the objective of the planned activity.

6. IMPACT SUMMARY OF THE PROPOSAL OR PREFERRED ALTERNATIVE

For proposal:

The biophysical impacts of the masts have very low significance and the socio-economic impacts have a higher significance of which the most prominent is the visual impact. The visual impact can however be mitigated to an acceptable level due to the blending capability of the tree type mast within the specific environment.

For alternative:

-

Having assessed the significance of impacts of the proposal and alternative(s), please provide an overall summary and reasons for selecting the proposal or preferred alternative.

The alternatives for this activity are based on mitigating the visual impact:

- A tree type mast provides maximum mitigation of the short to long range visual impacts due to the blending capability of the mast with the surrounding vegetation and environment;
- A monopole mast painted green were included in the assessment as an alternative due to the colour green being generally more accepted by the general public. The colour green will be more visible over a longer distance and therefore, although acceptable, is not the best alternative to mitigate the most significant impact of the mast;
- An unpainted (galvanized) monopole mast is a feasible option however it will have a higher visual impact than a tree type mast and a monopole mast painted green, due to it not blending with the environment as well as the other two alternatives;
- Due to the proposal having the lowest visual impact in the specific environment, a tree type mast is recommended; and
- All other impacts caused by the masts are similar for the Proposal and the two alternatives.

7. RECOMMENDATION OF PRACTITIONER

Is the information contained in this report and the documentation attached hereto sufficient to make a decision in respect of the activity applied for (in the view of the Environmental Assessment Practitioner).

YES	NO
-----	----

If "NO", indicate the aspects that require further assessment before a decision can be made (list the aspects that require further assessment):

-

If "YES", please list any recommended conditions, including mitigation measures that should be considered for inclusion in any authorisation that may be granted by the competent authority in respect of the application:

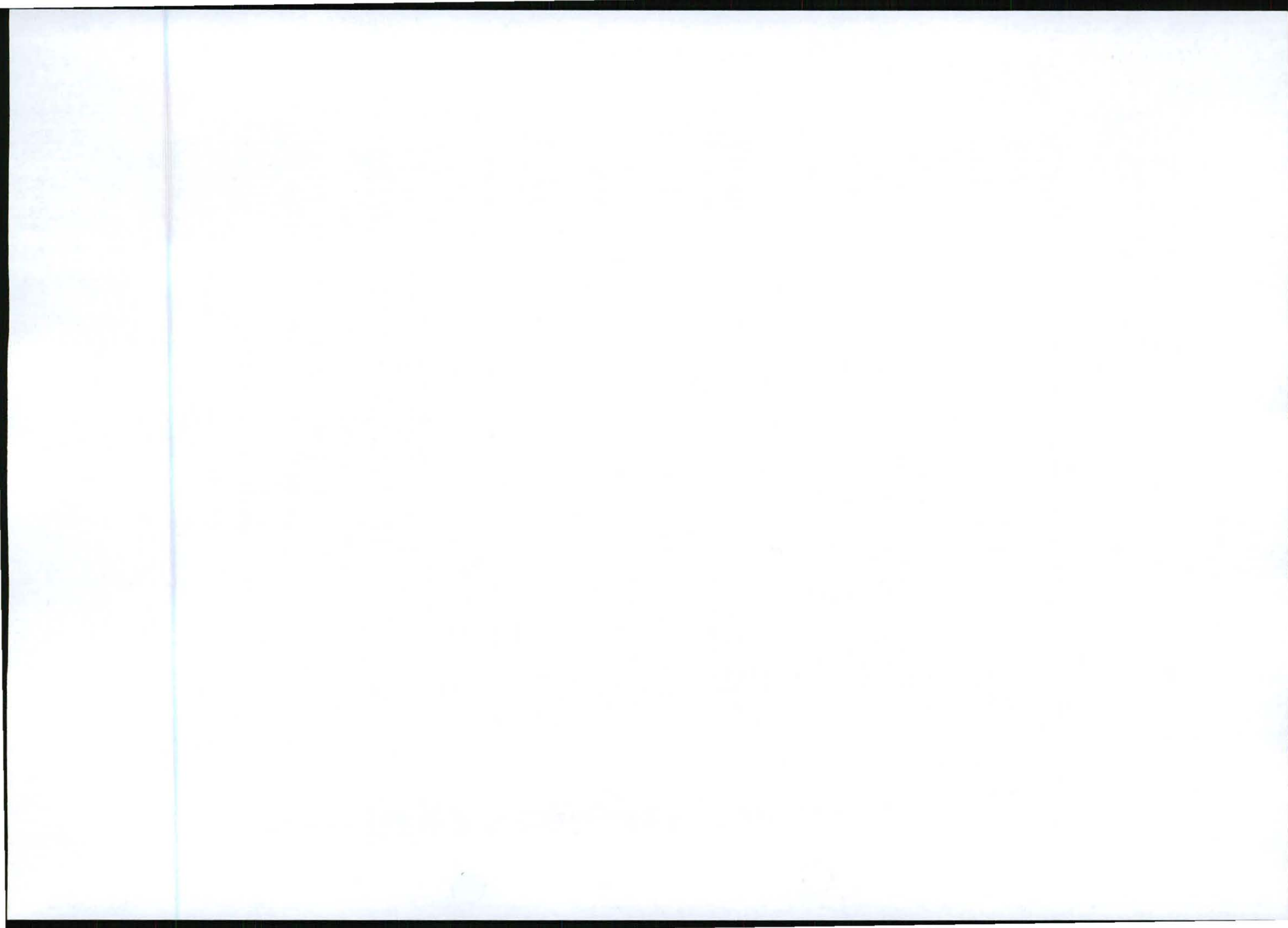
1. 30m High tree type mast (Proposal) to be erected at the position marked as "Proposal" on the attached plans, on the remaining extent of Portion 192 of the Farm Wilgespruit 190 IQ. To be known as: Erf 1559 Wilgeheuwel Extension 36.
2. Construction only to take place within normal daytime working hours.
3. Measures to be implemented to prevent unauthorised access to the construction site.
4. Dust suppression measures to be implemented during earthworks.
5. Appropriate arrangements to be made with the property owner for the use of existing sanitation facilities by construction workers or otherwise for the provision of chemical toilets during the construction phase.
6. Top soil to be stored separately for appropriate landscaping distribution on completion of construction.
7. Required electricity connection point and route to be finalised in consultation with the local electricity authority.
8. The EMPr and all mitigation measures provided in this report must be implemented and monitored.

8. ENVIRONMENTAL MANAGEMENT PROGRAMME (EMPr)

If the EAP answers yes to Point 7 above then an EMPr is to be attached to this report as an Appendix

EMPr attached

Yes



SECTION F: APPENDIXES

The following appendixes must be attached as appropriate:

It is required that if more than one item is enclosed that a table of contents is included in the appendix

Appendix A: Site plan(s)

Appendix B: Photographs

Appendix C: Facility illustration(s)

Appendix D: Route position information

Appendix E: Public participation information

Appendix F: Water use license(s) authorisation, SAHRA information, service letters from municipalities, water supply information

Appendix G: Specialist reports

Appendix H: EMPr

Appendix I: Other information

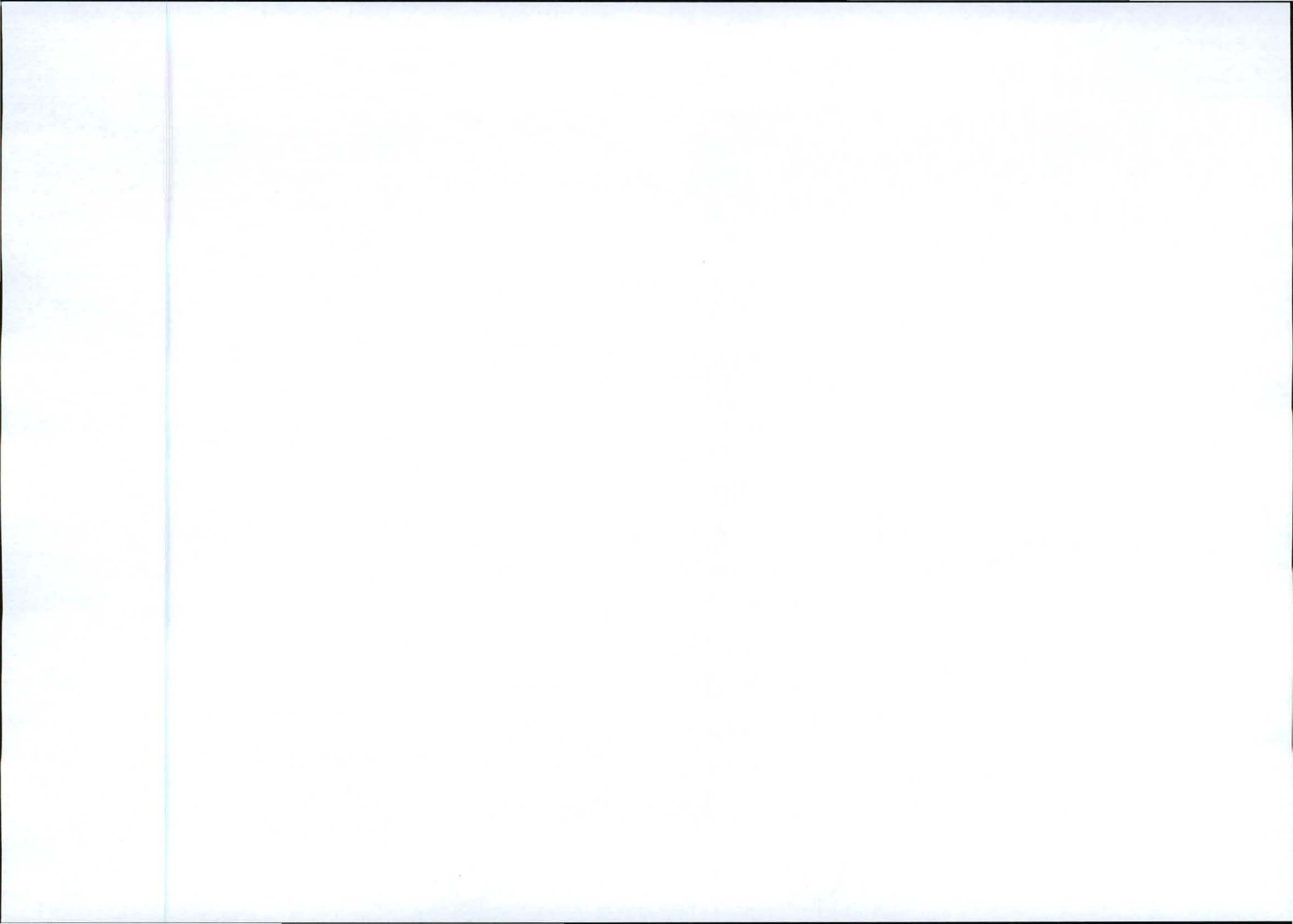
CHECKLIST

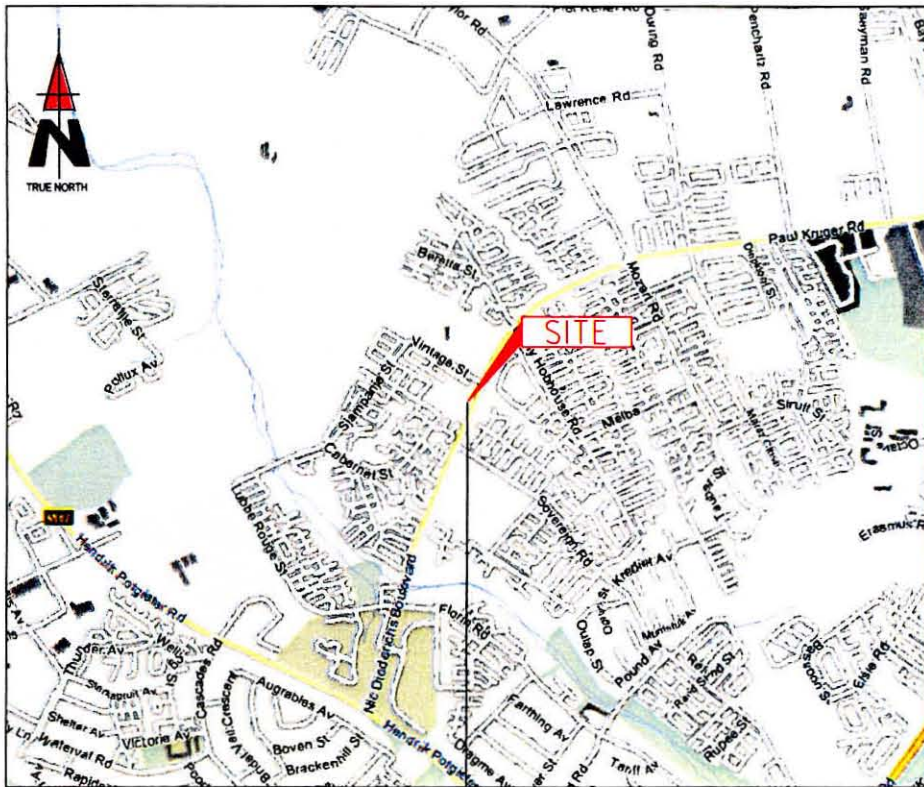
To ensure that all information that the Department needs to be able to process this application, please check that:

- Where requested, supporting documentation has been attached;
- All relevant sections of the form have been completed; and



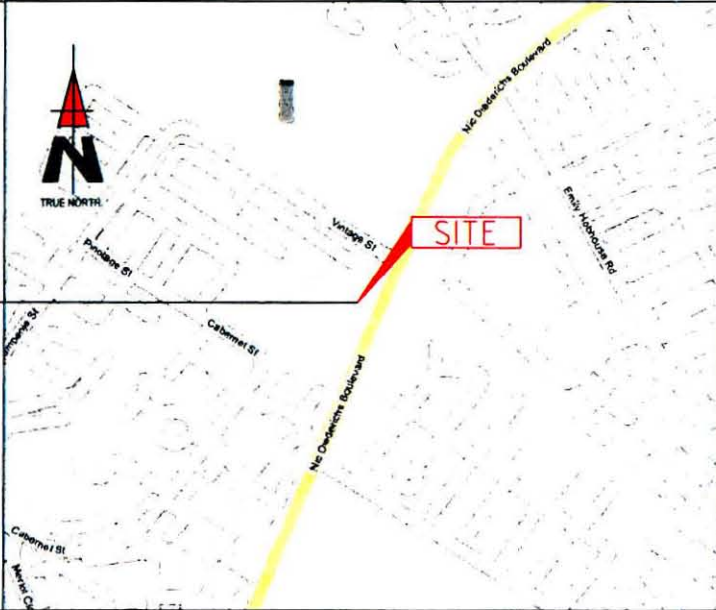
Appendix A: Site Plans





BS21165

VINTAGE STREET



SITE NAME: **VINTAGE STREET**

BASE STATION NUMBER: **BS21165**

REV	DATE	BY	DESCRIPTION
0	26/08/2011	HM	FIRST ISSUE

NOTES:
OWNER: G.A NOORTMAN (TBC)

