



the **dedet**

Department:
Economic Development, Environment and Tourism
MPUMALANGA PROVINCIAL GOVERNMENT

Basic assessment report in terms of the
Environmental Impact Assessment Regulations, 2010, promulgated in terms of the National
Environmental Management Act, 1998(Act No. 107 of 1998), as amended.

File Reference Number:

Project Title:

Name of Responsible Official:

(For applicant / EAP to complete)

17/2/3/GS-69

The establishment of a 54m high lattice mast – T9244
Diepgesit Sappi

Mr. Surgeon Marebane

NEAS Reference Number:

Date Received:

(For official use only)

Kindly note that:

1. Required information 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. Tables can be extended as each space is filled with typing.
2. Where applicable **black out** the boxes that are not applicable in the form.
3. An incomplete report may be returned to the applicant for revision.
4. 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.
5. All reports (draft and final) must be submitted to the Department at the address of the relevant **DISTRICT OFFICE** given below or by delivery thereof to the relevant **DISTRICT OFFICE**. Should the reports not be submitted at the relevant district office, they will not be considered.
6. No faxed or e-mailed reports will be accepted.
7. One copy of the draft version of this report must be submitted to the relevant district office. The case officer may request more than one copy in certain circumstances.
8. **Copies of the draft report must be submitted to the relevant State Departments / Organs of State for comment.** In order to give effect to Regulation 56(7), proof of submission/delivery of the draft documents to the State Departments / Organs of State must be attached to the draft version of this report.
9. Unless protected by law, all information in the report will become public information on receipt by the competent authority. Any interested and affected party should be provided with the information contained in this report on request, during any stage of the application process.
10. All specialist reports must be appended to this document, and all specialists must complete a declaration of independence, which is obtainable from the Department.

SECTION A: BACKGROUND INFORMATION

| | | | |
|------------------------|---|-------|--------------|
| Project applicant: | MTN (Pty) Ltd | | |
| Trading name (if any): | MTN (Pty) Ltd | | |
| Contact person: | Stephanie Gain | | |
| Physical address: | Building 1 Commerce Square, 39 Rivonia Road , Sandton | | |
| Postal address: | Building 1 Commerce Square, 39 Rivonia Road , Sandton | | |
| Postal code: | 0046 | Cell: | 083 200 1568 |
| Telephone: | - | Fax: | 011 911 5460 |
| E-mail: | Gain_S@mtn.co.za | | |

| | | | |
|--|---|-------|-----------------------------|
| Environmental Assessment Practitioner: | Torbouse Solutions | | |
| Contact person: | Wilbert van't Foort | | |
| Postal address: | P.O. Box 32017, Totiusdal | | |
| Postal code: | 0134 | Cell: | 083 560 8410 |
| Telephone: | (012) 804 1504 | Fax: | 012 804 7072 / 086 690 0468 |
| E-mail: | admin@torbousesolutions.co.za | | |
| Qualifications: | 9 Years Environmental Impact Assessment evaluations | | |
| Professional affiliations (if any): | - | | |

SECTION B: DETAILED DESCRIPTION OF THE PROPOSED ACTIVITY

Describe the activity, which is being applied for, in detail. The description must include the size of the proposed activity (or in the case of linear activities, the length) and the size of the area that will be transformed by the activity.

Regulation 546 Activity 3: The Establishment of a new 54m high MTN (Pty) Ltd telecommunication lattice mast painted red & white (T9244 Diepgesit Sappi) including a new 160m² telecommunication base station, equipment containers and associated equipment.

SECTION C: PROPERTY/SITE DESCRIPTION

Provide a full description of the preferred site alternative (farm name and number, portion number, registration division, erf number etc.):

Remaining Extent of the farm Grenspad 433 JT

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

national or local projection. The position of alternative sites must be indicated in Section B of this document.

| Latitude (S): | | Longitude (E): | |
|---------------|---------|----------------|---------|
| 25° | 56.515' | 30° | 25.502' |

In the case of linear activities:

- Starting point of the activity
- Middle point of the activity
- End point of the activity

| Latitude (S): | | Longitude (E): | |
|---------------|---|----------------|---|
| 0 | ' | 0 | ' |
| 0 | ' | 0 | ' |
| 0 | ' | 0 | ' |

SITE OR ROUTE PLAN

A detailed site or route plan(s) must be prepared for each alternative site or alternative activity. It must be attached as an appendix to this document.

The site or route plans must be at least A3 and must include the following:

- 6.1 a reference no / layout plan no., date, and a legend / land use table
- 6.2 the scale of the plan which must be at least a scale of 1:2000;
- 6.3 the current land use as well as the land use zoning of each of the properties adjoining the site or sites;
- 6.4 the exact position of each element of the application as well as any other structures on the site;
- 6.5 the position of services, including electricity supply cables (indicate above or underground), water supply pipelines, boreholes, street lights, sewage pipelines, storm water infrastructure and telecommunication infrastructure;
- 6.6 all indigenous trees taller than 1.8 metres and all vegetation of conservation concern (protected, endemic and/or red data species);
- 6.8 servitudes indicating the purpose of the servitude;
- 6.9 sensitive environmental elements within 100 metres of the site or sites including (but not limited thereto):
 - watercourses and wetlands;
 - the 1:100 year flood line;
 - ridges;
 - cultural and historical features;
- 6.9 10 metre contour intervals

SITE PHOTOGRAPHS

Colour photographs from the centre of the site must be taken in at least the eight major compass directions with a description of each photograph. Photographs must be attached as an appendix to this form.

FACILITY ILLUSTRATION

A detailed illustration of the activity must be provided at a scale of 1:200 as an appendix 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.

SECTION D: BASIC ASSESSMENT REPORT

Prepare a basic assessment report that complies with Regulation 22 of the Environmental Impact Assessment Regulations, 2010. The basic assessment report must be attached to this form and must contain all the information that is necessary for the competent authority to consider the application and to reach a decision contemplated in Regulation 25, and must include:

(Checklist
for official
use only)

| | |
|--|--|
| 1. A description of the environment that may be affected by the proposed activity and the manner in which the geographical, physical, biological, social, economic and cultural aspects of the environment may be affected by the proposed activity. | |
| 2. An identification of all legislation and guidelines that have been considered in the preparation of the basic assessment report. | |
| 3. Details of the public participation process conducted in terms of Regulation 21(2)(a) in connection with the application, including – (i) the steps that were taken to notify potentially interested and affected parties of the proposed application; (ii) proof that notice boards, advertisements and notices notifying potentially interested and affected parties of the proposed application have been displayed, placed or given; (iii) a list of all persons, organisations and organs of state that were registered in terms of regulation 55 as interested and affected parties in relation to the application; and (iv) a summary of the issues raised by interested and affected parties, the date of receipt of and the response of the EAP to those issues; | |
| 4. A description of the need and desirability of the proposed activity; | |
| 5. A description of any identified alternatives to the proposed activity that are feasible and reasonable, including the advantages and disadvantages that the proposed activity or alternatives will have on the environment and on the community that may be affected by the activity; | |
| 6. A description and assessment of the significance of any environmental impacts, including— (i) cumulative impacts, that may occur as a result of the undertaking of the activity or identified alternatives or as a result of any construction, erection or decommissioning associated with the undertaking of the activity; (ii) the nature of the impact; (iii) the extent and duration of the impact; (iv) the probability of the impact occurring; (v) the degree to which the impact can be reversed; (vi) the degree to which the impact may cause irreplaceable loss of resources; and (vii) the degree to which the impact can be mitigated; | |
| 7. Any environmental management and mitigation measures proposed by the EAP; | |
| 8. Any inputs and recommendations made by specialists to the extent that may be necessary; | |
| 9. A draft environmental management programme containing the aspects contemplated in regulation 33; | |
| 10. A description of any assumptions, uncertainties and gaps in | |

| | |
|---|--|
| knowledge; | |
| 11. A reasoned opinion as to whether the activity should or should not be authorised, and if the opinion is that it should be authorised, any conditions that should be made in respect of that authorisation | |
| 12. Any representations, and comments received in connection with the application or the basic assessment report; | |
| 13. The minutes of any meetings held by the EAP with interested and affected parties and other role players which record the views of the participants; | |
| 14. Any responses by the EAP to those representations, comments and views; | |
| 15. Any specific information required by the competent authority; and | |
| 16. Any other matters required in terms of sections 24(4)(a) and (b) of the Act. | |

The basic assessment report must take into account -

- (a) any relevant guidelines; and
- (b) any departmental policies, environmental management instruments and other decision making instruments that have been developed or adopted by the competent authority in respect of the kind of activity which is the subject of the application.

* In terms of Regulation 22(4), the EAP managing the application must provide the competent authority with detailed, written proof of an investigation as required by section 24(4)(b)(i) of the Act and motivation if no reasonable or feasible alternatives, as contemplated in subregulation 22(2)(h), exist.

| | | |
|--|-----|-----------|
| Have reasonable and feasible alternatives been identified, described and assessed? | YES | NO |
| If NO, the motivation and investigation required in terms of Regulation 22(4) must be attached as an Appendix to this document | | |

1. A DESCRIPTION OF THE ENVIRONMENT

This section describes the environment that may be affected by the proposed activity and the manner in which the geographical, physical, biological, social, economic and cultural aspects of the environment may be affected by the proposed activity in terms of *Regulation 22 sub-regulation 2 (d) of the EIA Regulations, 2010*.

PHYSICAL ENVIRONMENT

Gradient of the Site

Indicate the general gradient of the site.

Alternative S1:

| | | | | | | |
|------|----------------|----------------|----------------|-----------------|----------------|---------------------|
| 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 |
|------|----------------|----------------|----------------|-----------------|----------------|---------------------|

Alternative S2 (if any): Applied for Exemption

| | | | | | | |
|------|--------------|--------------|--------------|---------------|--------------|---------------------|
| 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 |
|------|--------------|--------------|--------------|---------------|--------------|---------------------|

Alternative S3 (if any): Applied for Exemption

| | | | | | | |
|------|--------------|--------------|--------------|---------------|--------------|---------------------|
| 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 |
|------|--------------|--------------|--------------|---------------|--------------|---------------------|

Location in landscape

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

2.1 Ridgeline

2.2 Plateau

2.3 Side slope of hill/mountain

2.4 Closed valley

2.5 Open valley

2.6 Plain

2.7 Undulating plain / low hills

2.8 Dune

2.9 Seafront

Groundwater, Soil and Geological stability of the site

Is the site(s) located on any of the following (tick the appropriate boxes)?

| | Alternative S1: | | Alternative S2 (if any): | | Alternative S3 (if any): | |
|---|-----------------|----|--------------------------|----|--------------------------|----|
| Shallow water table (less than 1.5m deep) | YES | NO | YES | NO | YES | NO |
| Dolomite, sinkhole or doline areas | YES | NO | YES | NO | YES | NO |
| Seasonally wet soils (often close to water bodies) | YES | NO | YES | NO | YES | NO |
| Unstable rocky slopes or steep slopes with loose soil | YES | NO | YES | NO | YES | NO |
| Dispersive soils (soils that dissolve in water) | YES | NO | YES | NO | YES | NO |

| | | | | | | |
|--|-----|----|-----|----|-----|----|
| Soils with high clay content (clay fraction more than 40%) | YES | NO | YES | NO | YES | NO |
| Any other unstable soil or geological feature | YES | NO | YES | NO | YES | NO |
| An area sensitive to erosion | YES | NO | YES | NO | YES | NO |

If you are unsure about any of the above or if you are concerned that any of the above aspects may be an issue of concern in the application, an appropriate specialist should be appointed to assist in the completion of this section. (Information in respect of the above will often be available as part of the project information or at the planning sections of local authorities. Where it exists, the 1:50 000 scale Regional Geotechnical Maps prepared by the Council for Geo Science may also be consulted).

BIOLOGICAL ENVIRONMENT

Groundcover

Indicate the types of groundcover present on the site:

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

| | | | | |
|---|---|--|--|-----------|
| Natural veld in good condition^E | Natural veld with scattered aliens^E | Natural veld with heavy alien infestation^E | Veld dominated by alien species^E | Gardens |
| Sport field | Cultivated land | Paved surface | Building or other structure | Bare soil |

If any of the boxes marked with an “^E” is ticked, please consult an appropriate specialist to assist in the completion of this section if the environmental assessment practitioner doesn’t have the necessary expertise.

SOCIAL AND ECONOMICAL ENVIRONMENT

Land use character of surrounding area

Indicate land uses and/or prominent features that does currently occur within a 500m radius of the site and give description of how this influences the application or may be impacted upon by the application:

5.1 Natural area

5.2 Low density residential

5.3 Medium density residential

5.4 High density residential

5.5 Informal residential^A

5.6 Retail commercial & warehousing

5.7 Light industrial

5.8 Medium industrial^{AN}

5.9 Heavy industrial^{AN}

5.10 Power station

- 5.11 Office/consulting room
- 5.12 Military or police base/station/compound
- 5.13 Spoil heap or slimes dam^A
- 5.14 Quarry, sand or borrow pit
- 5.15 Dam or reservoir
- 5.16 Hospital/medical centre
- 5.17 School
- 5.18 Tertiary education facility
- 5.19 Church
- 5.20 Old age home
- 5.21 Sewage treatment plant^A
- 5.22 Train station or shunting yard^N
- 5.23 Railway line^N
- 5.24 Major road (4 lanes or more)^N
- 5.25 Airport^N
- 5.26 Harbour
- 5.27 Sport facilities
- 5.28 Golf course
- 5.29 Polo fields
- 5.30 Filling station^H
- 5.31 Landfill or waste treatment site
- 5.32 Plantation**
- 5.33 Agriculture
- 5.34 River, stream or wetland
- 5.35 Nature conservation area
- 5.36 Mountain, koppie or ridge**
- 5.37 Museum
- 5.38 Historical building
- 5.39 Protected Area
- 5.40 Graveyard
- 5.41 Archaeological site
- 5.42 Other land uses (describe) – Farmland**

If any of the boxes marked with an "N" are ticked, how will this impact / be impacted upon by the proposed activity? **No**

If any of the boxes marked with an "An" are ticked, how will this impact / be impacted upon by the proposed activity? **No**

If YES, specify and explain:

If YES, specify:

If any of the boxes marked with an "H" are ticked, how will this impact / be impacted upon by the proposed activity? **No**

If YES, specify and explain:

If YES, specify:

Waste, effluent, emission and noise management

(a) Solid waste management

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

| | |
|--|----|
| YES | NO |
| 4m ³ (6 weeks construction period only) | |

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

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?

| | |
|----------------|----|
| YES | NO |
| m ³ | |

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

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

-

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

-

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, then 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?

| | |
|-----|----|
| YES | NO |
|-----|----|

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?

| | |
|-----|----|
| YES | NO |
|-----|----|

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

(b) Liquid effluent

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

| | |
|-----|----|
| YES | NO |
|-----|----|

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

| | |
|----------------|--|
| m ³ | |
|----------------|--|

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

| | |
|-----|----|
| 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.

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

| | |
|-----|----|
| YES | NO |
|-----|----|

If yes, provide the particulars of the facility:

Facility

name:

Contact

person:

Postal

address:

Postal code:

Telephone:

E-mail:

| | | |
|---|-------|------------|
| - | | |
| - | | |
| - | | |
| - | | |
| - | Cell: | Telephone: |
| - | Fax: | - |

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

waste water, if any:

| |
|--|
| |
|--|

(c) Emissions into the atmosphere

Will the activity release emissions into the atmosphere?

| | |
|-----|----|
| YES | NO |
| YES | NO |

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

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.

(d) Generation of noise

Will the activity generate noise?

| | |
|-----|----|
| YES | NO |
| YES | NO |

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

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 noise in terms of type and level:

Minimum noise generation will emanate from the installed air conditioners at a <60dB noise level. The level of noise generation is well within the acceptable norm and will not cause a disturbance to the surrounding environment.