STRICTLY COMPANY CONFIDENTIAL

PROPERTY DESCRIPTION:
REMAINING EXTENT OF PORTION 192 OF THE FARM WILGESPRUIT 190 IQ

COORDINATES:
LAT : 28° 06' 17.99" S
LONG : 27° 53' 55.91" E

PROJECT:
NEW 8x8m TELECOMMUNICATION BASESTATION WITH A 30m MAST FOR VODACOM (PTY) LTD

ADDRESS:
CORNER VINTAGE STREET AND NIC DIEDERICHS ROAD,
WILGEHEUWEL,
JOHANNESBURG,
GAUTENG



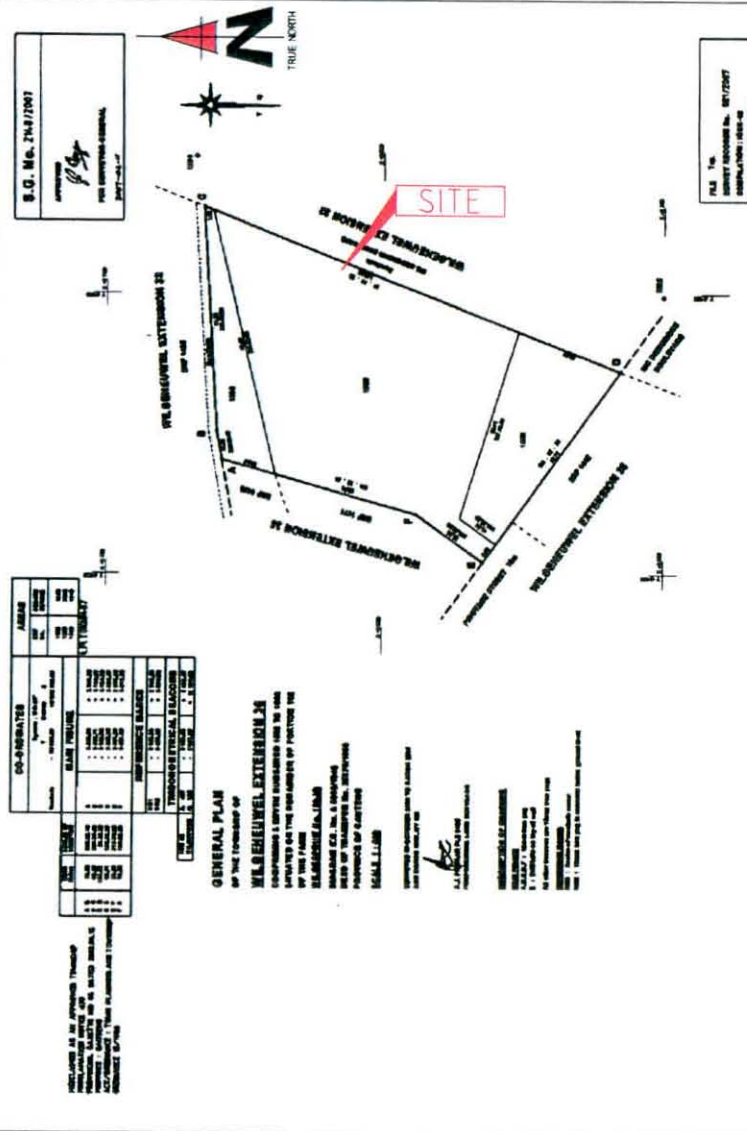
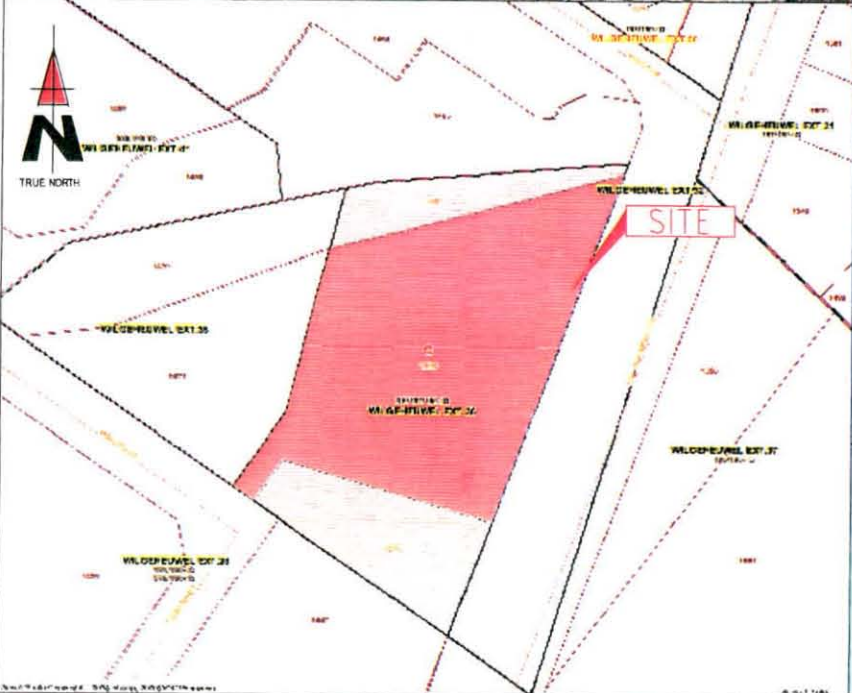
414 Rustik Road Silvertondale 0184
Tel: +27 (12) 804 1504/6
Fax: +27 (12) 804 7072
admin@torbiousolutions.co.za

P.O. Box 32017 Totiusdal 0134

DRAWN: HENDRICK MAKINTA DATE: 26/08/2011
SCALE: NTS REF. NO: 828/21165

LOCALITY MAP
SHEET 1 OF 14





B.C. No. 216/2007	
HENDRICK MAKINTA CIVIL ENGINEER (S.A.) REG. NO. 12345	
P.L. No. 12345 PROJECT NUMBER: 12345 DATE: 26/08/2011	



SITE NAME: VINTAGE STREET			
BASE STATION NUMBER: BS21165			
REV	DATE	BY	DESCRIPTION
0	26/08/2011	HM	FIRST ISSUE

NOTES:
OWNER: G.A. NOORTMAN (TBC)

STRICTLY COMPANY CONFIDENTIAL

PROPERTY DESCRIPTION:
REMAINING EXTENT OF PORTION 192 OF THE FARM
WILGHEUWEL 190 KD

COORDINATES:
LAT : 28° 06' 17.99" S
LONG : 27° 53' 55.91" E

PROJECT:
NEW 6x6m TELECOMMUNICATION BASESTATION
WITH A 30m MAST FOR VODACOM (PTY) LTD

ADDRESS:
CORNER VINTAGE STREET AND NIC DEDERICH ROAD,
WILGHEUWEL,
JOHANNESBURG,
GAUTENG

TORBIOUSE SOLUTIONS

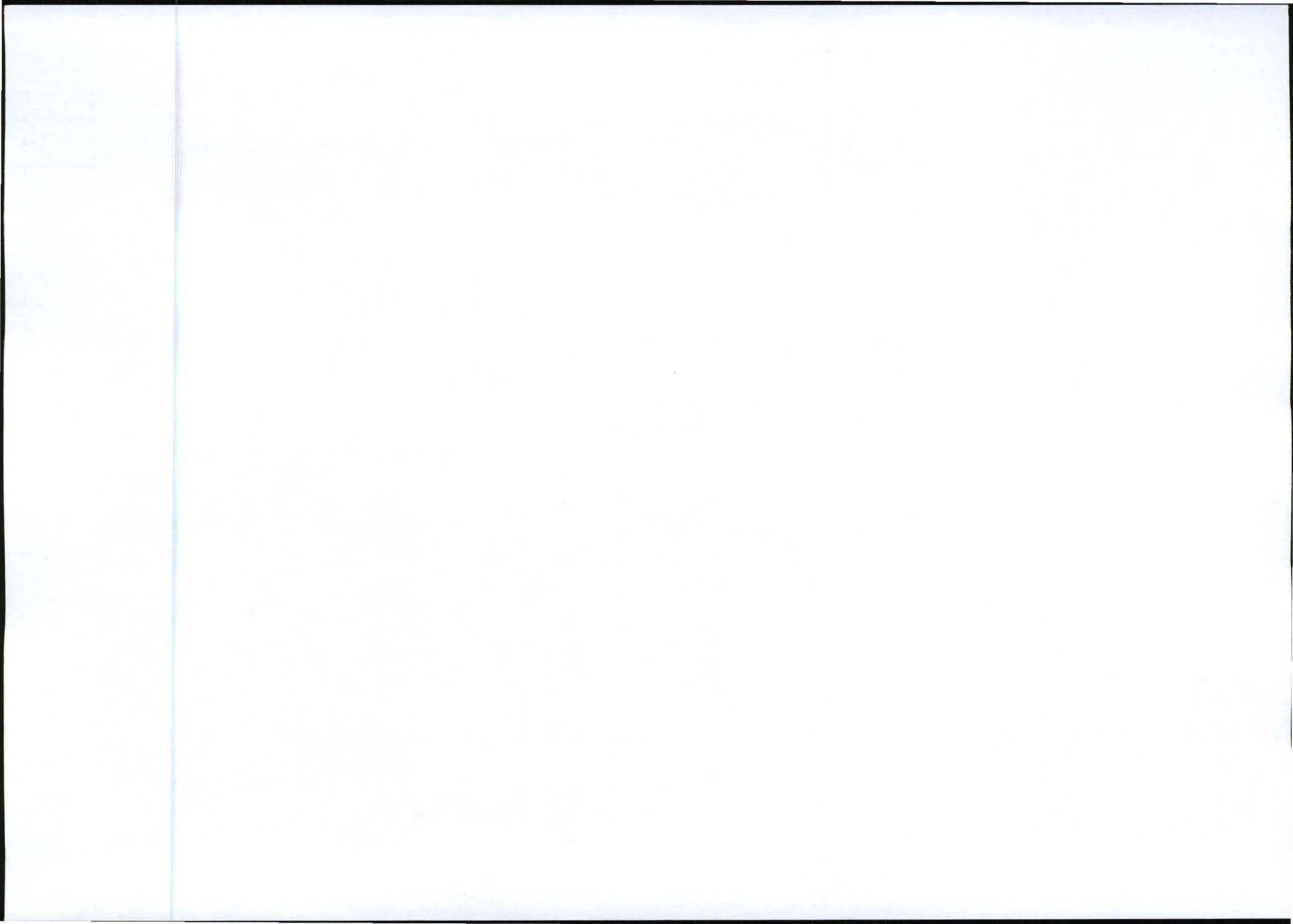
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Silvertondale
0184

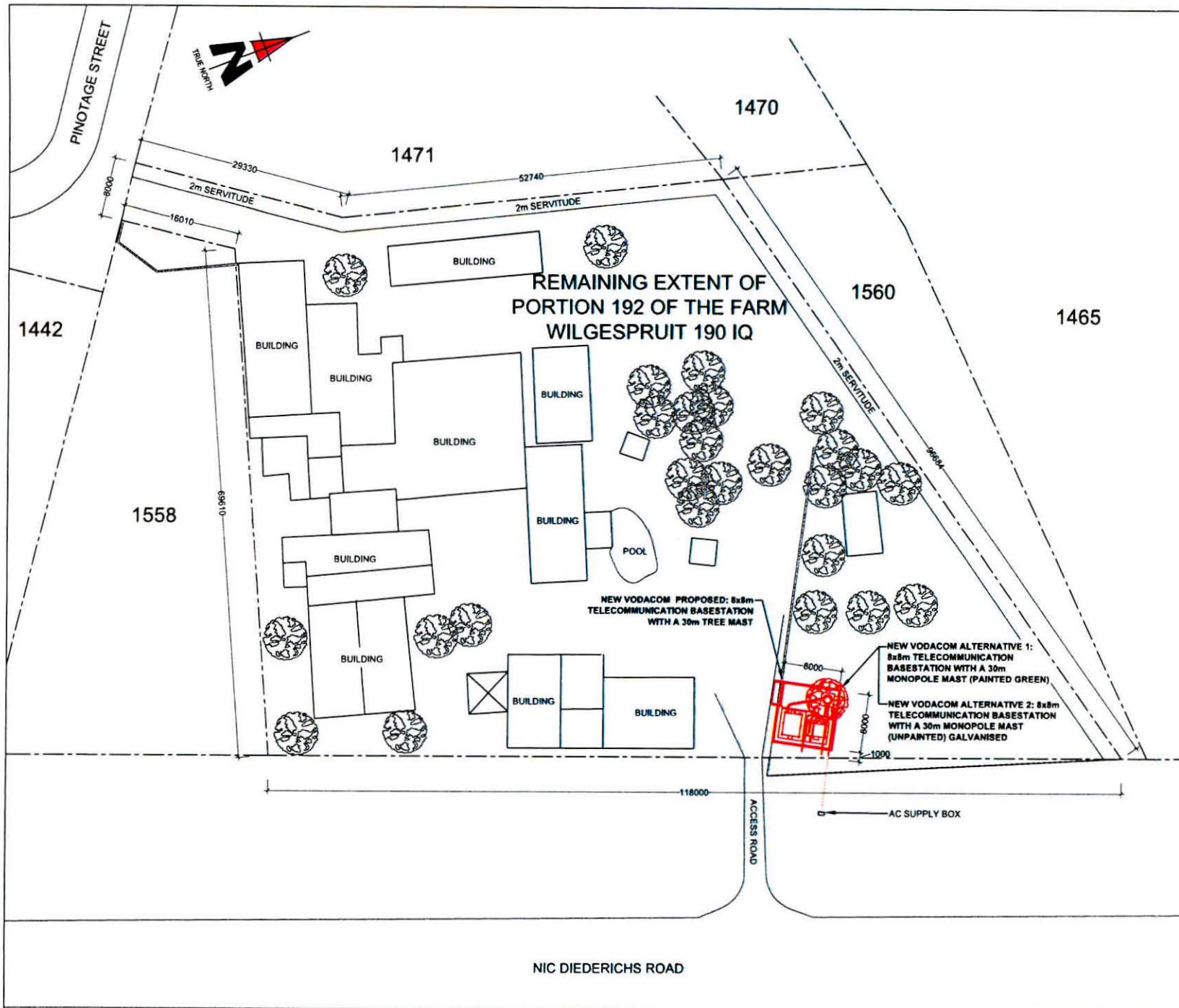
Tel: +27 (12) 804 1066
Fax: +27 (12) 804 7072
admin@torbiousolutions.co.za

P.O. Box 32017
Tollfree
0134

DRAWN: HENDRICK MAKINTA	DATE: 26/08/2011
SCALE: NTS	REF. NO. 829/21165

CADASTRAL INFO
SHEET 2 OF 14





SITE NAME: VINTAGE STREET

BASE STATION NUMBER: BS21165

REV	DATE	BY	DESCRIPTION
0	26/08/2011	HM	FIRST ISSUE

NOTES:
OWNER: G.A. NOORTMAN (TBC)

STRICTLY COMPANY CONFIDENTIAL
PROPERTY DESCRIPTION:
REMAINING EXTENT OF PORTION 192 OF THE FARM WILGESPRUIT 190 IQ

COORDINATES:
LAT : 26° 06' 17.99" S
LONG : 27° 53' 55.91" E

PROJECT:
NEW 8x8m TELECOMMUNICATION BASESTATION WITH A 30m MAST FOR VODACOM (PTY) LTD

ADDRESS:
CORNER VINTAGE STREET AND NIC DIEDERICHS ROAD, WILGEHEUWEL, JOHANNESBURG, GAUTENG

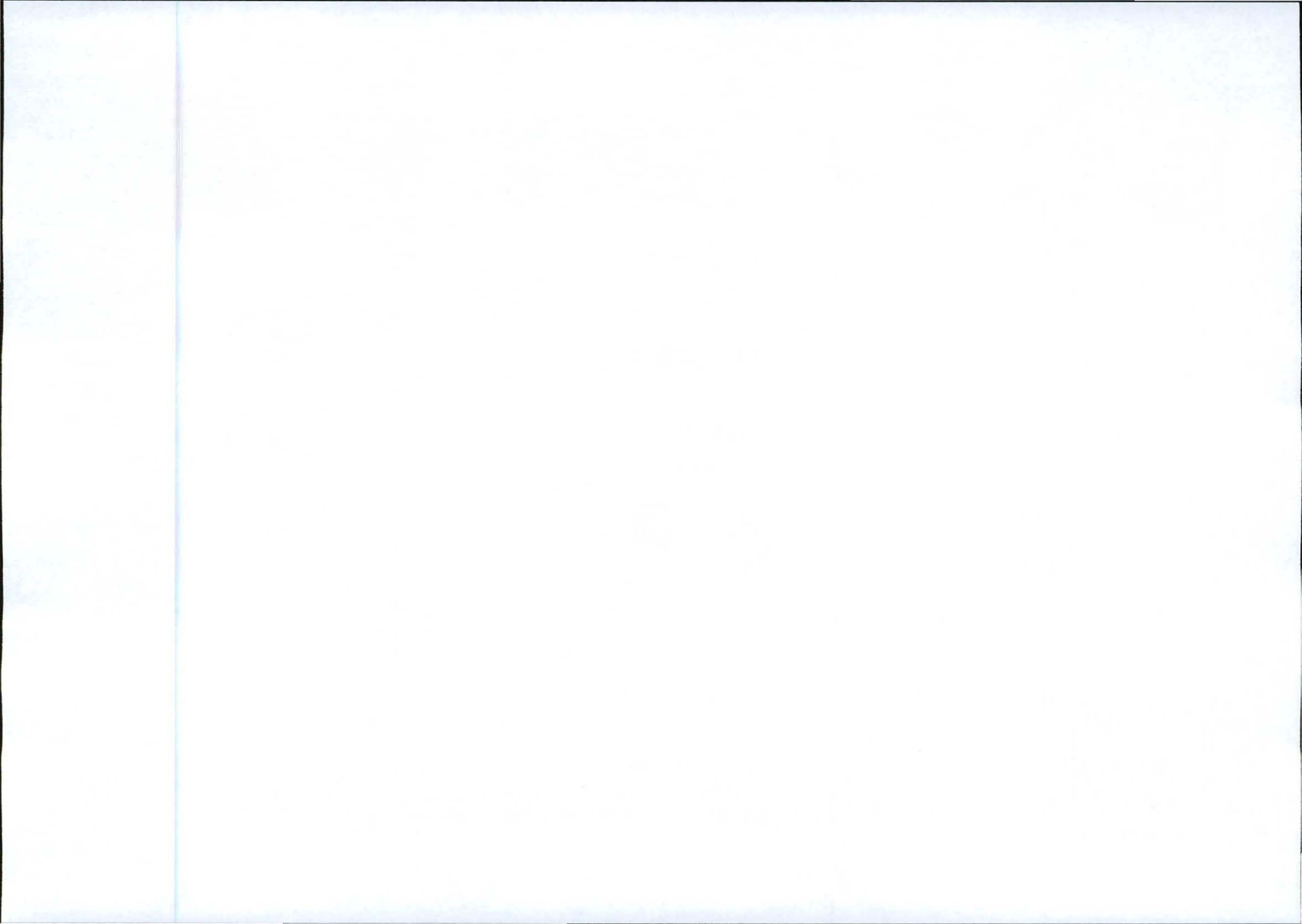


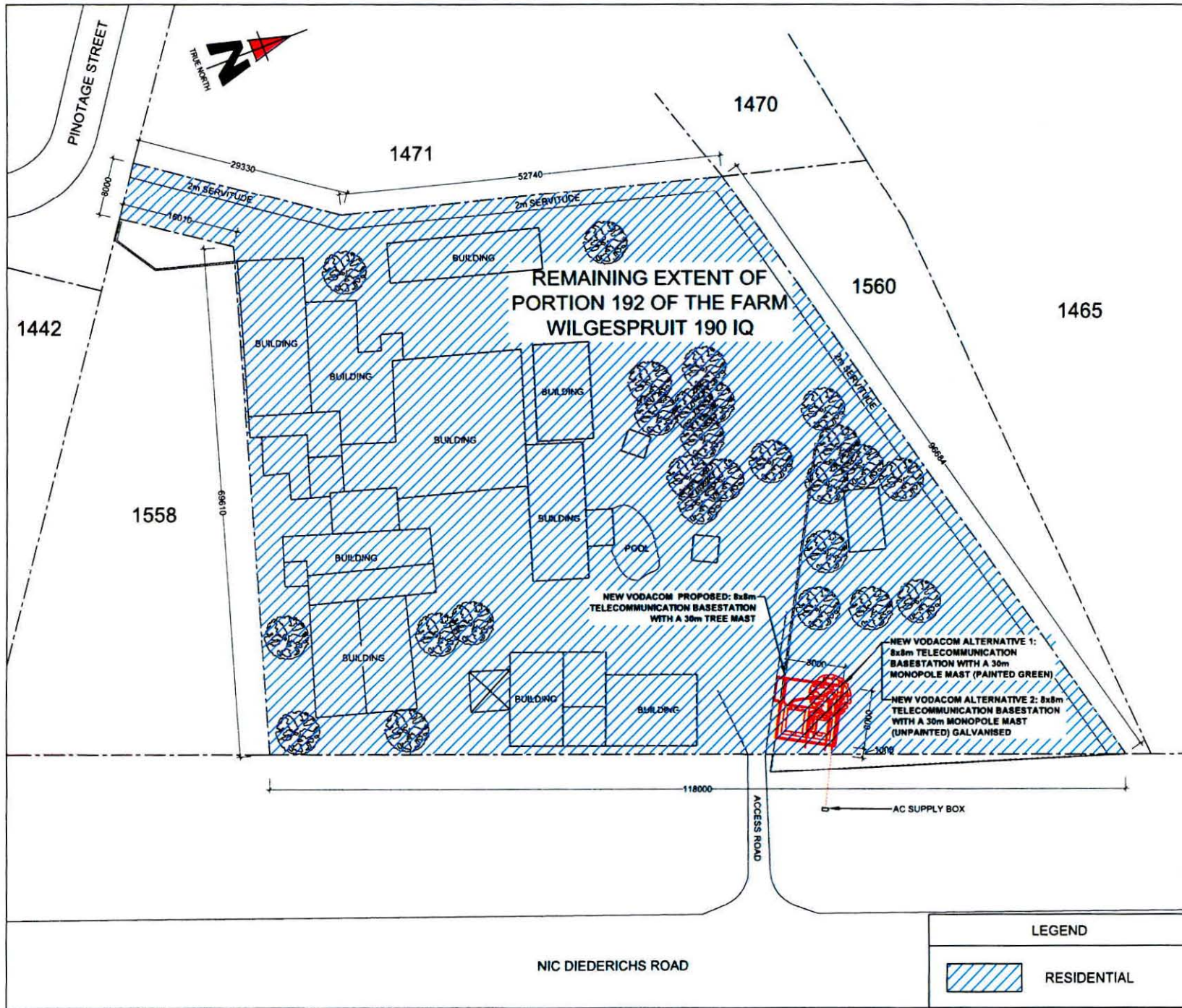
414 Rustic Road Silvertondale 0184
Tel: +27 (12) 804 1504/6
Fac: +27 (12) 804 7072
admin@torbiousesolutions.co.za

P.O. Box 32017 Tsoelike 0134

DRAWN: HENDRICK MAKINTA DATE: 26/08/2011
SCALE: 1:500 REF. NO: 828/21165

SITE DEVELOPMENT PLAN
SHEET 3 OF 14





SITE NAME: **VINTAGE STREET**

BASE STATION NUMBER: **BS21165**

REV	DATE	BY	DESCRIPTION
0	26/08/2011	HM	FIRST ISSUE

NOTES:
OWNER: G.A. NOORTMAN (TBC)

STRICTLY COMPANY CONFIDENTIAL

PROPERTY DESCRIPTION:
REMAINING EXTENT OF PORTION 192 OF THE FARM WILGESPRUIT 190 IQ

COORDINATES:
LAT : 26° 06' 17.99" S
LONG : 27° 53' 55.91" E

PROJECT:
NEW 8x8m TELECOMMUNICATION BASESTATION WITH A 30m MAST FOR VODACOM (PTY) LTD

ADDRESS:
CORNER VINTAGE STREET AND NIC DIEDERICHS ROAD, WILGHELUWEL, JOHANNESBURG, GAUTENG

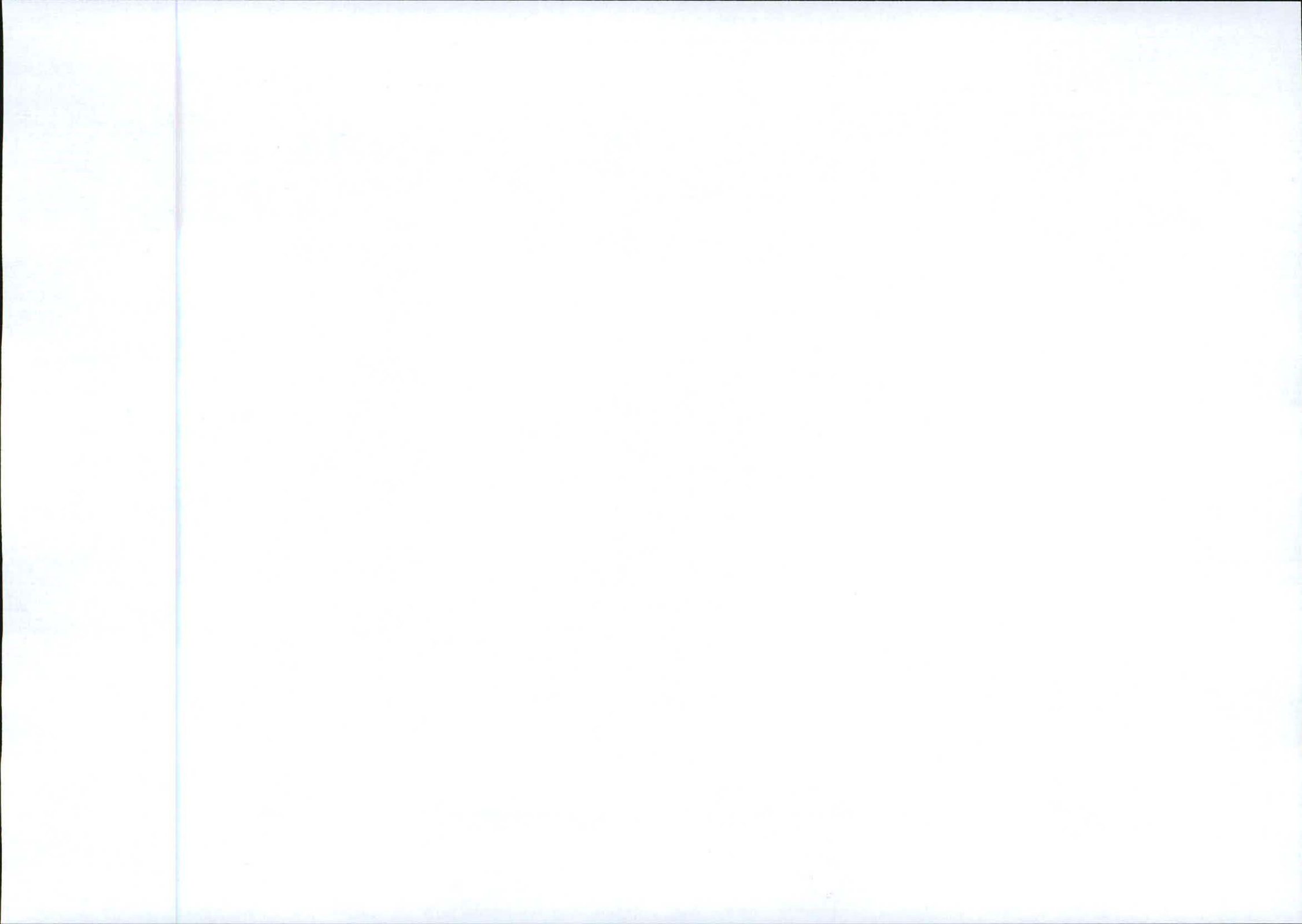


414 Rustic Road Silvertordale 0184
Tel: +27 (12) 804 1504/6 Fax: +27 (12) 804 7072
P.O. Box 32017 Tokusdal 0134
admin@torbiousesolutions.co.za

DRAWN: HENDRICK MAKINTA DATE: 26/08/2011

SCALE: 1:500 REF. NO: 828/21165

ZONING MAP
SHEET 4 OF 14





SITE NAME: VINTAGE STREET
 BASE STATION NUMBER: BS21165

REV	DATE	BY	DESCRIPTION
0	26/08/2011	HM	FIRST ISSUE

NOTES:
 OWNER: G.A. NOORTMAN (TBC)

STRICTLY COMPANY CONFIDENTIAL
 PROPERTY DESCRIPTION:
 REMAINING EXTENT OF PORTION 192 OF THE FARM WILGESPRUIT 190 IQ

COORDINATES:
 LAT : 26° 06' 17.99" S
 LONG : 27° 53' 55.91" E

PROJECT:
 NEW 8x8m TELECOMMUNICATION BASESTATION WITH A 30m MAST FOR VODACOM (PTY) LTD

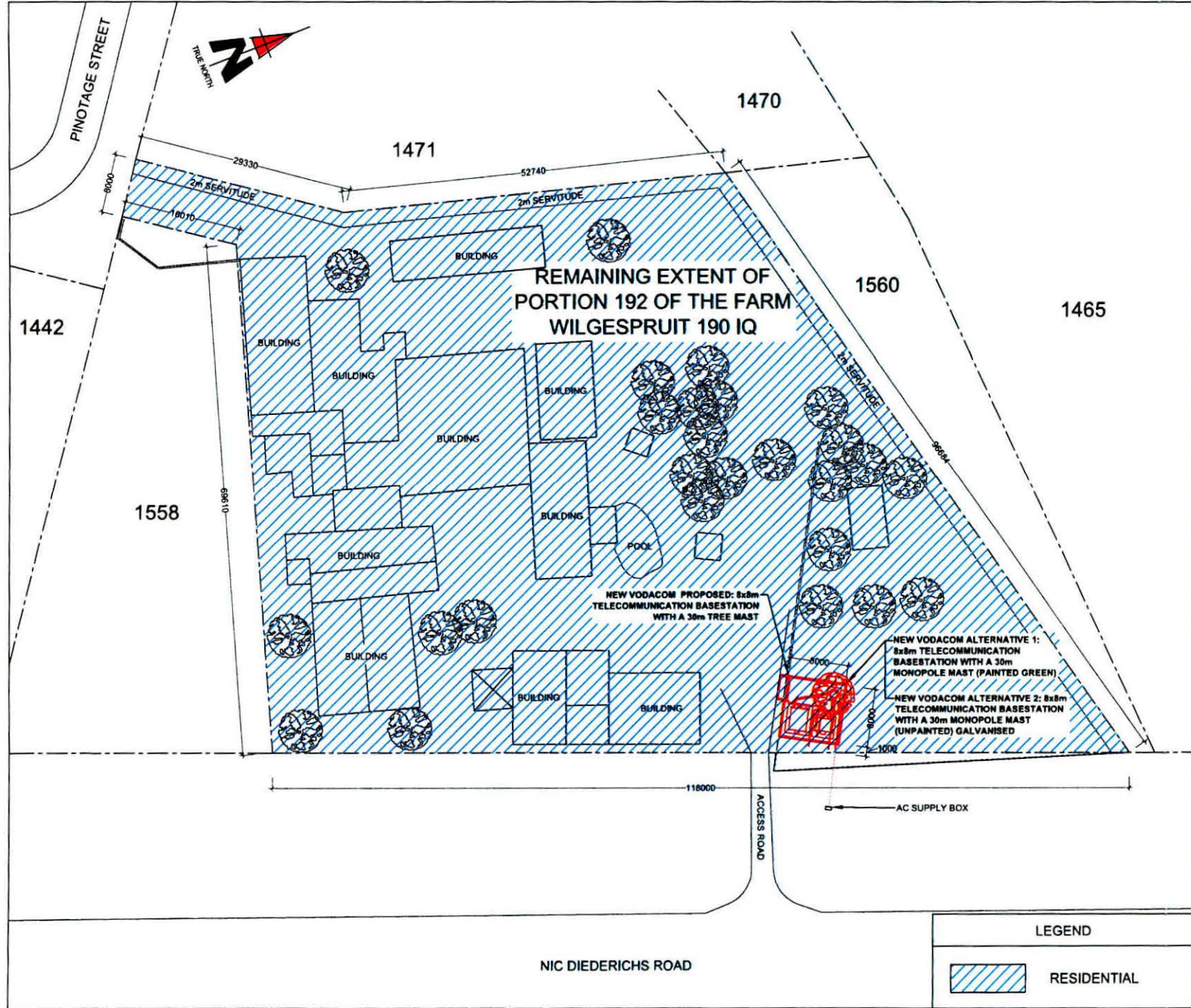
ADDRESS:
 CORNER VINTAGE STREET AND NIC DIEDERICH ROAD,
 WILGHEUWEL,
 JOHANNESBURG,
 GAUTENG



414 Rustic Road Tel: +27 (12) 804 1504/6 P.O. Box 32017
 Silvertondale Fax: +27 (12) 804 7072 ToUsudai
 0184 adm@torbiousesolutions.co.za 0134