(e) Water Use

Please indicate the source(s) of water that will be used for the activity by ticking the appropriate box(es)

| | | | | | |
|------------------------------------|--------------------------------------|--------------------------------------|---|--------------------------------|--|
| <input type="checkbox"/> municipal | <input type="checkbox"/> water board | <input type="checkbox"/> groundwater | <input type="checkbox"/> river, stream, dam or lake | <input type="checkbox"/> other | <input type="checkbox"/> the activity will not use water |
|------------------------------------|--------------------------------------|--------------------------------------|---|--------------------------------|--|

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:

| | |
|--------|----|
| litres | |
| YES | NO |

Does the activity require a water use permit from the Department of Water Affairs?

If yes, please submit the necessary application to the Department of Water Affairs and attach proof thereof to this application if it has been submitted.

(f) Energy Efficiency

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

High technological mobile 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. Solar panels as well as wind generator are built into the design of the telecommunication mast for optimum energy efficiency.

Describe how alternative energy sources have been taken into account or been built into the design of the activity, if any:

Solar panels as well as wind generator are built into the design of the telecommunication mast for optimum energy efficiency.

CULTURAL ENVIRONMENT

Cultural/Historical Features

| | | |
|---|-----|----|
| Are there any signs of culturally 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 |
| If YES, explain: | | |
| If uncertain, conduct a specialist investigation by a recognised specialist in the field to establish whether there is such a feature(s) present on or close to the site. | | |
| Briefly explain the findings of the specialist: | | |
| Will any building or structure older than 60 years be affected in any way? | YES | NO |
| Is it necessary to apply for a permit in terms of the National Heritage Resources Act, 1999 (Act 25 of 1999)? | YES | NO |
| If yes, please submit or, make sure that the applicant or a specialist submits the necessary application to SAHRA or the relevant provincial heritage agency and attach proof thereof to this application if such application has been made. | | |

2. APPLICABLE LEGISLATION, POLICIES AND/OR GUIDELINES – IN TERMS OF Regulation 22 sub-regulation 2 (e) of the EIA Regulations, 2010

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

| | | |
|---|---|------------|
| Title of legislation, policy or guideline: | Administering authority: | Date: |
| National Environmental Management Act (NEMA) No. 107 of 1998 & related regulations & guidelines | Mpumalanga Province Department of Economic Development, Environment and Tourism | 27/11/1998 |
| Civil Aviation Act, 2009 (Act No. 13 of 2009) | South African Civil Aviation Authority | 2009 |
| Approval in terms of town planning schemes and/or National Building Regulations | Gert Sibande District Municipality (Albert Luthuli Local Municipality) | 2007 |
| Occupational Health and Safety Act (No. 85 of 1993) | Department of Labour | 1993 |
| National Veld and Forest Fire Act (No. 101 of 1998) | Department of Water and Environmental Affairs | 1998 |
| National Heritage Resources Act (No. 25 of 1999) | South African Heritage Resources Agency | 1999 |

3. PUBLIC PARTICIPATION – IN TERMS OF *Regulation 22 sub-regulation 2 (f) of the EIA Regulations, 2010*

The person conducting a public participation process must take into account any guidelines applicable to public participation as contemplated in section 24J of the Act and must give notice to all potential interested and affected parties of the application which is subjected to public participation by—

- (a) fixing a notice board (of a size at least 60cm by 42cm; and must display the required information in lettering and in a format as may be determined by the competent authority) at a place conspicuous to the public at the boundary or on the fence of—
 - (i) the site where the activity to which the application relates is or is to be undertaken; and
 - (ii) any alternative site mentioned in the application;
- (b) giving written notice to—
 - (i) the owner or person in control of that land if the applicant is not the owner or person in control of the land;
 - (ii) the occupiers of the site where the activity is or is to be undertaken or to any alternative site where the activity is to be undertaken;
 - (iii) owners and occupiers of land adjacent to the site where the activity is or is to be undertaken or to any alternative site where the activity is to be undertaken;
 - (iv) the municipal councillor of the ward in which the site or alternative site is situated and any organisation of ratepayers that represent the community in the area;
 - (v) the municipality which has jurisdiction in the area;
 - (vi) any organ of state having jurisdiction in respect of any aspect of the activity; and
 - (vii) any other party as required by the competent authority;
- (c) placing an advertisement in—
 - (i) one local newspaper; or
 - (ii) any official *Gazette* that is published specifically for the purpose of providing public notice of applications or other submissions made in terms of these Regulations;
- (d) placing an advertisement in at least one provincial newspaper or national newspaper, if the activity has or may have an impact that extends beyond the boundaries of the metropolitan or local municipality in which it is or will be undertaken: Provided that this paragraph need not be complied with if an advertisement has been placed in an official *Gazette* referred to in subregulation 54(c)(ii); and
- (e) using reasonable alternative methods, as agreed to by the competent authority, in those instances where a person is desiring of but unable to participate in the process due to—
 - (i) illiteracy;
 - (ii) disability; or
 - (iii) any other disadvantage.

Content of Advertisements and Notices

A notice board, advertisement or notices must:

- (a) indicate the details of the application which is subjected to public participation; and
- (b) state—
 - (i) that the application has been submitted to the competent authority in terms of these Regulations, as the case may be;
 - (ii) whether basic assessment or scoping procedures are being applied to the application, in the case of an application for environmental authorisation;
 - (iii) the nature and location of the activity to which the application relates;
 - (iv) where further information on the application or activity can be obtained; and
 - (iv) the manner in which and the person to whom representations in respect of the application may be made.

Placement of Advertisements and Notices

Where the proposed activity may have impacts that extend beyond the municipal area where it is located, a notice must be placed in at least one provincial newspaper or national newspaper, indicating that an application will be submitted to the competent authority in terms of these regulations, the nature and location of the activity, where further information on the proposed activity can be obtained and the manner in which representations in respect of the application can be made, unless a notice has been placed in any *Gazette* that is published specifically for the purpose of providing notice to the public of applications made in terms of the EIA regulations.

Advertisements and notices must make provision for all alternatives.

Determination of Appropriate Measures

The 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, ratepayers associations and traditional authorities where appropriate. 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.

Comments and response report

The practitioner must record all comments and respond to each comment of the public before the application is submitted. The comments and responses must be captured in a comments and response report as prescribed in the EIA regulations and be attached to this application. The comments and response report must be attached under Appendix E.

Authority Participation

Please note that a complete list of all organs of state and or any other applicable authority with their contact details must be appended to the basic assessment report or scoping report, whichever is applicable.

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.

List of authorities informed:

Albert Luthuli Local Municipality
Gert Sibande District Municipality
Ward Councillor
South African Civil Aviation Authority
South Africa Historical Resources Agency

List of authorities from whom comments have been received:

No comments were received from any state authorities.

Consultation with other Stakeholders

Note that, for linear activities, or where deviation from the public participation requirements may be appropriate, the person conducting the public participation process may deviate from the requirements of that subregulation to the extent and in the manner as may be agreed to by the competent authority.

Proof of any such agreement must be provided, where applicable.

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):

-

4. NEED AND DESIRABILITY– IN TERMS OF *Regulation 22 sub-regulation 2 (g) of the EIA Regulations, 2010*

ACTIVITY MOTIVATION

1(a) Socio-economic value of the activity

What is the expected capital value of the activity on completion?

R 500 000

What is the expected yearly income that will be generated by or as a result of the activity?

Unknown

Will the activity contribute to service infrastructure?

YES **NO**

Is the activity a public amenity?

YES **NO**

How many new employment opportunities will be created in the development phase of the activity?

0

What is the expected value of the employment opportunities during the development phase?

R0

What percentage of this will accrue to previously disadvantaged individuals?

0%

How many permanent new employment opportunities will be created during the operational phase of the activity?

0

What is the expected current value of the employment opportunities during the first 10 years?