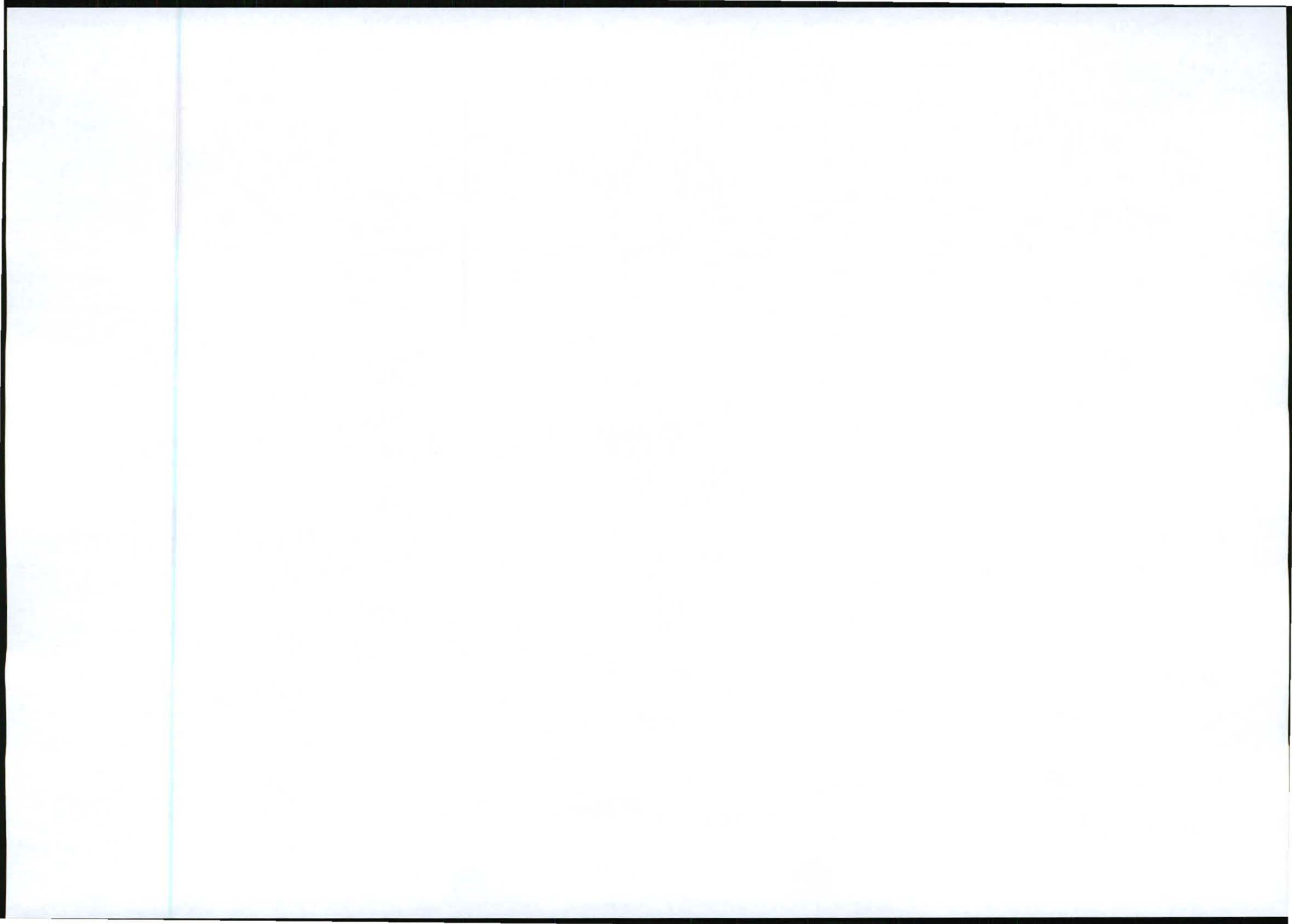
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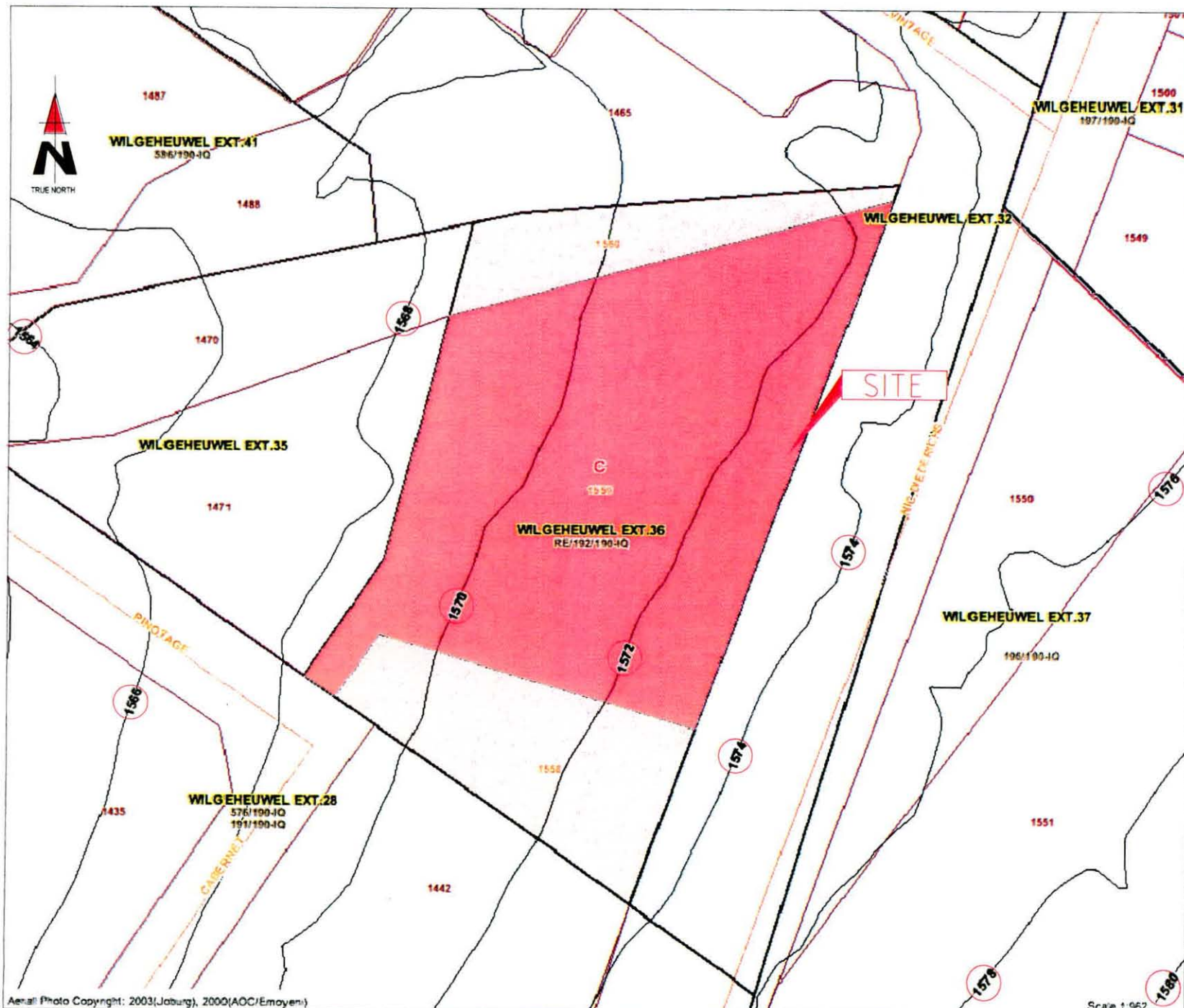
CURRENT LAND USE
 SHEET 5 OF 14



LEGEND

	RESIDENTIAL
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SITE NAME: VINTAGE STREET
 BASE STATION NUMBER: BS21165

REV	DATE	BY	DESCRIPTION
0	26/08/2011	HM	FIRST ISSUE

NOTES:
 OWNER: G A NOORTMAN (TBC)

STRICTLY COMPANY CONFIDENTIAL

PROPERTY DESCRIPTION:
 REMAINING EXTENT OF PORTION 192 OF THE FARM WILGESPRUIT 190 IQ

COORDINATES:
 LAT : 26° 06' 17.99" S
 LONG : 27° 53' 55.91" E

PROJECT:
 NEW 8x8m TELECOMMUNICATION BASESTATION WITH A 30m MAST FOR VODACOM (PTY) LTD

ADDRESS:
 CORNER VINTAGE STREET AND NIC DIEDERICHS ROAD, WILGEHEUWEL, JOHANNESBURG, GAUTENG



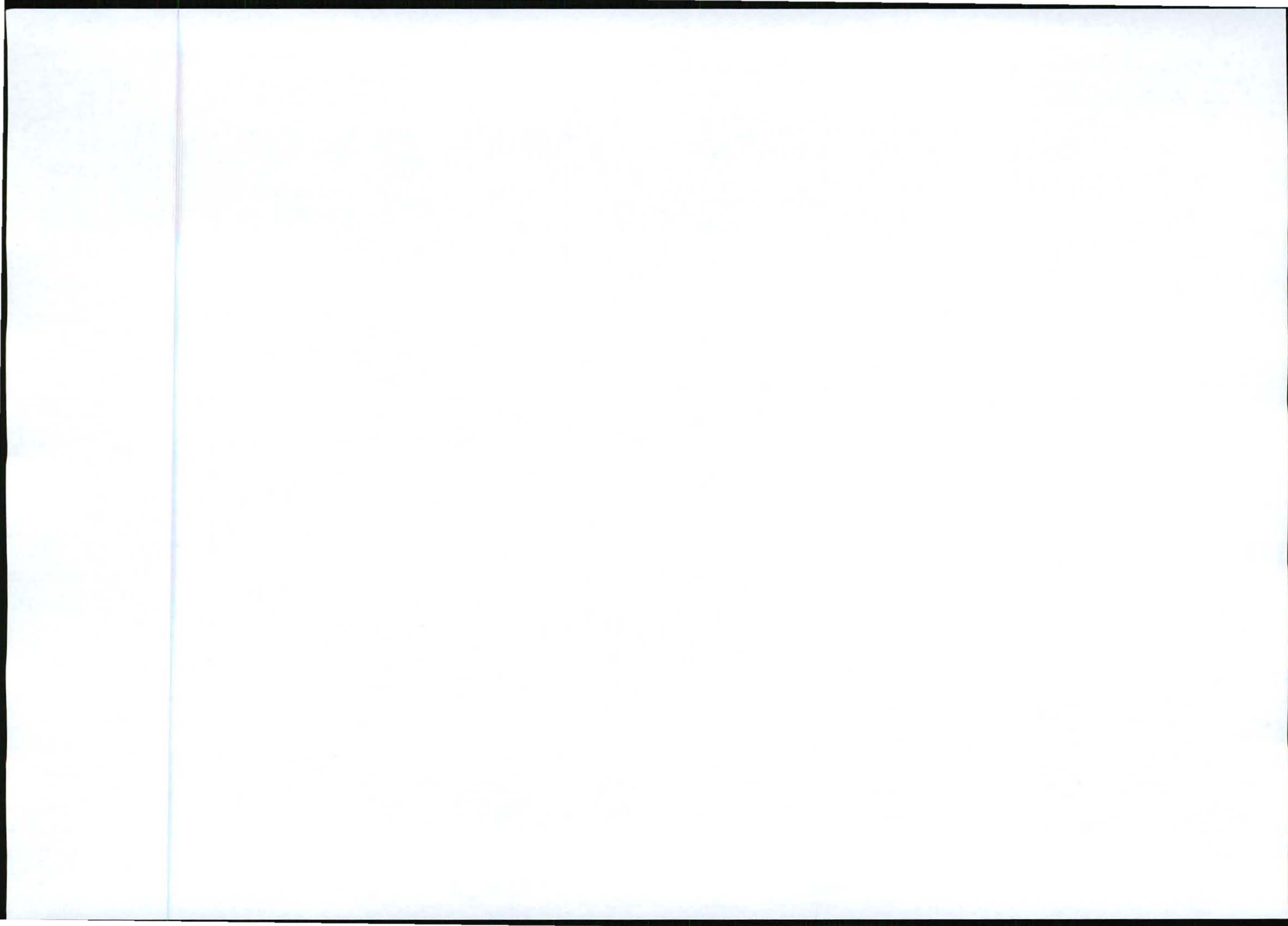
414 Rustic Road Silvertondale 0184
 Tel: +27 (12) 804 1504/5
 Fax: +27 (12) 804 7072
 P.O. Box 32017 Totterdail 0134
 admin@torbiousolutions.co.za

DRAWN: HENDRICK MAKINTA DATE: 26/08/2011
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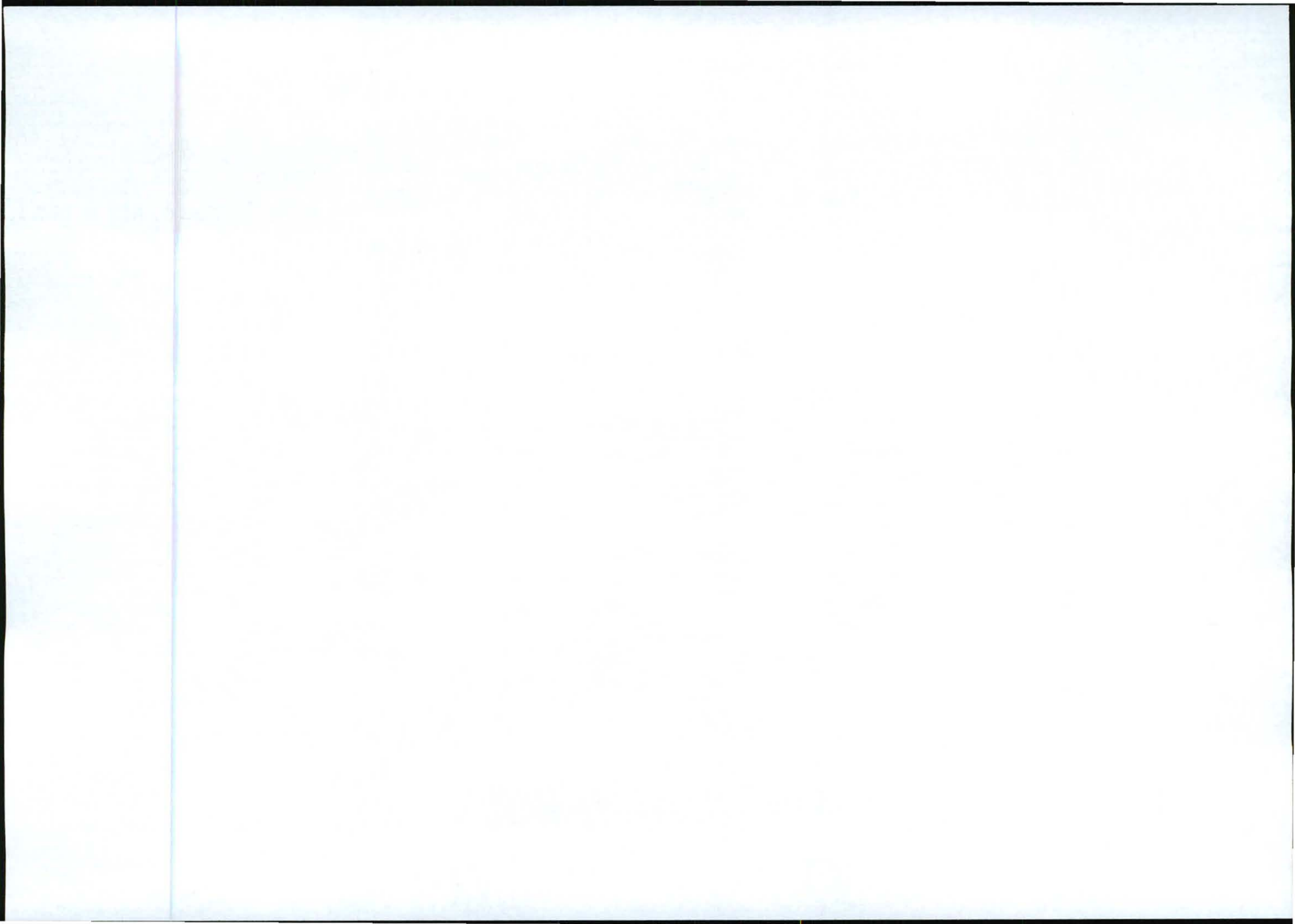
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 SHEET 6 OF 14

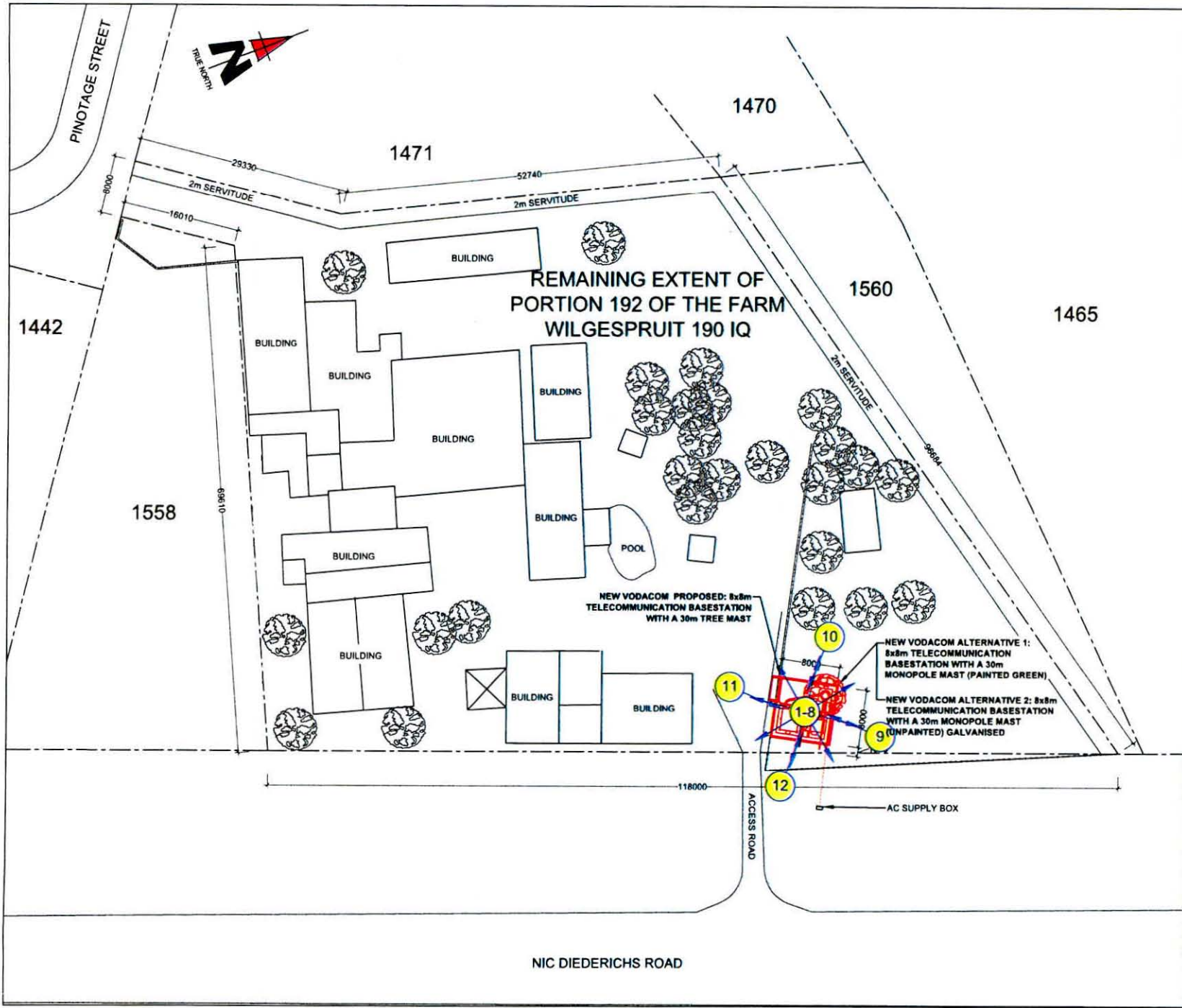
Aerial Photo Copyright: 2003(Jaburg), 2000(AOC/Emoyen)

Scale 1:952



Appendix B: Site Photographs





SITE NAME: **VINTAGE STREET**

BASE STATION NUMBER: **BS21165**

REV	DATE	BY	DESCRIPTION
0	26/08/2011	HM	FIRST ISSUE

NOTES:
OWNER: G.A NOORTMAN (TBC)

STRICTLY COMPANY CONFIDENTIAL

PROPERTY DESCRIPTION:
REMAINING EXTENT OF PORTION 192 OF THE FARM WILGESPRUIT 190 IQ

COORDINATES:
LAT : 26° 06' 17.99" S
LONG : 27° 53' 55.91" E

PROJECT:
NEW 8x8m TELECOMMUNICATION BASESTATION WITH A 30m MAST FOR VODACOM (PTY) LTD

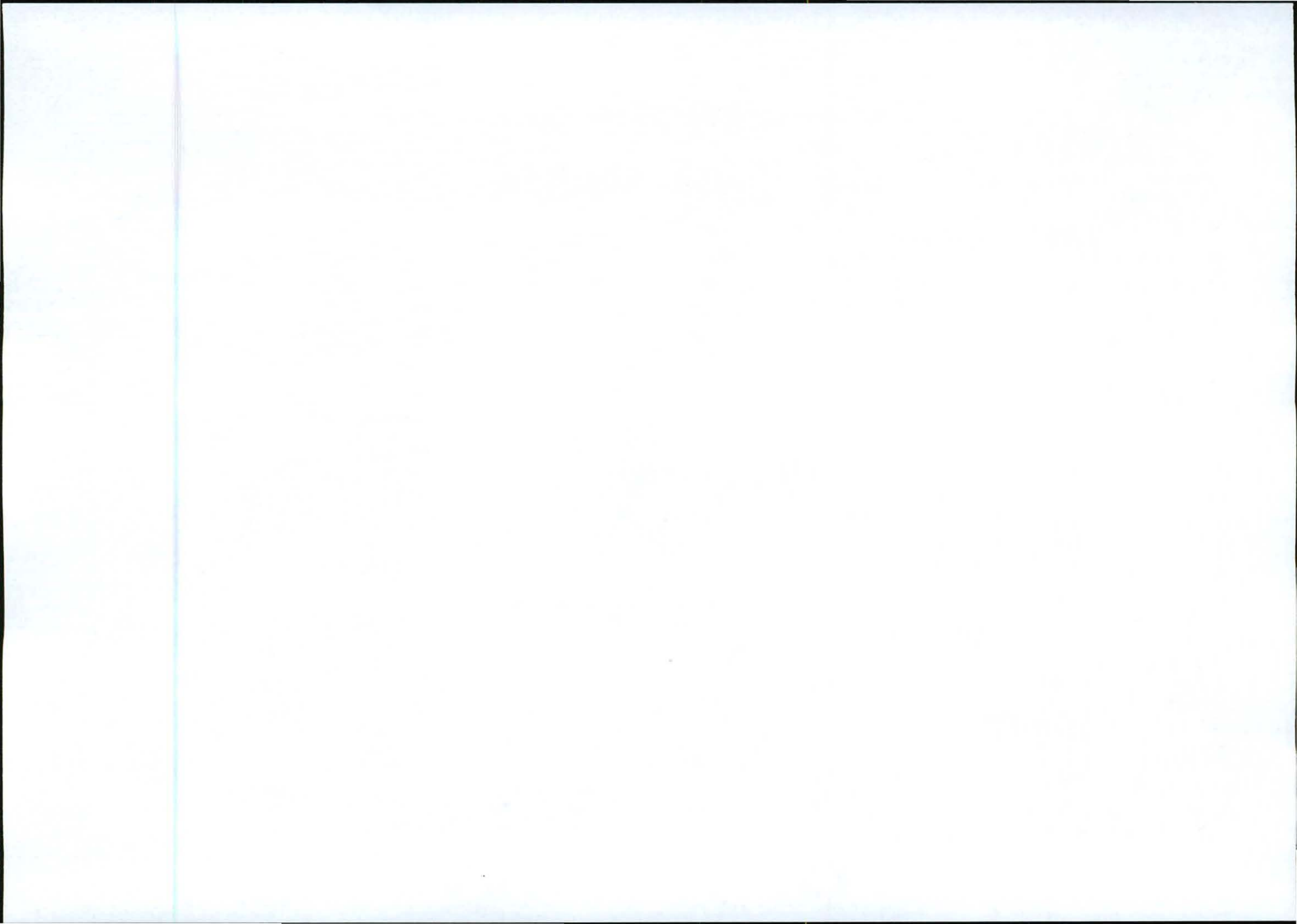
ADDRESS:
CORNER VINTAGE STREET AND NIC DIEDERICHS ROAD, WILGEHEUWEL, JOHANNESBURG, GAUTENG



414 Rustic Road Silvertondale 0184
Tel. +27 (12) 804 1504/6 Fax: +27 (12) 804 7072 admin@torbiouse.co.za
P.O. Box 32017 Tokusdal 0134

DRAWN: HENDRICK MAKINTA DATE: 26/08/2011
SCALE: 1:500 REF. NO: 828/21165

SITE PHOTOGRAPHS
SHEET 7 OF 14



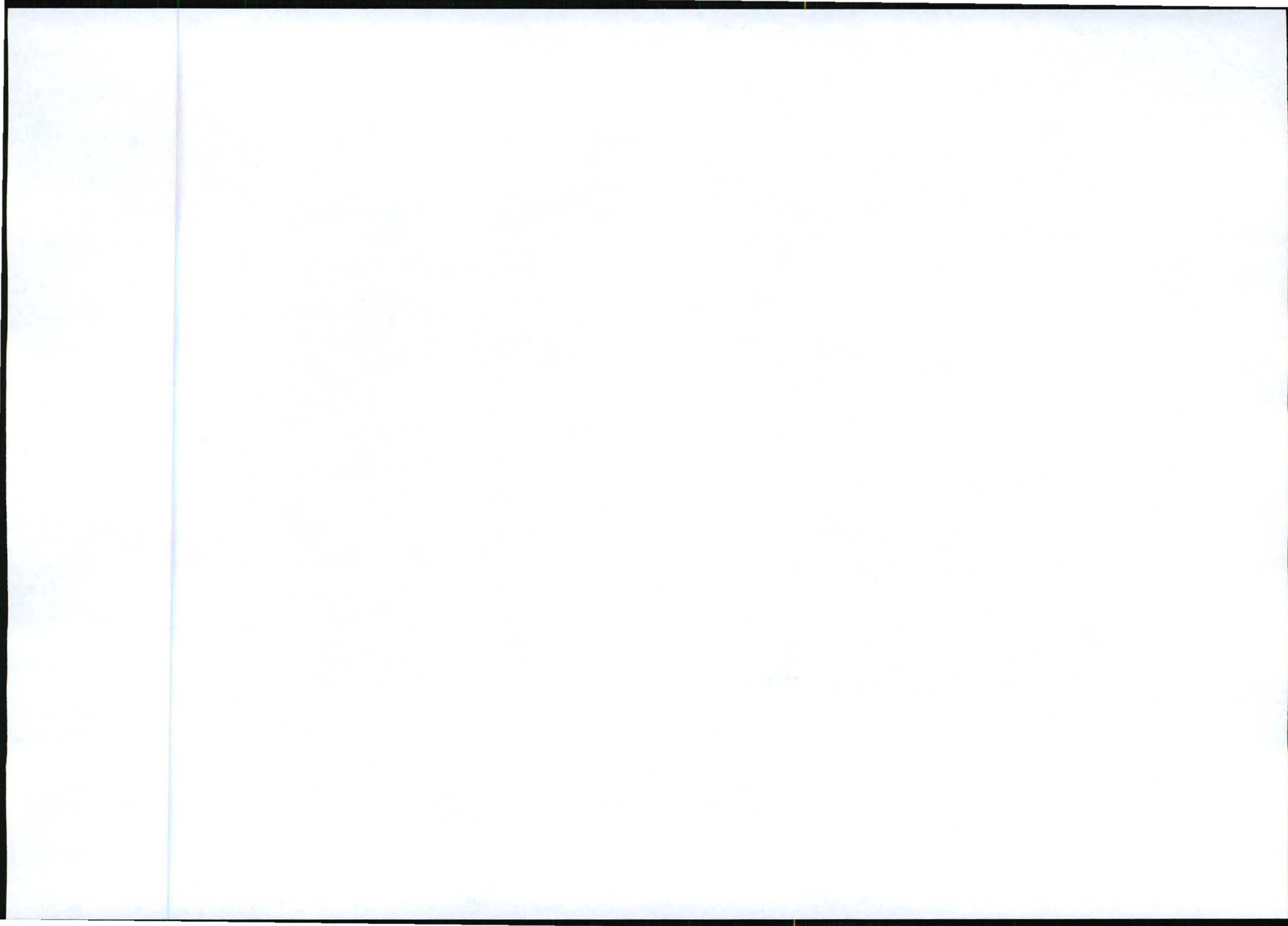
SITE PHOTOGRAPHS



1. Panoramic view from the site direction North



2. Panoramic view from the site direction North East



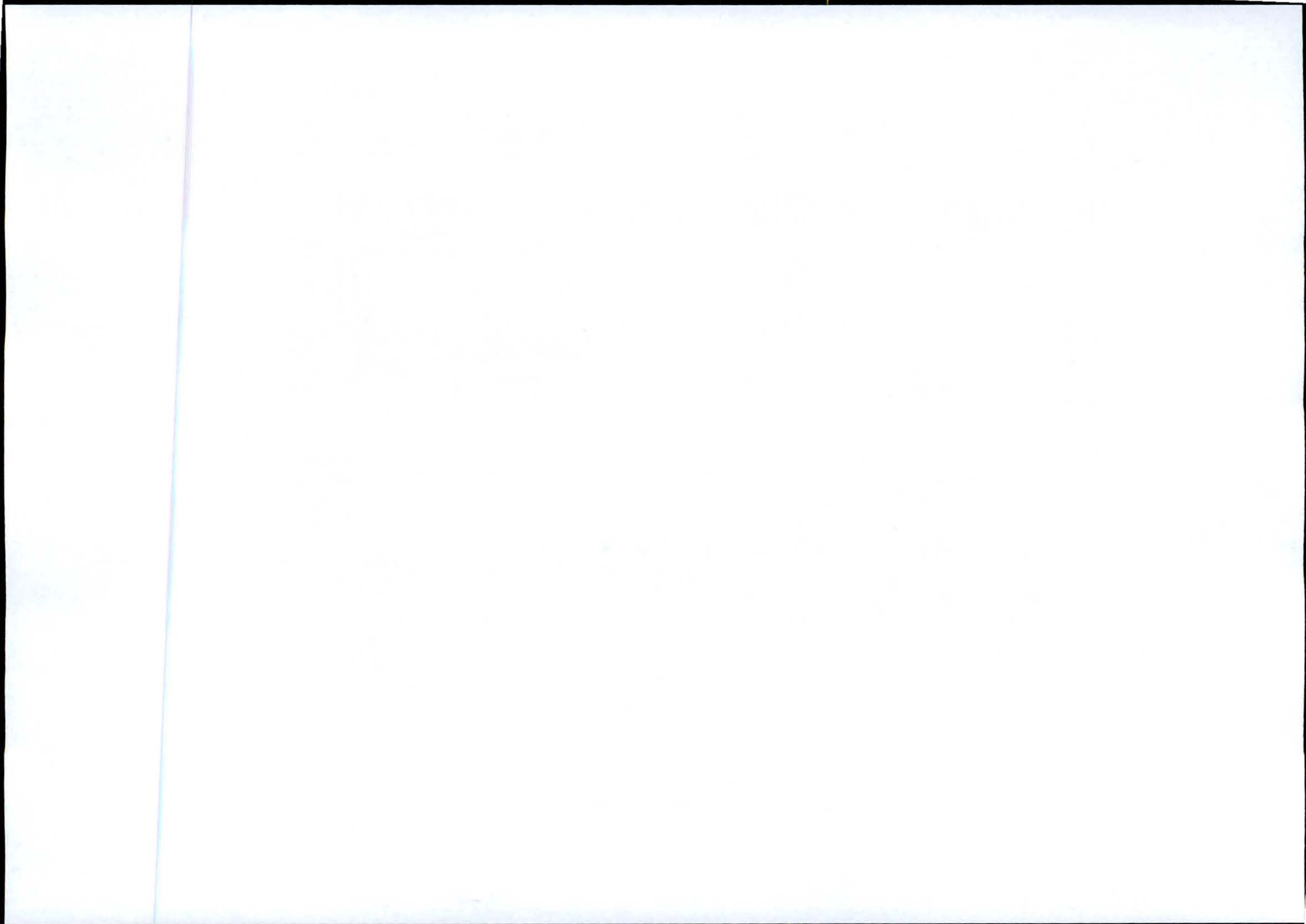
SITE PHOTOGRAPHS



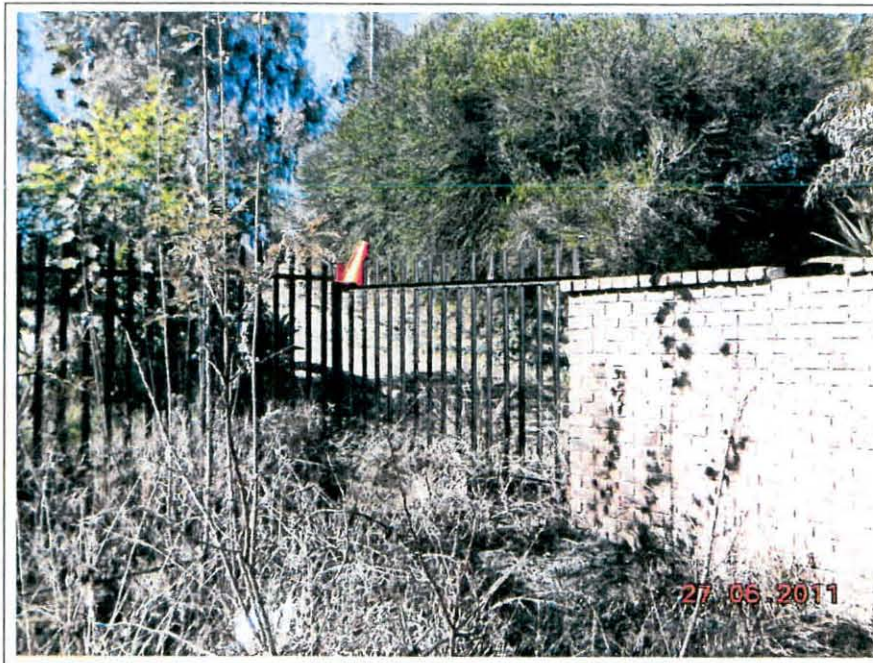
3. Panoramic view from the site direction East



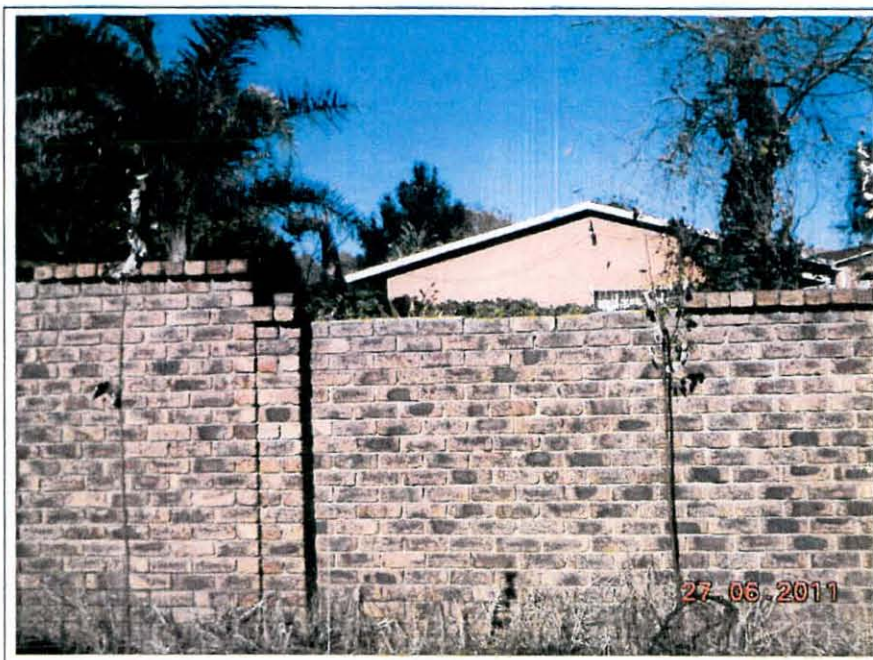
4. Panoramic view from the site direction South East