What percentage of this will accrue to previously disadvantaged individuals?

| |
|-----------|
| R0 |
| 0% |

(b) Need and desirability of the activity

Motivate and explain the need and desirability of the activity (including demand for the activity):

| NEED: | | | |
|--------------|--|------------|----|
| 1. | Was the relevant provincial planning department involved in the application? | YES | NO |
| 2. | Does the proposed land use fall within the relevant provincial planning framework? | YES | NO |
| 3. | If the answer to questions 1 and / or 2 was NO, please provide further motivation / explanation: | | |
| | - | | |

| DESIRABILITY: | | | |
|----------------------|---|------------|-----------|
| 1. | Does the proposed land use / development fit the surrounding area? | YES | NO |
| 2. | Does the proposed land use / development conform to the relevant structure plans, SDF and planning visions for the area? | YES | NO |
| 3. | Will the benefits of the proposed land use / development outweigh the negative impacts of it? | YES | NO |
| 4. | If the answer to any of the questions 1-3 was NO, please provide further motivation / explanation: | | |
| | - | | |
| 5. | Will the proposed land use / development impact on the sense of place? | YES | NO |
| 6. | Will the proposed land use / development set a precedent? | YES | NO |
| 7. | Will any person's rights be affected by the proposed land use / development? | YES | NO |
| 8. | Will the proposed land use / development compromise the "urban edge"? | YES | NO |
| 9. | If the answer to any of the question 5-8 was YES, please provide further motivation / explanation. | | |
| | <p>The sense of place or esthetical value of the environment will be negatively affected by the visibility of the structure. However, the telecommunication mast is identified as necessary modern infrastructure to improve telecommunication in the area. It is further argued that the possible negative visual impact is outweighed by the positive benefits of the mast.</p> <ul style="list-style-type: none"> A 54m high telecommunication mast will have a negative visual impact on the surrounding environment. Although much can be done to disguise lower structures or masts, very few can be done to hide a 54m high mast. The South Africa Civil Aviation Authority prescribe that all masts above 45m must be marked with day and night markings, i.e. red and white paint with red lights on top. This is required for tall structures to prevent aircraft accidents. Unfortunately, masts that need to be highly visible from the air to prevent aircraft accidents cannot be disguised easily to decrease visibility from the ground. The only possible long term solution is to plant tall trees around the mast to decrease visibility of the mast from the ground. The 54m high lattice mast painted red and white will be highly visible | | |

| | |
|--|---|
| | <p>from the air and from the ground on the short to medium range. The design of the mast cannot be disguised as a tree because of the SACAA required day and night markings. A tree type mast cannot be painted red and white. The only other possible design alternative would be a 54m high monopole type mast painted red and white. This design would result in a significantly higher visual impact because of the lower blending capability of the more solid type structure against the sky background. The proposed lattice type mast will have a lower visual impact on the medium to long range due to the higher blending capability of the more transparent type structure against the sky background. The monopole design would also not be suitable for this application due to the higher limitations with regard to antennae placement and associated supply cables as well as lower wind load capacity on a monopole type mast. Therefore the monopole type mast is not considered as a feasible design alternative for the proposed development. The lattice type mast is more suitable for the required antennae and associated equipment in terms of space and wind load capacity.</p> <ul style="list-style-type: none"> • The significance of the visual impact will further be determined by the amount of people who are exposed to the visibility of the mast: <ol style="list-style-type: none"> 1. The short range visual impact is limited to the local residents on the property (low density residential), the staff working on the farm and the travellers using the Kalkloof road from Badplaas, mainly restricted to forestry personnel. The short range visual impact is high due to the high visibility of the mast but considered to be of low significance due to relatively low amount of people who are exposed to it. 2. The medium range impact is limited to the same individuals as the short range impact. The medium range visual impact is high but considered to be of low significance due to the small amount of people who are exposed to it. 3. The long range visual impact is also limited to the same individuals as the short and medium range impact. Due to the more transparent type of mast (lattice structure), the blending capability against the sky background increases with distance away from the mast. Further blending capability is enhanced by the surrounding vegetation and topography of the landscape. Therefore the significance of the long range visual impact is considered to be low. <p>Overall significance of visual impact on the short, medium and long range is considered to be low due to the relatively low amount of people exposed to the mast, the screening of the mast by surrounding vegetation, topography and manmade structures as well as the high blending capability of the more transparent type structure against the sky background.</p> |
|--|---|

5. **ALTERNATIVES– IN TERMS OF *Regulation 22 sub-regulation 2 (h) of the EIA Regulations, 2010***

FEASIBLE AND REASONABLE ALTERNATIVES – Please refer to the motivation that no feasible and reasonable alternatives exists in this instance attached in Appendix G of this Basic Assessment Report.

“alternatives”, in relation to a proposed activity, means different means of meeting the general purpose and requirements of the activity, which may include alternatives to—

- the property on which or location where it is proposed to undertake the activity;
- the type of activity to be undertaken;
- the design or layout of the activity;
- the technology to be used in the activity;
- the operational aspects of the activity; and
- the option of not implementing the activity.

Describe 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 in the specific instance taking account of the interest of the applicant in the activity. The no-go alternative must in all cases be included in the assessment phase as the baseline against which the impacts of the other alternatives are assessed. The determination of whether 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. 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.

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 degrees and decimal minutes. The minutes should have at least three decimals to ensure adequate accuracy. The projection that must be used in all cases is the WGS84 spheroid in a national or local projection.

List alternative sites, if applicable.

| | Latitude (S): | | Longitude (E): | |
|--|---------------|---------|----------------|---------|
| Alternative: | | | | |
| Alternative S1 ¹ (preferred or only site alternative) | 25° | 56.515' | 30° | 25.502' |
| Alternative S2 (if any) | ° | ' | ° | ' |
| Alternative S3 (if any) | ° | ' | ° | ' |

In the case of linear activities:

| | Latitude (S): | | Longitude (E): | |
|--|---------------|---|----------------|---|
| Alternative: | | | | |
| Alternative S1 (preferred or only route alternative) | | | | |
| • Starting point of the activity | ° | ' | ° | ' |
| • Middle/Additional point of the activity | ° | ' | ° | ' |
| • End point of the activity | ° | ' | ° | ' |
| Alternative S2 (if any) | | | | |
| • Starting point of the activity | ° | ' | ° | ' |
| • Middle/Additional point of the activity | ° | ' | ° | ' |
| • End point of the activity | ° | ' | ° | ' |
| Alternative S3 (if any) | | | | |
| • Starting point of the activity | ° | ' | ° | ' |
| • Middle/Additional point of the activity | ° | ' | ° | ' |
| • End point of the activity | ° | ' | ° | ' |

¹ “Alternative S..” refer to site alternatives.

For route alternatives that are longer than 500m, please provide an addendum with co-ordinates taken every 250 meters along the route for each alternative alignment.

A. PHYSICAL SIZE OF THE ACTIVITY

Indicate the physical size of the preferred activity/technology as well as alternative activities/technologies (footprints):

Alternative:

Alternative A1² (preferred activity alternative)
Alternative A2 (if any)
Alternative A3 (if any)
or, for linear activities:

Size of the activity:

| |
|-------------------|
| 160m ² |
| m ² |
| m ² |

Length of the activity:

Alternative:

Alternative A1 (preferred activity alternative)
Alternative A2 (if any)
Alternative A3 (if any)

| |
|---|
| m |
| m |
| m |

Indicate the size of the alternative sites or servitudes (within which the above footprints will occur):

Alternative:

Alternative A1 (preferred activity alternative)
Alternative A2 (if any)
Alternative A3 (if any)

Size of the site/servitude:

| |
|----------------|
| 216.9738 Ha |
| H |
| m ² |

B. SITE ACCESS

Does ready access to the site exist?

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

| YES | NO |
|-----|----|
| - | |

Describe the type of access road planned:

| |
|---|
| - |
|---|

Include the position of the access road on the site plan and required map, as well as an indication of the road in relation to the site.

C. SITE OR ROUTE PLAN

A detailed site or route 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:

- 6.1 the scale of the plan which must be at least a scale of 1:500;
- 6.2 the property boundaries and numbers of all the properties within 50 metres of the site;
- 6.3 the current land use as well as the land use zoning of each of the properties adjoining the site or sites;

² "Alternative A.." refer to activity, process, technology or other alternatives.

- 6.4 the exact position of each element of the application as well as any other structures on the site;
- 6.5 the position of services, including electricity supply cables (indicate above or underground), water supply pipelines, boreholes, street lights, sewage pipelines, storm water infrastructure and telecommunication infrastructure;
- 6.6 all trees and shrubs taller than 1.8 metres;
- 6.7 walls and fencing including details of the height and construction material;
- 6.8 servitudes indicating the purpose of the servitude;
- 6.9 sensitive environmental elements within 100 metres of the site or sites including (but not limited thereto):
 - rivers;
 - the 1:100 year flood line (where available or where it is required by DWA);
 - ridges;
 - cultural and historical features;
 - areas with indigenous vegetation (even if it is degraded or invested with alien species);
- 6.10 for gentle slopes the 1 metre 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
- 6.11 the positions from where photographs of the site were taken.