SITE PHOTOGRAPHS



5. Panoramic view from the site direction South



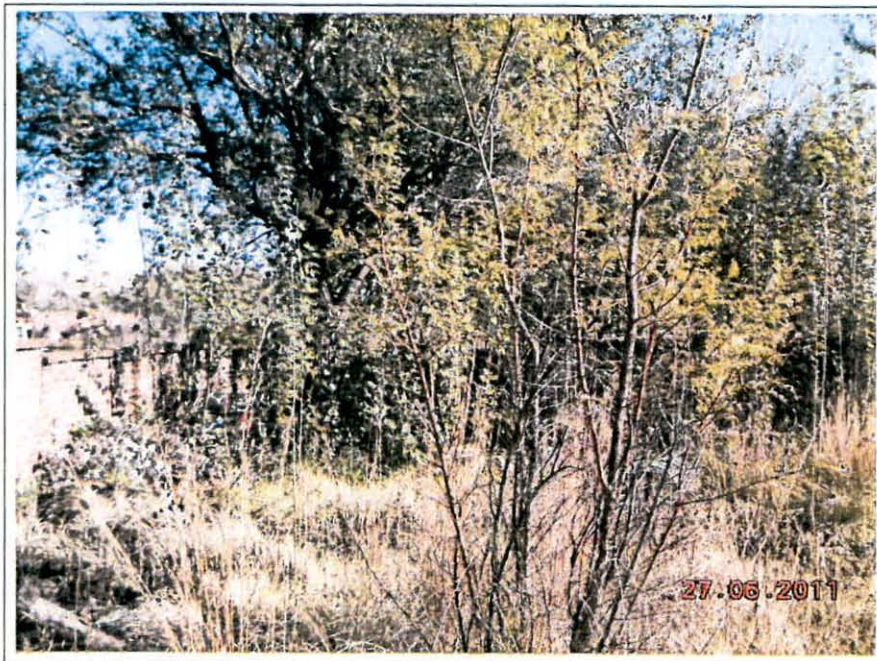
6. Panoramic view from the site direction South West



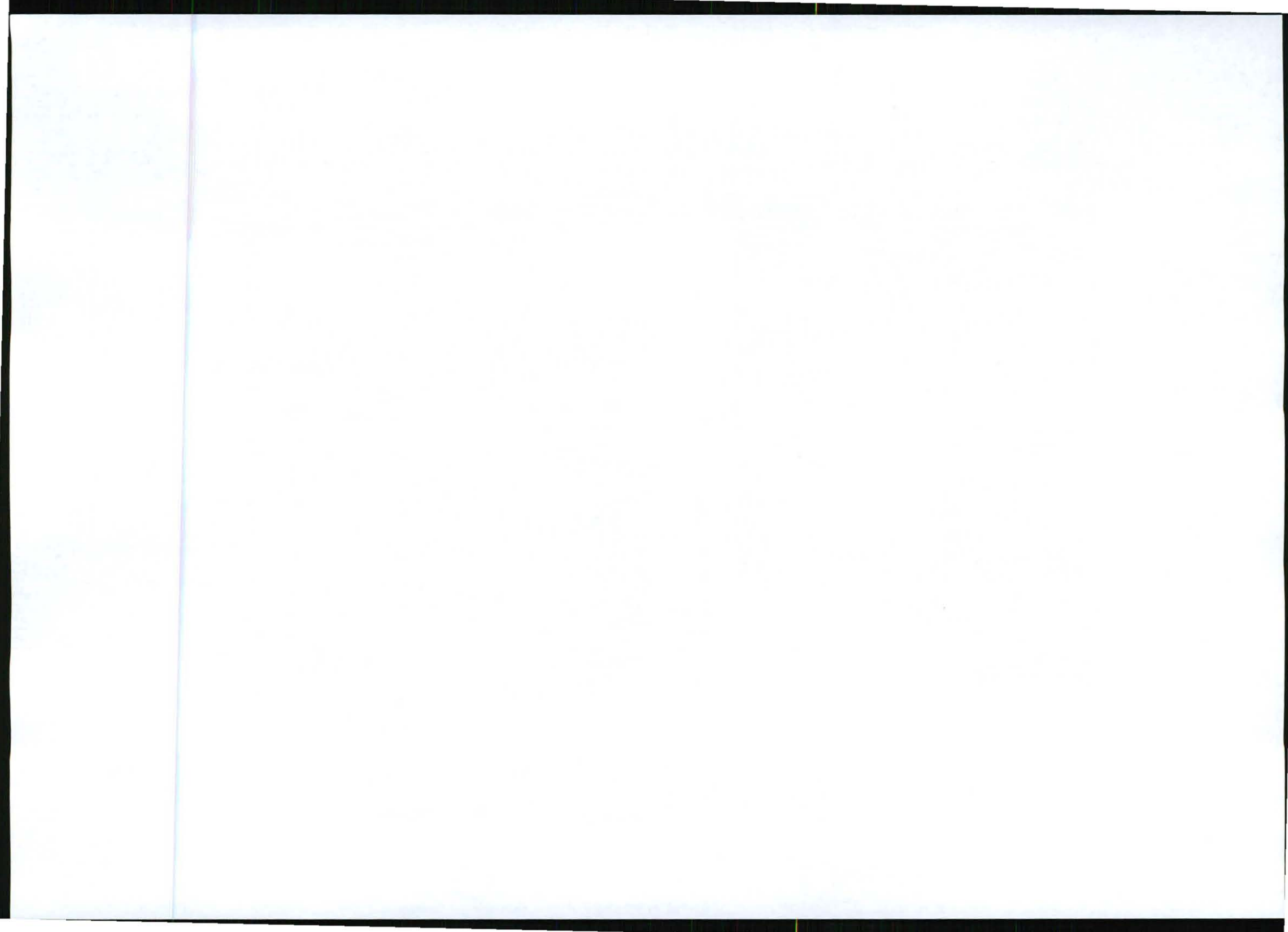
SITE PHOTOGRAPHS



7. Panoramic view from the site direction West



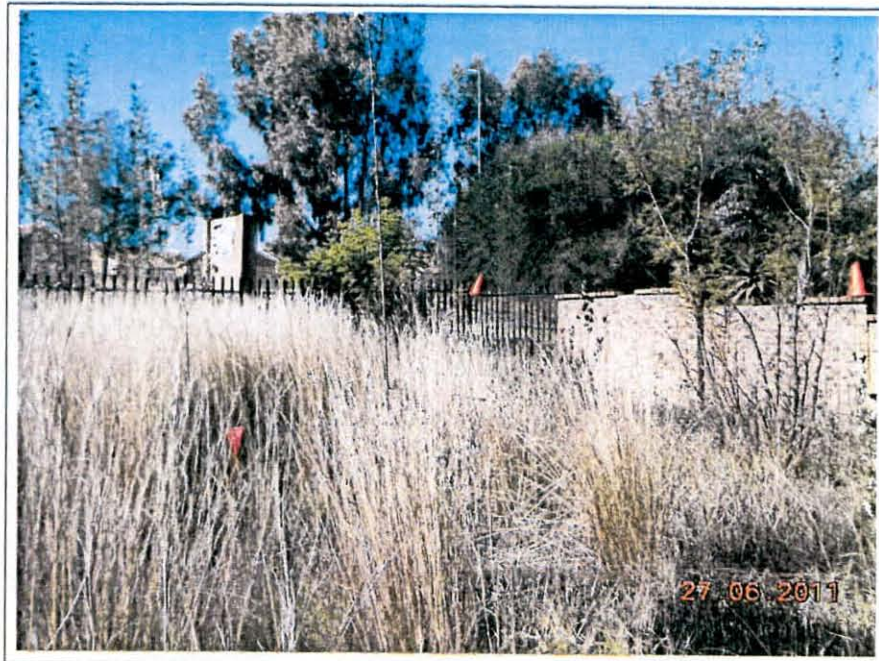
8. Panoramic view from the site direction North West



SITE PHOTOGRAPHS



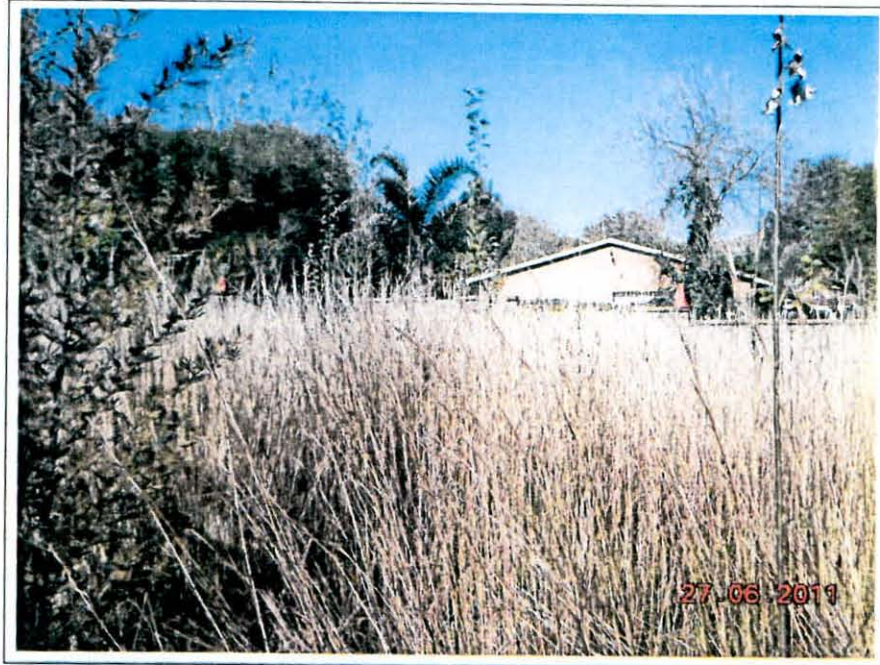
9. View on basestation position direction North



10. View on base station position direction South-East



SITE PHOTOGRAPHS



11. View on base station position direction South-West



12. View on base station position direction West

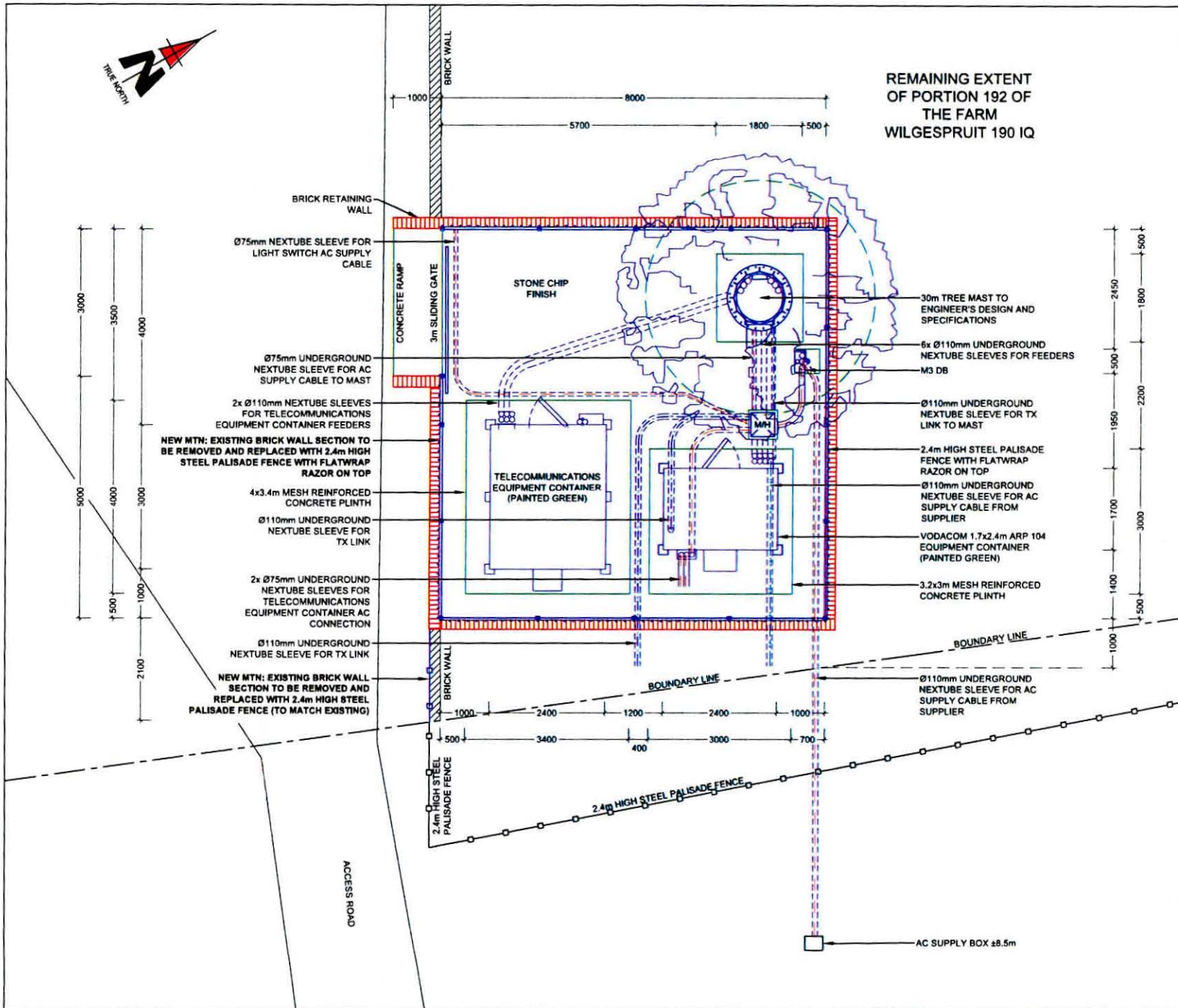


Appendix C: Facility Illustration





REMAINING EXTENT
OF PORTION 192 OF
THE FARM
WILGESPRUIT 190 IQ



SITE NAME: **VINTAGE STREET**

BASE STATION NUMBER: **BS21165**

REV	DATE	BY	DESCRIPTION
0	26/08/2011	HM	FIRST ISSUE

NOTES:
OWNER: G.A. NOORTMAN (TBC)

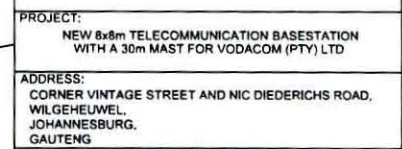
STRICTLY COMPANY CONFIDENTIAL

PROPERTY DESCRIPTION:
REMAINING EXTENT OF PORTION 192 OF THE FARM
WILGESPRUIT 190 IQ

COORDINATES:
LAT : 26° 06' 17.99" S
LONG : 27° 53' 55.91" E

PROJECT:
NEW 8x8m TELECOMMUNICATION BASESTATION
WITH A 30m MAST FOR VODACOM (PTY) LTD

ADDRESS:
CORNER VINTAGE STREET AND NIC DIEDERICHS ROAD,
WILGHELUWEL,
JOHANNESBURG,
GAUTENG



414 Rustic Road Tel: +27 (12) 804 1504/6 P.O. Box 32017
Seyfontein Fax: +27 (12) 804 7072 Toll-free
0184 admin@torbiousolutions.co.za 0134

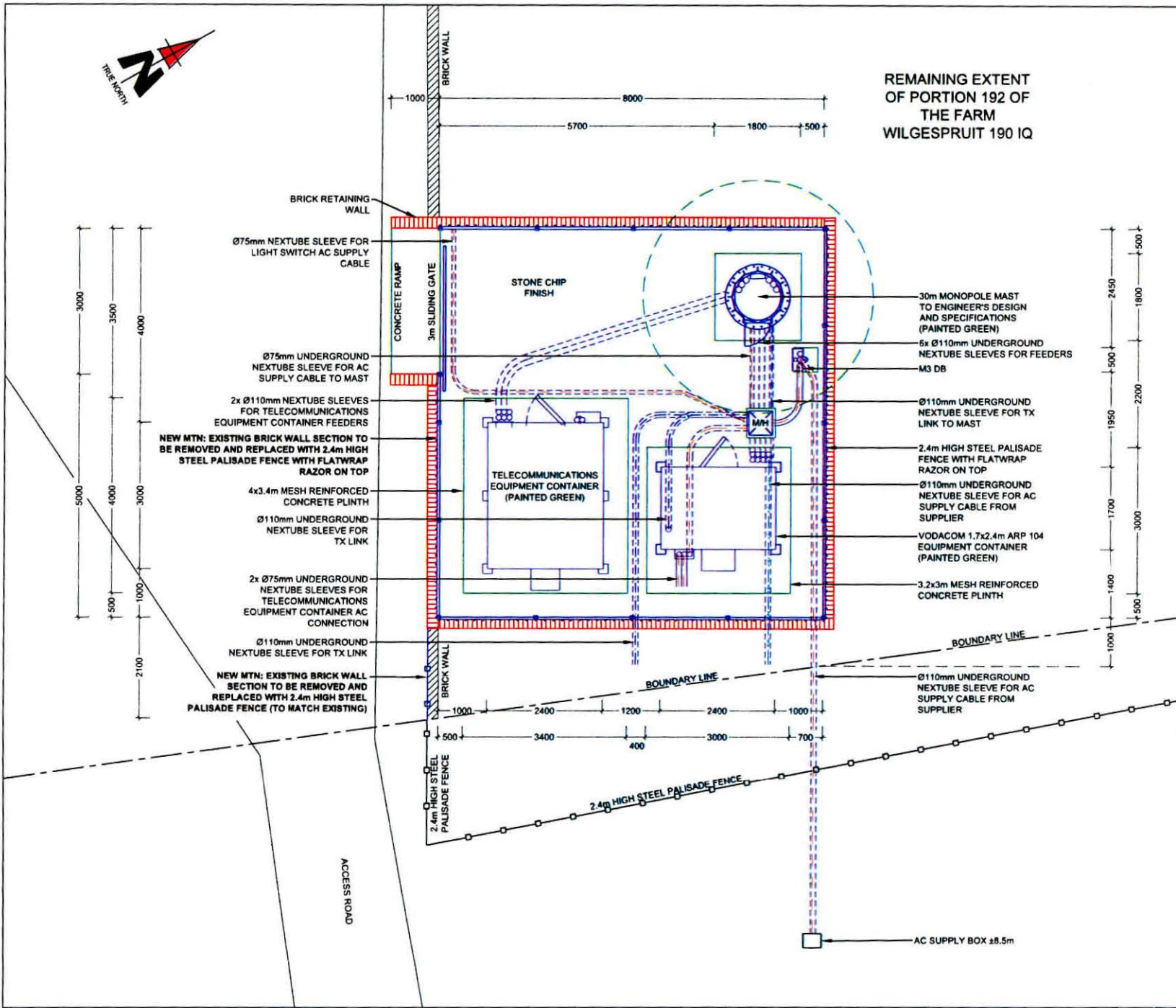
DRAWN: HENDRICK MAKINTA DATE: 26/08/2011
SCALE: 1:75 REF. NO: 828/21165

SITE DETAIL: PROPOSED
SHEET 8 OF 14





REMAINING EXTENT
OF PORTION 192 OF
THE FARM
WILGESPRUIT 190 IQ



SITE NAME: **VINTAGE STREET**
 BASE STATION NUMBER: **BS21165**

REV	DATE	BY	DESCRIPTION
0	26/08/2011	HM	FIRST ISSUE

NOTES:
 OWNER: G.A. NOORTMAN (TBC)

STRICTLY COMPANY CONFIDENTIAL
 PROPERTY DESCRIPTION:
 REMAINING EXTENT OF PORTION 192 OF THE FARM
 WILGESPRUIT 190 IQ

COORDINATES:
 LAT : 26° 06' 17.99" S
 LONG : 27° 53' 55.91" E

PROJECT:
 NEW 8x8m TELECOMMUNICATION BASESTATION
 WITH A 30m MAST FOR VODACOM (PTY) LTD

ADDRESS:
 CORNER VINTAGE STREET AND NIC DIEDERICHS ROAD,
 WILGHELUWEL,
 JOHANNESBURG,
 GAUTENG



414 Rustic Road Tel: +27 (12) 804 1504/6 P.O. Box 32017
 Silvertondale Fax: +27 (12) 804 7072 Tollstadel
 0184 admin@torbiousesolutions.co.za 0134

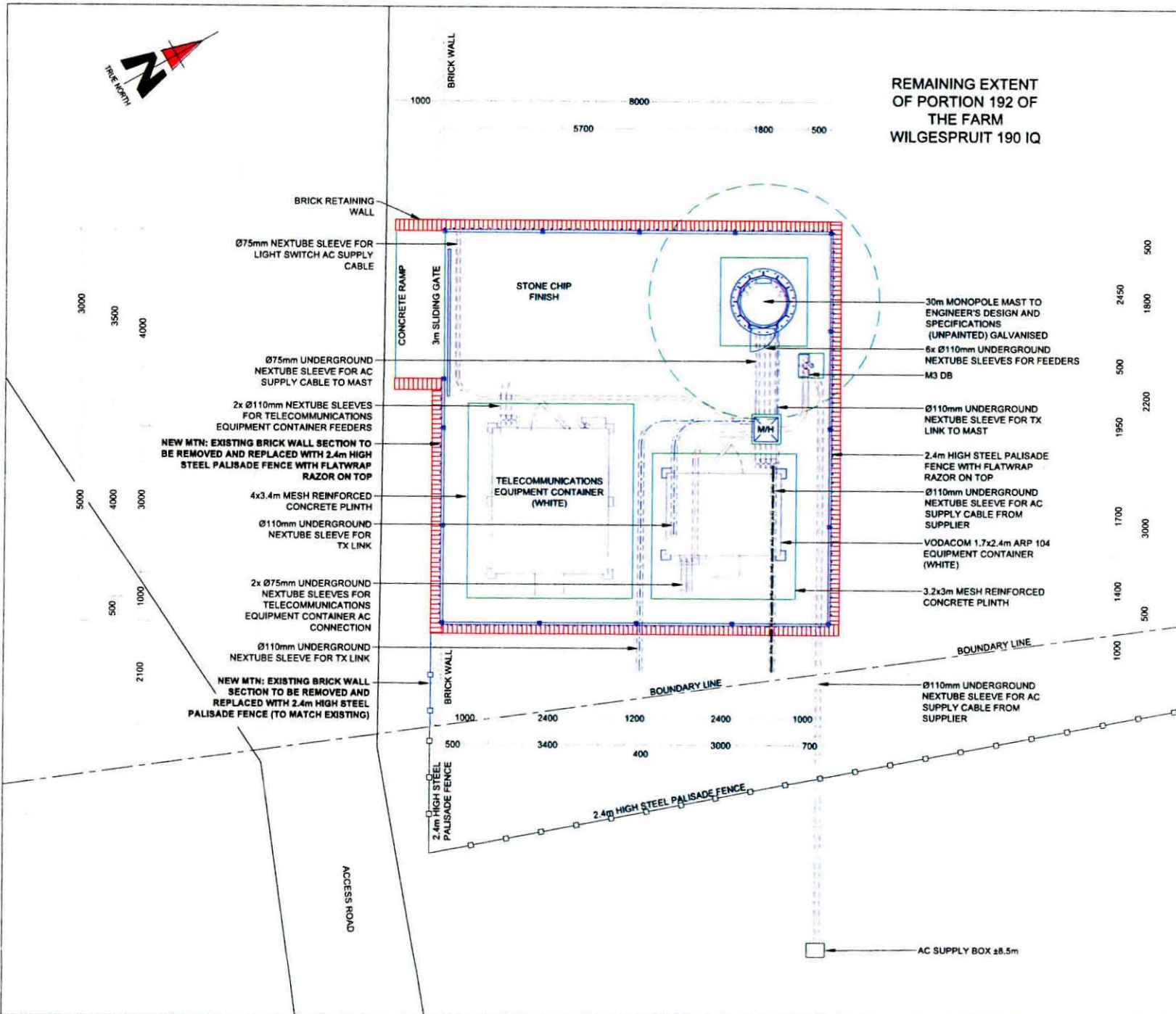
DRAWN: HENDRICK MAKINTA DATE: 26/08/2011
 SCALE: 1:75 REF. NO: 828/21165

SITE DETAIL: ALT 1
 SHEET 9 OF 14





REMAINING EXTENT
OF PORTION 192 OF
THE FARM
WILGESPRUIT 190 IQ



SITE NAME: **VINTAGE STREET**

BASE STATION NUMBER:
BS21165

REV	DATE	BY	DESCRIPTION
0	26/08/2011	HM	FIRST ISSUE

NOTES:
OWNER: G.A. NOORTMAN (TBC)

STRICTLY COMPANY CONFIDENTIAL

PROPERTY DESCRIPTION:
REMAINING EXTENT OF PORTION 192 OF THE FARM
WILGESPRUIT 190 IQ

COORDINATES:
LAT : 26° 06' 17.99" S
LONG : 27° 53' 55.91" E

PROJECT:
NEW 8x8m TELECOMMUNICATION BASESTATION
WITH A 30m MAST FOR VODACOM (PTY) LTD

ADDRESS:
CORNER VINTAGE STREET AND NIC DIEDERICH'S ROAD,
WILGEHEUWEL,
JOHANNESBURG,
GAUTENG



414 Rustic Road Tel: +27 (12) 804 1504/6 P.O. Box 32017
Silvertondale Fax: +27 (12) 804 7072 Tloiusdal
0184 admin@torblousesolutions.co.za 0134

DRAWN: HENDRICK MAKINTA DATE: 26/08/2011

SCALE: 1:75 REF. NO: 828/21165

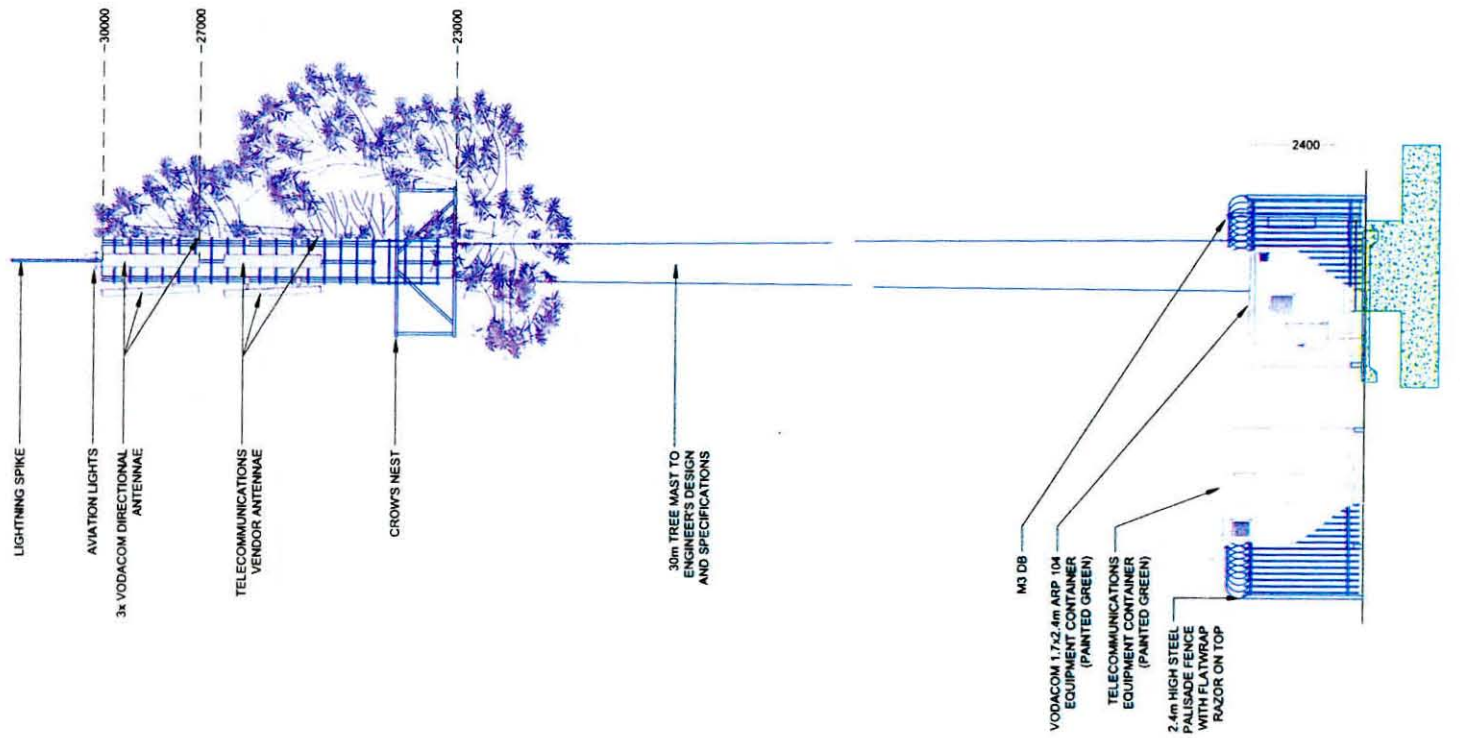
SITE DETAIL: ALT 2

SHEET 10 OF 14



VODACOM ANTENNAE KEY

SECTOR	AZIMUTH	ANTENNA	HEIGHT - BOTTOM (m)	MECH. TILT	ELEC. TILT	FEEDER SIZE	FEEDER LENGTH (m)
1			27			7/8"	
2			27			7/8"	
3			27			7/8"	



SITE NAME: **VINTAGE STREET**

BASE STATION NUMBER: **BS21165**

REV	DATE	BY	DESCRIPTION
0	26/08/2011	HM	FIRST ISSUE

NOTES:
OWNER: G.A NOORTMAN (TBC)

STRICTLY COMPANY CONFIDENTIAL
PROPERTY DESCRIPTION:
REMAINING EXTENT OF PORTION 192 OF THE FARM WILGESPRUIT 190 IQ

COORDINATES:
LAT : 26° 06' 17.99" S
LONG : 27° 53' 55.91" E

PROJECT:
NEW 8x8m TELECOMMUNICATION BASESTATION WITH A 30m MAST FOR VODACOM (PTY) LTD

ADDRESS:
CORNER VINTAGE STREET AND NIC DIEDERICHS ROAD, WILGHEUWEL, JOHANNESBURG, GAUTENG



414 Rustic Road Silvertondale 0184 Tel: +27 (12) 804 1504/6 Fax: +27 (12) 804 7072 admin@torbiousesolutions.co.za P.O. Box 32017 Totusdal 0134

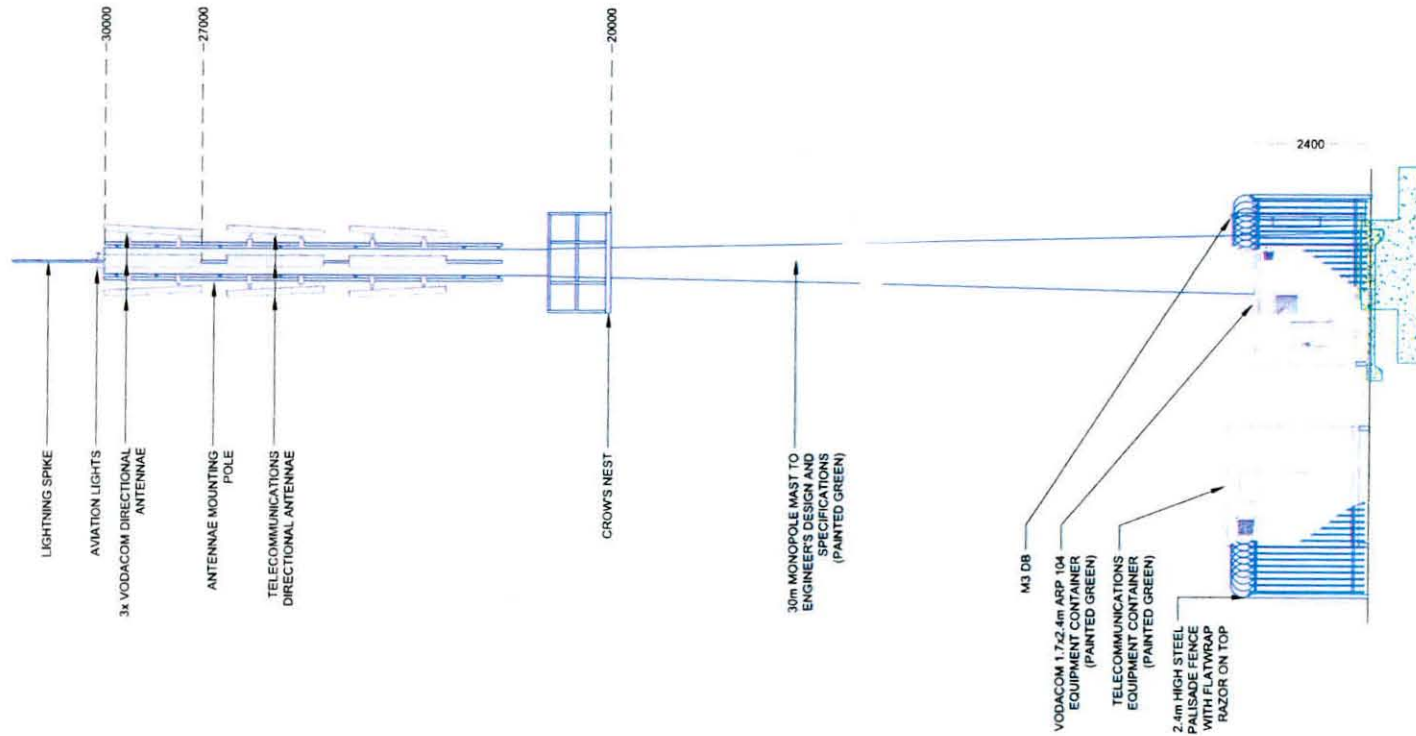
DRAWN: HENDRICK MAKINTA DATE: 26/08/2011 SCALE: 1:100 REF. NO: 828/21165

SOUTH EAST ELEVATION; PROPOSED
SHEET 11 OF 14



VODACOM ANTENNAE KEY

SECTOR	AZIMUTH	ANTENNA	HEIGHT - BOTTOM (m)	MECH. TILT	ELEC. TILT	FEEDER SIZE	FEEDER LENGTH (m)
1			27			7/8"	
2			27			7/8"	
3			27			7/8"	



SITE NAME: **VINTAGE STREET**

BASE STATION NUMBER: **BS21165**

REV	DATE	BY	DESCRIPTION
0	26/08/2011	HM	FIRST ISSUE

NOTES:
OWNER: G.A NOORTMAN (TBC)

STRICTLY COMPANY CONFIDENTIAL
PROPERTY DESCRIPTION:
REMAINING EXTENT OF PORTION 192 OF THE FARM WILGESPRUIT 190 IQ

COORDINATES:
LAT : 26° 06' 17.99" S
LONG : 27° 53' 55.91" E

PROJECT:
NEW 6x8m TELECOMMUNICATION BASESTATION WITH A 30m MAST FOR VODACOM (PTY) LTD

ADDRESS:
CORNER VINTAGE STREET AND NIC DIEDERICHS ROAD, WILGEHELMEL, JOHANNESBURG, GAUTENG



414 Rustle Road, Sibertondale 0184, Tel: +27 (12) 804 1504/6, Fax: +27 (12) 804 7072, P.O. Box 32017, Torblouse, Johannesburg, South Africa, Email: admin@torblousesolutions.co.za