D. SITE PHOTOGRAPHS

Colour photographs from the centre 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 Appendix B to this form. It must be supplemented with additional photographs of relevant features on the site, if applicable.

E. FACILITY ILLUSTRATION

A detailed illustration of the activity must be provided at a scale of 1:200 as Appendix C 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.

F. ADVANTAGES AND DISADVANTAGES OF THE PROPOSAL AND ALTERNATIVES

| ADVANTAGES: | | | |
|-------------|--|-----|----|
| 1. | Will the land use / development have any benefits for society in general? | YES | NO |
| 2. | Explain: The immediate benefits of the activity to society in general can be summarized as follows: <ul style="list-style-type: none"> • Increased and improved national MTN coverage footprint enabling users to communicate on the MTN network where ever they are. • Additional fulfilment of one of government's objectives to ensure the establishment of national communication network grids and services as part of a sustainable economic growth pattern. | | |
| 3. | Will the land use / development have any benefits for the local communities where it will be located? | YES | NO |
| 4. | Explain: | | |

| | | | |
|-----------------------|--|------------|-----------|
| | The motivation and benefits to society in general above apply to the local community directly. It will furthermore ensure that the communication capability and capacity of the local community will keep pace with the ever growing and availability of communication facilities nationwide. | | |
| DISADVANTAGES: | | | |
| 1. | Will the land use / development have any disadvantages for society in general? | YES | NO |
| | Explain: Aesthetics: The sense of place or esthetical value of the environment will be negatively affected by the visibility of the structure. However, the telecommunication mast is identified as necessary modern infrastructure to improve telecommunication in the area. Due to the relatively low number of people travelling through or working in the area surrounding the mast, the disadvantage of the visual impact is considered to be low. It is further argued that the possible negative visual impact is outweighed by the positive benefits of the mast. Therefore the aesthetical/visual impact is considered to be of low significance. | | |
| 2. | Will the land use / development have any disadvantages for the local communities where it will be located? | YES | NO |
| | Explain: | | |
| | The motivation and benefits to society in general also apply to the local community directly. It will furthermore ensure that the communication capability and capacity of the local community will keep pace with the ever growing and availability of communication facilities nationwide. | | |

6 & 7. IMPACT ASSESSMENT– IN TERMS OF *Regulation 22 sub-regulation 2 (i) – (j) of the EIA Regulations, 2010*

The assessment of impacts must adhere to the minimum requirements in the EIA Regulations, 2010, 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.

ISSUES RAISED BY INTERESTED AND AFFECTED PARTIES

List the main issues raised by interested and affected parties.

No issues were raised by any interested & affected party. Only one request was received to be registered as interested & affected party. The Draft Basic Assessment Report was sent to the I&AP's for their comments. No comments were received. The Final BAR was sent to the State Departments & I&AP's for their comments.

Response from the practitioner to the issues raised by the interested and affected parties (A full response must be given in the Comments and Response Report that must be attached to this report as Annexure E):

The sense of place or esthetical value of the environment will be negatively affected by the visibility of the structure. However, the telecommunication mast is identified as necessary modern infrastructure to improve telecommunication in the area. This structure will be an addition to the already existing railway line in the area that also has a negative visual impact. It is further argued that the possible negative visual impact is outweighed by the positive benefits of the mast.

- A 54m high telecommunication mast will have a negative visual impact on the surrounding environment. Although much can be done to disguise lower structures or masts, very few can be done to hide a 54m high mast. The

South Africa Civil Aviation Authority prescribe that all masts above 45m must be marked with day and night markings, *i.e.* red and white paint with red lights on top. This is required for tall structures to prevent aircraft accidents. Unfortunately, masts that need to be highly visible from the air to prevent aircraft accidents cannot be disguised easily to decrease visibility from the ground. The only long term solution is to plant tall trees around the mast to decrease visibility of the mast from the ground.

- The 54m high lattice mast painted red and white will be highly visible from the air and from the ground on the short to medium range. The design of the mast cannot be disguised as a tree because of the SACAA prescribed day and night markings. A tree type mast cannot be painted red and white. The only other possible design alternative would be a 54m high monopole type mast painted red and white. This design would result in a significantly higher visual impact because of the lower blending capability of the more solid type structure against the sky background. The proposed lattice type mast will have a lower visual impact on the medium to long range due to the higher blending capability of the more transparent type structure against the sky background. The monopole design would also not be suitable for this application due to the higher limitations with regard to antennae placement and associated supply cables as well as wind load capacity on a monopole type mast. The lattice type mast is more suitable for the required antennae and associated equipment in terms of space and wind load capacity.
- The significance of the visual impact will further be determined by the amount of people who are exposed to the visibility of the mast:
 1. The short range visual impact is limited to the local residents on the property (low density residential), the staff working on the farm and the travellers using the Kalkloof road from Badplaas, mainly restricted to forestry personnel. The short range visual impact is high due to the high visibility of the mast but considered to be of low significance due to relatively low amount of people who are exposed to it.
 2. The medium range impact is limited to the same individuals as the short range impact. The medium range visual impact is high but considered to be of low significance due to the small amount of people who are exposed to it.
 3. The long range visual impact is also limited to the same individuals as the short and medium range impact. Due to the more transparent type of mast (lattice structure), the blending capability against the sky background increases with distance away from the mast. Further blending capability is enhanced by the surrounding vegetation and topography of the landscape. Therefore the significance of the long range visual impact is considered to be low.

Overall significance of visual impact on the short, medium and long range is considered to be low due to the relatively low amount of people exposed to the mast, the screening of the mast by surrounding vegetation, topography and manmade structures as well as the high blending capability of the more transparent type structure against the sky background.

IMPACTS THAT MAY RESULT FROM THE PLANNING AND DESIGN, CONSTRUCTION, OPERATIONAL, DECOMMISSIONING AND CLOSURE PHASES AS WELL AS PROPOSED MANAGEMENT OF IDENTIFIED IMPACTS AND PROPOSED MITIGATION MEASURES

List the potential direct, indirect and cumulative property/ activity/ design/ technology/ operational alternative related impacts (as appropriate) that are likely to occur as a result of the planning and design phase, construction phase, operational phase,

decommissioning and closure phase, including impacts relating to the choice of site/activity/technology alternatives as well as the mitigation measures that may eliminate or reduce the potential impacts listed.

IMPACTS THAT MAY RESULT FROM THE PLANNING AND DESIGN PHASE

List the potential site alternative related impacts (as appropriate) that are likely to occur as a result of the planning and design phase, including impacts relating to the choice of site alternatives.

Alternative S1:

Direct impacts:

PHYSICAL:

1. Safety aspects: The following safety aspects were taken into consideration in planning the base station:
 - Position & height in terms of official airports, helipads and air traffic routes as determined by SACAA. Mitigated in terms of the SACAA prescribing day & night markings to prevent aircraft accidents.
 - General installation safety for the general public, owners, technicians etc.: Engineering services incorporated in the design of the mast, foundations and other design and construction safety aspects of the base station;
 - Base station to be surrounded with a 2.4m high steel palisade fence to prevent unauthorised access to the base station area and mast.
2. Visual impact: Evaluation of structure type, height & position, taking into consideration the purpose and objective of the planned activity in terms of mobile telecommunication coverage area and quality of coverage. Establishment of 54m lattice telecommunication mast painted red & white selected as most appropriate based on:
 - Investigation of sharing existing infrastructure:
The specific site requirements needed by MTN are:
 - Physical space for two sets of antennae, and 12 feeder cables;
 - Physical space for wind driven generator on top of mast;
 - Wind load capacity for above mentioned equipment;
 - Minimum height of 54m to reach required coverage objectives;
 - Physical space for solar panel at bottom of mast; and
 - Space and load capacity for future upgrading or advances in technology.
 - No existing facility or infrastructure within range that can fulfil the required capacity in terms of the coverage objectives.
 - 54m height required to achieve maximum coverage objectives in the specific environment and therefore reducing the need for additional base stations to achieve/maintain the same coverage within the coverage target area;
 - Lattice type structure most suitable to fulfil the coverage objectives of the base station due to the coverage range required and the high flexibility of utilising the mast height for varying antennae installation configurations due to the specific characteristics of the area;
 - Lattice design mast painted red & white provides maximum mitigation from the air to prevent aircraft accidents by increased visibility. Red & white lattice mast provides low mitigation of the visual impact from the ground on the short to medium range viewpoints due to the high visibility of the structure. The lattice structure provides high mitigation on the long range due to the high blending capability of the more transparent type mast against the sky background. The overall significance of the actual visual impact of the mast is considered to be low due to the low population density in the direct area surrounding the mast and will further be screened by the topography, the surrounding vegetation and buildings.

BIOLOGICAL:

No expected or proven biological impacts will result from the proposed development. The base station is situated in an area that is already disturbed by human activity. No endangered plants or tall trees will need to be removed from the 160m² footprint site. The new 60m long two track access road doesn't need any construction but will be established only by driving from the existing road towards the mast through open (disturbed) grassland.

SOCIO-ECONOMIC:

Site position has been determined based on the requirement to deliver mobile telecommunication signal coverage and availability within the target area enabling the residents, business entities and the general public within the area to select and maintain quality telecommunication services and connectivity via the MTN mobile telecommunication network. MTN (Pty) Ltd is obliged to fulfil their licence terms and conditions, as determined by government, in providing mobile telephony and related services on a reliable national network grid.

Indirect impacts:

The property coverage and development potential has been taken into consideration in selecting the position of the activity. The exact position of the activity on the property was determined, in consultation with the property owner, to minimise the possible impact on existing operations and future development plans or phases. Therefore the commercial value of the property is maintained. Electricity will be supplied from the new wind driven generator as well as the solar panel. Minimum usage due to economical and energy efficient design.

Cumulative impacts:

No cumulative impacts relating to the design and planning phases are applicable.

Alternative S2

Applied for exemption

Alternative S3

Applied for exemption.

No-go alternative (compulsory)*Direct impacts:*

- Status quo: Unacceptable mobile telecommunication coverage and quality standards on the MTN (Pty) Ltd network within the target area;
- Status quo: Limitations in terms of mobile telecommunication network choice for residents, businesses and the general public;
- No visual impact on the base station, specifically the mast structure, on the short, medium and long distance visual impact.

Indirect impacts:

- Non performance in terms of the MTN (Pty) Ltd license conditions as prescribed by government.
- Potential loss of income for businesses and individuals in the area currently contracted on the MTN (Pty) Ltd network as well as potential losses on commercial opportunities, clients etc. for the network operator.

Cumulative impacts:

- Potential negative economical impact on the mobile telecommunication coverage target area.
- MTN (Pty) Ltd not fulfilling the applicable required license conditions.
- Incomplete MTN (Pty) Ltd mobile telecommunication network.

Indicate mitigation measures that may eliminate or reduce the potential impacts listed above:

| Alternative S1 | Alternative S2 | Alternative S3 |
|--|------------------------------|-------------------------------|
| 1. Prescribed SACAA day & night markings to prevent aircraft accidents. 2. Lattice type mast painted red & white to provide maximum mitigation on visual impact. 3. 2.4m high steel palisade fence enclosure to prevent unauthorised access to the mast. 4. Provision for infrastructure sharing. | Applied for exemption | Applied for exemption. |

List the potential activity/technology alternative related impacts (as appropriate) that are likely to occur as a result of the planning and design phase:

Alternative A1

Direct impacts:

There are no activity or technology alternatives for the establishment of mobile telecommunication base stations.

Indirect impacts:

-

Cumulative impacts:

-

Alternative A2

Applied for exemption

Alternative A3

Applied for exemption.

No-go alternative (compulsory)

Direct impacts:

Status quo

Indirect impacts:

Status quo

Cumulative impacts:

Status quo

Indicate mitigation measures that may eliminate or reduce the potential impacts listed above:

Alternative A1:

There are no activity or technology alternatives for the establishment of mobile telecommunication base stations.

Alternative A2:

Applied for exemption

Alternative A3:

Applied for exemption.

IMPACTS THAT MAY RESULT FROM THE CONSTRUCTION PHASE

List the potential site alternative related impacts (as appropriate) that are likely to occur as a result of the construction phase:

Alternative S1

Direct impacts:

Construction of the telecommunication base station will extend over a period of approximately 6 weeks only;

1. Increased activity and traffic at the property including material delivery and work team movements.
2. Minimum disruption of operations within the vicinity as the base station is located in an area with low activity.
3. Increased workplace accident risk due to the mere occurrence of the activity.
4. Creation of dust and disturbance of specific soil layers due to earthwork activities.
5. Erosion and contamination of topsoil.
6. Generation of standard building rubble & the transportation thereof to the appropriate licensed landfill site.
7. Generation of construction noise created by earthwork machinery and other applicable tooling used for the establishment of the base station.

Indirect impacts:

Additional waste at appropriately certified dumping site.

Cumulative impacts:

Construction activity.

Alternative S2

Applied for exemption

Alternative S3

Applied for exemption.

No-go alternative (compulsory)

Direct impacts:

Status quo

Indirect impacts:

Status quo

Cumulative impacts:

Status quo

Indicate mitigation measures that may eliminate or reduce the potential impacts listed above:

| Alternative S1 | Alternative S2 | Alternative S3 |
|---|------------------------------|-------------------------------|
| <ol style="list-style-type: none"> 1. Specific arrangements with property owner to minimise disruption of normal activities. 2. Implement & maintain specific construction site safety measures in accordance with the applicable clauses of the OHS Act. 3. Implement specific construction measures to prevent dust e.g. regular sprinkling bare | Applied for exemption | Applied for exemption. |

| | | |
|--|--|--|
| <p>areas with water as needed.</p> <p>4. Prevent and minimise construction waste generation. Transport construction waste on a regular basis to the appropriate landfill site.</p> <p>5. Store topsoil separately for appropriate landscaping distribution on completion of construction. Prevent pollution and contamination and erosion of topsoil by covering it with water proof covering when experiencing rainy or windy conditions. Service construction vehicles and machinery before construction to ensure that no oil or fuel will leak onto soil.</p> <p>6. Minimise noise generation to absolute minimum. Service vehicles and machinery before start of construction to ensure proper working condition. Construction activities should not be allowed outside normal working hours or on Sundays and Public Holidays.</p> | | |
|--|--|--|

List the potential activity/technology alternative related impacts (as appropriate) that are likely to occur as a result of the construction phase:

Alternative A1

Direct impacts:

There are no activity or technology alternatives for the establishment of mobile telecommunication base stations.

Indirect impacts:

-

Cumulative impacts:

-

Alternative A2

Applied for exemption

Alternative A3

Applied for exemption.

No-go alternative (compulsory)**Direct impacts:****Status quo.****Indirect impacts:****Status quo.****Cumulative impacts:****Status quo.**

Indicate mitigation measures that may eliminate or reduce the potential impacts listed above:

Alternative A1:

There are no activity or technology alternatives for the establishment of mobile telecommunication base stations.

Alternative A2:

Applied for exemption

Alternative A3:

Applied for exemption.

IMPACTS THAT MAY RESULT FROM THE OPERATIONAL PHASE

List the potential site alternative related impacts (as appropriate) that are likely to occur as a result of the operational phase:

Alternative S1**Direct impacts:**

1. Non-ionising electromagnetic fields emissions on allocated frequency.
2. Increase in potential air traffic obstacles.
3. Visual impact of the 54m lattice mast painted red & white on short, medium and long distance observation.
4. Increased mobile telecommunication network capacity.

Indirect impacts:

1. Increased use of quality telecommunication services with the appropriate revenue increase and potential increased economic activity and financial returns.

Cumulative impacts:

1. Increased telecommunication infrastructure availability and quality.

Alternative S2

Applied for exemption

Alternative S3

Applied for exemption.