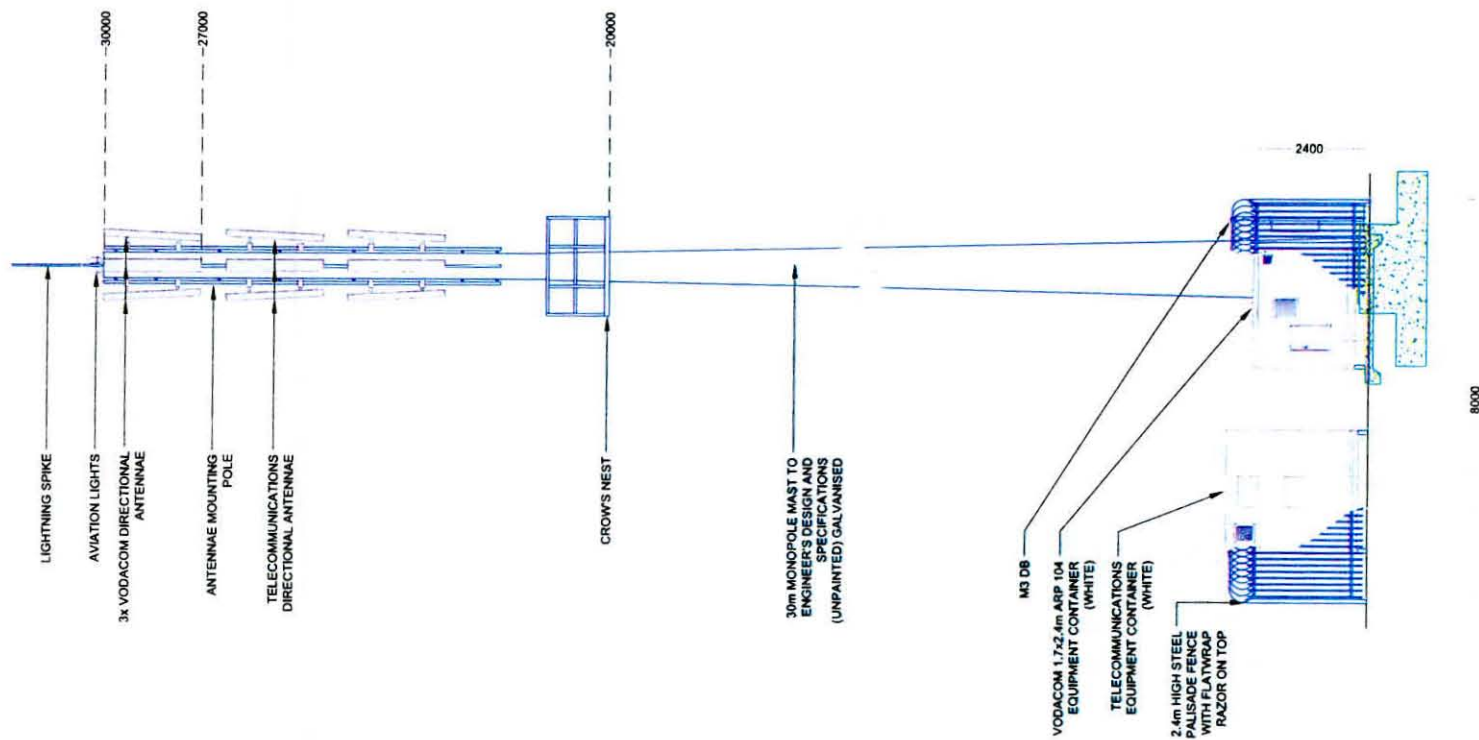
DRAWN: HENDRICK MAKINTA DATE: 26/08/2011
SCALE: 1:100 REF. NO: 828/21165

SOUTH EAST ELEVATION: ALT 1
SHEET 12 OF 14



VODACOM ANTENNAE KEY

SECTOR	AZIMUTH	ANTENNA	HEIGHT - BOTTOM (m)	MECH. TILT	ELEC. TILT	FEEDER SIZE	FEEDER LENGTH (m)
1			27			7/8"	
2			27			7/8"	
3			27			7/8"	



SITE NAME: **VINTAGE STREET**
 BASE STATION NUMBER: **BS21165**

REV	DATE	BY	DESCRIPTION
0	26/08/2011	HM	FIRST ISSUE

NOTES:
 OWNER: G.A NOORTMAN (TBC)

STRICTLY COMPANY CONFIDENTIAL

PROPERTY DESCRIPTION:
 REMAINING EXTENT OF PORTION 192 OF THE FARM WILGESPRUIT 190 IQ

COORDINATES:
 LAT : 26° 06' 17.99" S
 LONG : 27° 53' 55.91" E

PROJECT:
 NEW 8x6m TELECOMMUNICATION BASESTATION WITH A 30m MAST FOR VODACOM (PTY) LTD

ADDRESS:
 CORNER VINTAGE STREET AND NIC DIEDERICHS ROAD, WILGHEUWEL, JOHANNESBURG, GAUTENG



414 Rustic Road Tel: +27 (12) 804 1504/5 P.O. Box 32017
 58 Ventondale Fax: +27 (12) 804 7072 Tottusdal
 0184 admin@torbiousolutions.co.za 0134

DRAWN: HENDRICK MAKINTA DATE: 26/08/2011
 SCALE: 1:100 REF. NO: 828/21165

SOUTH EAST ELEVATION: ALT 2
 SHEET 13 OF 14





TYPICAL TREE MAST



TYPICAL MONOPOLE MAST
(PAINTED GREEN)



TYPICAL MONOPOLE MAST
(UNPAINTED) GALVANISED



SITE NAME:
VINTAGE STREET

BASE STATION NUMBER:
BS21165

REV	DATE	BY	DESCRIPTION
0	26/08/2011	HM	FIRST ISSUE

NOTES:
OWNER: G. A. NOORTMAN (TBC)

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Silvertondale Fax: +27 (12) 804 7072 Torbidat
0184 admin@torbiouse.com.co.za 0134

DRAWN: HENDRICK MAKINTA DATE: 26/08/2011

SCALE: NTS REF. NO: 828/21165

FACILITY ILLUSTRATION
SHEET 14 OF 14



**Appendix D: Route position information
NOT APPLICABLE**



Appendix E: Public Participation Information

Appendix E1 – Proof of site notice

Appendix E2 – Written notices issued to those persons detailed in Section C, 1(b) to 1(f)

Appendix E3 – Proof of newspaper advertisements

Appendix E4 – Communications to and from persons detailed in Section C, Point 2 and 3

Appendix E5 – Minutes of any public and or stakeholder meetings

Appendix E6 – Comments and Responses Report

Appendix E7 – Comments from I&APs on Basic Assessment (BA) Report

Appendix E8 – Comments from I&APs on amendments to the BA report

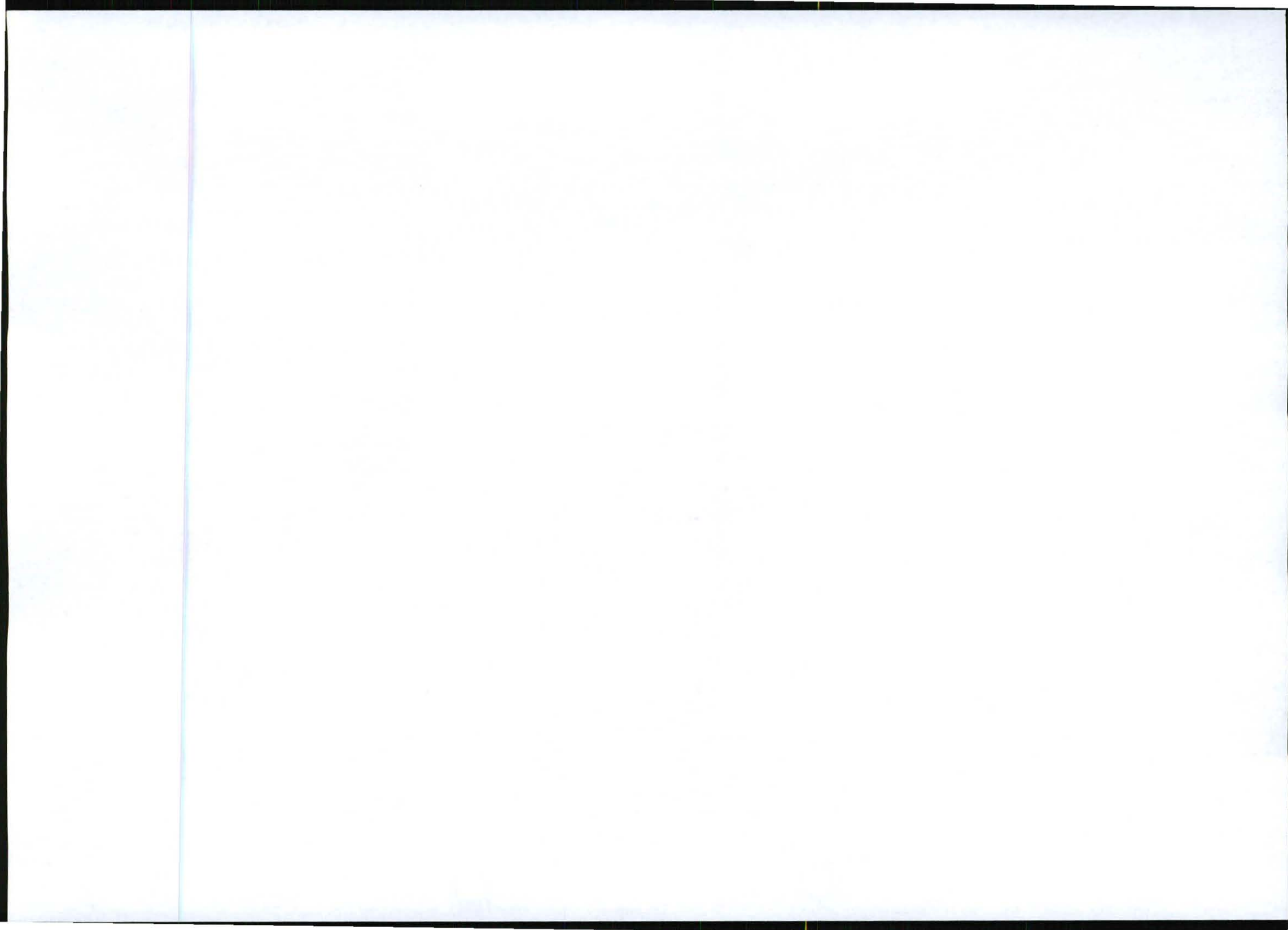
Appendix E9 – Copy of the register of I&APs

Appendix E10 – Comments from I&APs on the application

Appendix E11 – Other



Appendix E1 – Proof of Site Notice



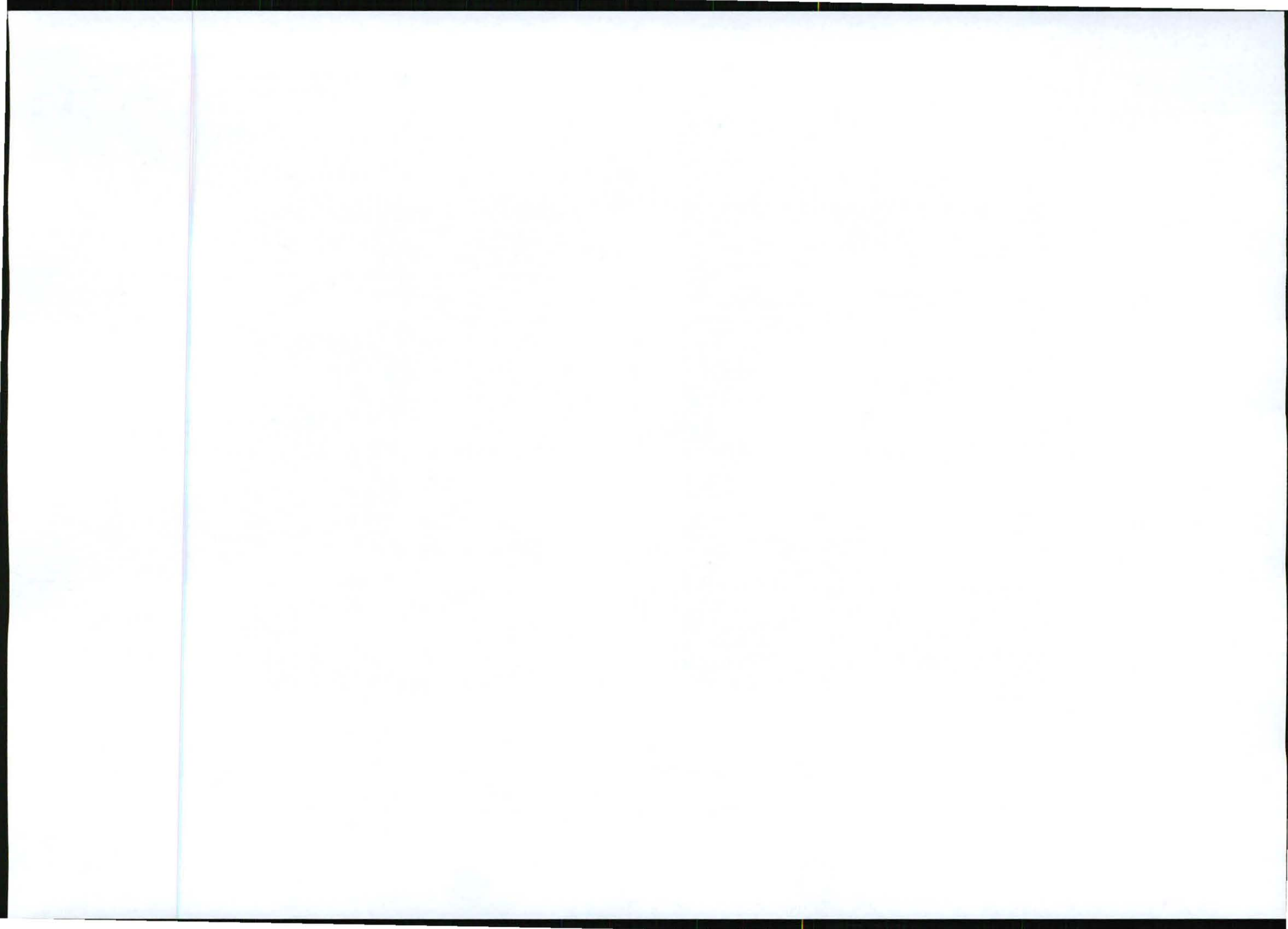
Proof of Site Notice



Site Notice 1 affixed at property boundary



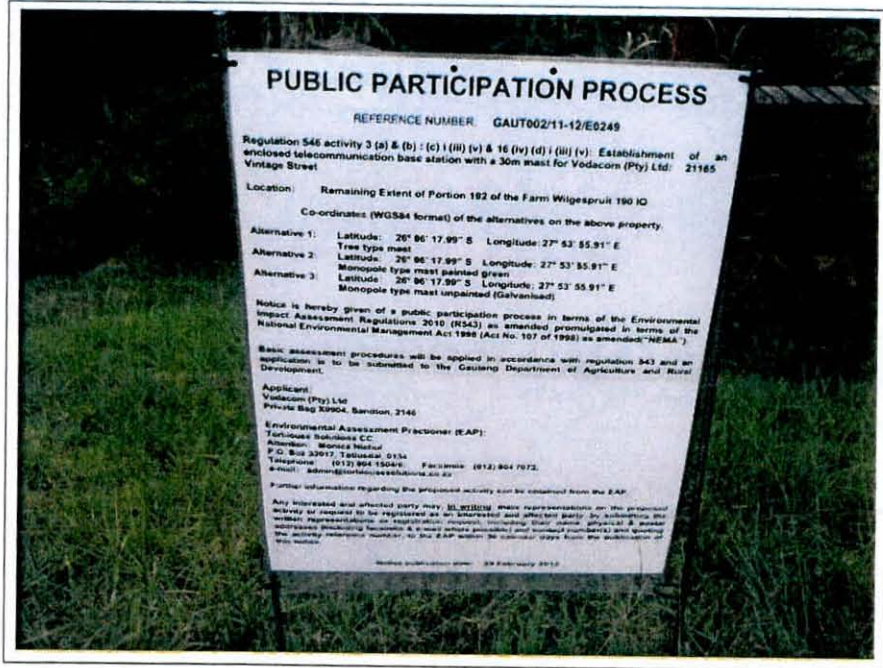
Site Notice 1 affixed at property boundary



Proof of Site Notice



Site Notice 1 affixed at property boundary



Site Notice 2 affixed at property boundary fence



Proof of Site Notice



Site Notice 2 affixed at property boundary fence



Site Notice 2 affixed at property boundary fence



Proof of Site Notice



Site Notice 3 affixed at property boundary



Site Notice 3 affixed at property boundary



Proof of Site Notice



Site Notice 3 affixed at property boundary



**Appendix E2 – Written Notices issued to those persons detailed in
Section C 1 (b) to 1(f)**