No-go alternative (compulsory)**Direct impacts:****Status quo.****Indirect impacts:****Status quo.****Cumulative impacts:****Status quo.**

Indicate mitigation measures that may eliminate or reduce the potential impacts listed above:

Alternative S1

1. Scheduled preventative maintenance program

Alternative S2

Applied for exemption

Alternative S3

Applied for exemption.

| | | |
|--|--|--|
| <p>implementation and control.</p> <p>2. Maintain level of non-ionising electromagnetic field emissions within International Commission on Non-Ionising Radiation Protection (ICNIRP) & World Health Organisation (WHO) guidelines.</p> <p>3. Installation/application and maintenance of day & night markings as prescribed by SACAA to reduce potential air traffic safety impact.</p> <p>4. Lattice design mast painted red & white provides maximum mitigation due to the high blending capability of the transparent type structure against the sky background. The significance of the visual impact of the mast is considered to be low due to the low population density in the direct area surrounding the mast and will further be screened by the buildings, surrounding vegetation and topography.</p> | | |
|--|--|--|

List the potential activity/technology alternative related impacts (as appropriate) that are likely to occur as a result of the operational phase:

Alternative A1

Direct impacts:

There are no activity or technology alternatives for the establishment of mobile telecommunication base stations.

Indirect impacts:

-

Cumulative impacts:

-

Alternative A2

Applied for exemption

Alternative A3

Applied for exemption.

No-go alternative (compulsory)

Direct impacts:

Status quo.

Indirect impacts:

Status quo.

Cumulative impacts:
Status quo.

Indicate mitigation measures that may eliminate or reduce the potential impacts listed above:

| Alternative A1 | Alternative A2 | Alternative A3 |
|--|------------------------------|-------------------------------|
| There are no activity or technology alternatives for the establishment of mobile telecommunication base stations. | Applied for exemption | Applied for exemption. |

IMPACTS THAT MAY RESULT FROM THE DECOMMISSIONING AND CLOSURE PHASE

List the potential site alternative related impacts (as appropriate) that are likely to occur as a result of the decommissioning or closure phase:

Alternative S1

Direct impacts:

- 1. Establishment of new mobile telecommunication infrastructure elsewhere to fill the network coverage gap caused by decommissioning.**
- 2. Creation of waste due to decommissioning.**
- 3. Disturbed area.**

Indirect impacts:

Potential waste of resources.

Cumulative impacts:

None

Alternative S2

Applied for exemption

Alternative S3

Applied for exemption.

No-go alternative (compulsory)

Direct impacts:

Status quo.

Indirect impacts:

Status quo.

Cumulative impacts:

Status quo.

Indicate mitigation measures that may eliminate or reduce the potential impacts listed above:

| Alternative S1 | Alternative S2 | Alternative S3 |
|--|------------------------------|-------------------------------|
| 1. Ensure planned base station fulfils planned and required network parameters i.e. prevent decommissioning. 2. If decommissioning is required the site area must be rehabilitated to its original state. | Applied for exemption | Applied for exemption. |

List the potential activity/technology alternative related impacts (as appropriate) that are likely to occur as a result of the decommissioning and closure phase:

Alternative A1

There are no activity or technology alternatives for the establishment of mobile telecommunication base stations.

Direct impacts:

-

Indirect impacts:

-

Cumulative impacts:

-

Alternative A2

Applied for exemption

Alternative A3

Applied for exemption.

No-go alternative (compulsory)

Direct impacts:

Status quo.

Indirect impacts:

Status quo.

Cumulative impacts:

Status quo.

Indicate mitigation measures that may eliminate or reduce the potential impacts listed above:

Alternative A1

There are no activity or technology alternatives for the establishment of mobile telecommunication base stations.

Alternative A2

Applied for exemption

Alternative A3

Applied for exemption.

ENVIRONMENTAL IMPACT STATEMENT

Taking the assessment of potential impacts into account, please provide an environmental impact statement that summarises the impact that the proposed activity 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.

Alternative 1

The positive 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 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 approximately 6 weeks only.
2. 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.

3. The permanent visual impact of the lattice telecommunication mast is the highest contributing negative impact of the proposed activity on the receiving environment. Lattice design mast painted red & white provides maximum mitigation from the air due to the higher visibility to aircraft. Red & white lattice mast provides high mitigation of the visual impact on the short to long range viewpoints due to the higher blending capability of the more transparent type mast against the sky background. The significance of the visual impact of the mast is considered to be low due to the low population density in the direct area surrounding the mast and will further be screened by the buildings and the surrounding vegetation and topography.
4. The site is designed for use by additional telecommunication service providers. This mitigation measure will possibly prevent the establishment of additional base stations by other operators within the immediate area.

Biological impacts:

5. No expected or proven biological impacts will result from the proposed development. The base station is situated in an area that is already disturbed by human activity. No endangered plants or tall trees will need to be removed from the 160m² footprint site. The new 60m long two track access road doesn't need any construction but will be established only by driving from the existing road towards the mast through open (disturbed) grassland.

Socio-economic impacts:

6. Site position has been determined based on the requirement to deliver mobile telecommunication signal coverage and availability within the target area enabling the residents, business entities and the general public within the area to select and maintain quality telecommunication services and connectivity via the MTN mobile telecommunication network. MTN (Pty) Ltd is obliged to fulfil their licence terms and conditions, as determined by government, in providing mobile telephony and related services on a reliable national network grid.

Alternative 2

Applied for exemption

Alternative 3

Applied for exemption.

No-go alternative (compulsory)

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

8. **ANY INPUTS AND RECOMMENDATIONS MADE BY SPECIALISTS TO THE EXTENT THAT MAY BE NECESSARY – IN TERMS OF *Regulation 22 sub-regulation 2 (k) of the EIA Regulations, 2010* - Not in the scope of this application**
9. **THE EMPR IS ATTACHED AS APPENDIX F - IN TERMS OF *Regulation 22 sub-regulation 2 (l) of the EIA Regulations, 2010***
10. **ASSUMPTIONS, UNCERTAINTIES AND GAPS IN KNOWLEDGE – IN TERMS OF *Regulation 22 sub-regulation 2 (m) of the EIA Regulations, 2010***

The information in this report is sufficient for the purposes of providing the department with sufficient information to make an informed decision to grant approval or not.

The nature of an impact study is always based on predicting the impacts of a proposed activity / development based on knowledge that can be substantiated and where there are gaps in knowledge, there are uncertainties and assumptions are also made.

There are no significant gaps in knowledge in this impact study. The only uncertainty due to a gap in knowledge in this impact study includes the health effects of non-ionised electromagnetic fields with power density $< 10\text{W/m}^2$ emitted from telecommunication antennae (operational phase), but not the listed activity i.e. the mast. We refer to the Department of Health Guidelines based on the International Commission on Non-Ionising Radiation Protection (ICNIRP) and the World Health Organisation (WHO) guidelines. According to these guidelines the non-ionised electromagnetic fields emitted by antennae mounted on telecommunication masts are well below the recommended level and is therefore improbable to have harmful effects on the health of human beings.

11. A REASONED OPINION AS TO WHETHER THE ACTIVITY SHOULD OR SHOULD NOT BE AUTHORISED, AND IF THE OPINION IS THAT IT SHOULD BE AUTHORISED, ANY CONDITIONS THAT SHOULD BE MADE IN RESPECT OF THAT AUTHORISATION – IN TERMS OF *Regulation 22 sub-regulation 2 (n) of the EIA Regulations, 2010*

The Environmental Assessment Practitioner is of the opinion that the activity may be authorised due to:

Increased and improved national MTN coverage footprint enabling users to communicate on the MTN network where ever they are.

Additional fulfilment of one of government's objectives to ensure the establishment of national communication network grids and services as part of a sustainable economic growth pattern.

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

Should the activity not be authorised it will result in an incomplete network hampering and restricting communication quality and quantity on the network.

The possible negative impacts on the surrounding environment are of low significance.

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. Establishment of a 54m lattice telecommunication mast painted red & white to be established on the Alternative 1 proposed position as indicated on attached plans.
2. Measures to be implemented for the duration of the construction period to prevent unauthorised access to the construction site.
3. Dust suppression measures to be implemented during earthworks.
4. Construction only to take place within normal daytime working hours.
5. Appropriate arrangements to be made with the property owner for the use of existing sanitation facilities by construction workers or otherwise the contractor must provide chemical toilets during the construction phase.

6. Telecommunication base station to be enclosed with a 2.4m high steel palisade fence.
7. Required electricity connection point to be established in consultation with the property owner and electricity supplier.
8. Topsoil to be stored separately for appropriate landscaping distribution on completion of construction.
9. All the prevention and mitigation measures described in this report and in the EMPR must be implemented and monitored.

SECTION E: CONSULTATION WITH OTHER STATE DEPARTMENTS – IN TERMS OF Regulation 22 sub-regulation 2 (f) (iii) of the EIA Regulations, 2010

Provide a list of all State Departments / Organs of State that have been consulted and registered as interested and affected parties, and to whom draft reports have been submitted for comment. **Proof of submission / delivery of the draft report to all State Department / Organs of State must be attached to this document.**

| | | | |
|------------------------|---|--------------|---------------------|
| Department: | Albert Luthuli Local Municipality | | |
| Contact person: | Mr. Vusimuzi Nelson Mpila – (Acting) Municipal Manager | | |
| Postal address: | P O Box 24, CAROLINA | | |
| Postal code: | 1185 | Cell: | - |
| Telephone: | 017 843 4026 | Fax: | 017 843 4001 |
| E-mail: | - | | |

| | | | |
|------------------------|--|--------------|---------------------|
| Department: | Albert Luthuli Local Municipality | | |
| Contact person: | Busisiwe Shiba (Ward 1) – Ward Councillor | | |
| Postal address: | P O Box 24, CAROLINA | | |
| Postal code: | 1185 | Cell: | - |
| Telephone: | - | Fax: | 017 843 4001 |
| E-mail: | - | | |

| | | | |
|------------------------|---|--------------|---------------------|
| Department: | Gert Sibande District Municipality | | |
| Contact person: | Mr M Ngcobo | | |
| Postal address: | P O Box 550, Secunda | | |
| Postal code: | 2302 | Cell: | - |
| Telephone: | - | Fax: | 017 631 1607 |
| E-mail: | Marinda.booth@gsibande.gov.za | | |

| | | | |
|------------------------|--|--------------|---------------------|
| Department: | South African Heritage Resources Agency | | |
| Contact person: | Mr P Hine | | |
| Postal address: | PO Box 4637, Cape Town | | |
| Postal code: | 8000 | Cell: | - |
| Telephone: | 021 462 4502 | Fax: | 021 462 4509 |
| E-mail: | phine@sahra.org.za | | |

| | | | |
|------------------------|---------------------------------------|--------------|---------------------|
| Department: | SACAA | | |
| Contact person: | Lizell Stroh | | |
| Postal address: | Private Bag x73, Halfway House | | |
| Postal code: | 1685 | Cell: | - |
| Telephone: | 011 545 1000 | Fax: | 011 545 1451 |
| E-mail: | - | | |

| | | | |
|-----------------|---|-------|---|
| Department: | - | | |
| Contact person: | - | | |
| Postal address: | - | | |
| Postal code: | - | Cell: | - |
| Telephone: | - | Fax: | - |
| E-mail: | - | | |

SECTION F: APPENDICES

The following appendices must be attached to the basic assessment report as appropriate:

Appendix A: Site plan(s) – **IN TERMS OF Regulation 22 sub-regulation 2 (c) of the EIA Regulations, 2010**

Appendix B: Photographs – **IN TERMS OF Regulation 22 sub-regulation 2 (c) of the EIA Regulations, 2010**

Appendix C: Facility illustration(s) – **IN TERMS OF Regulation 22 sub-regulation 2 (c) of the EIA Regulations, 2010**

Appendix D: Specialist reports – **IN TERMS OF Regulation 22 sub-regulation 2 (k) of the EIA Regulations, 2010 – No specialist input required**

Appendix E: Comments and Response Report – **IN TERMS OF Regulation 22 sub-regulation 2 (f) (iv) and 2 (o) and (q) of the EIA Regulations, 2010**

Appendix F: Environmental Management Programme (EMPr) – **IN TERMS OF Regulation 22 sub-regulation 2 (l) of the EIA Regulations, 2010**

Appendix G: Other information

G1: Public Participation – **IN TERMS OF Regulation 22 sub-regulation 2 (f) of the EIA Regulations, 2010**

G1 (a) – Public Participation - Proof of Site Notice

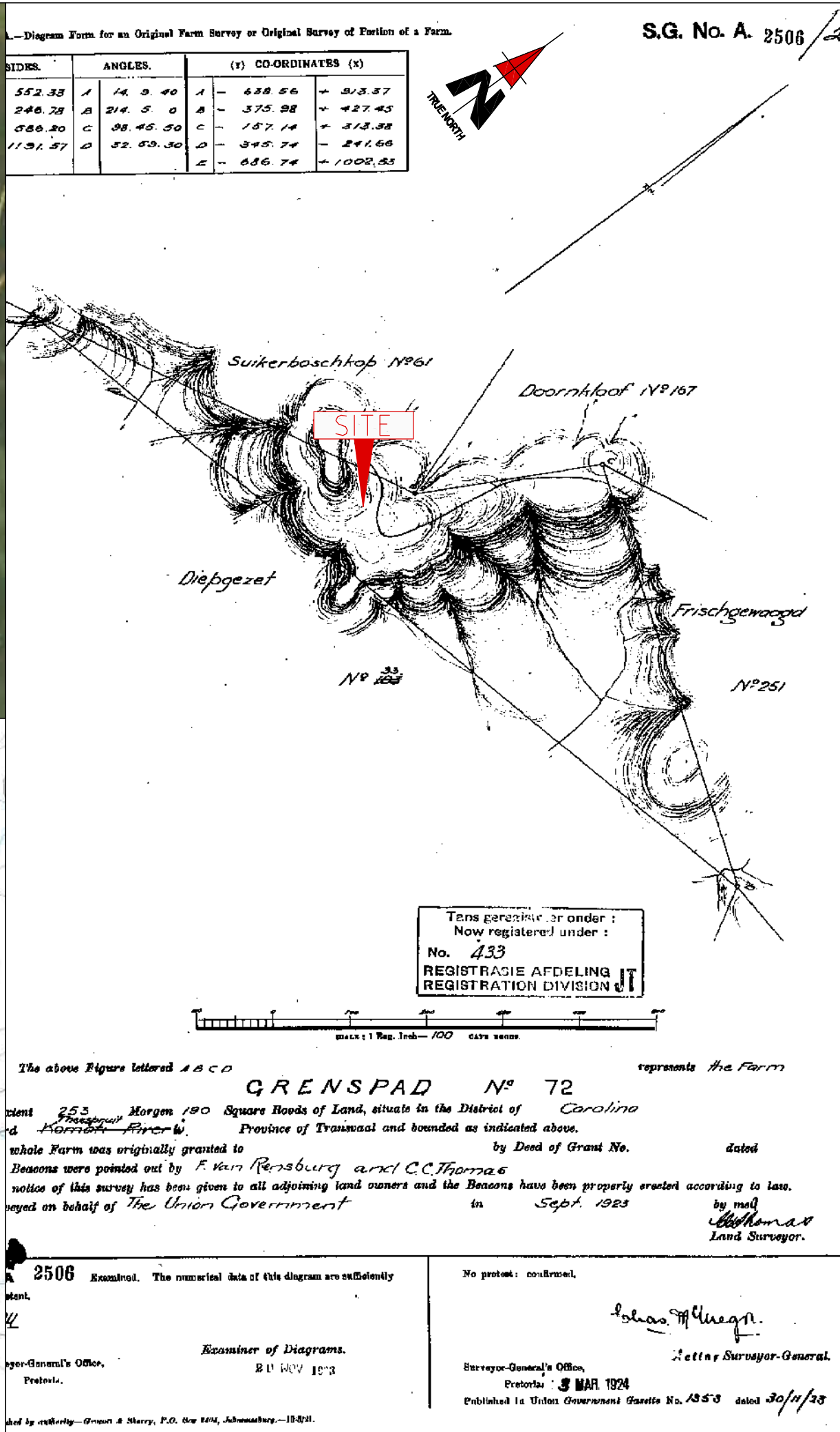
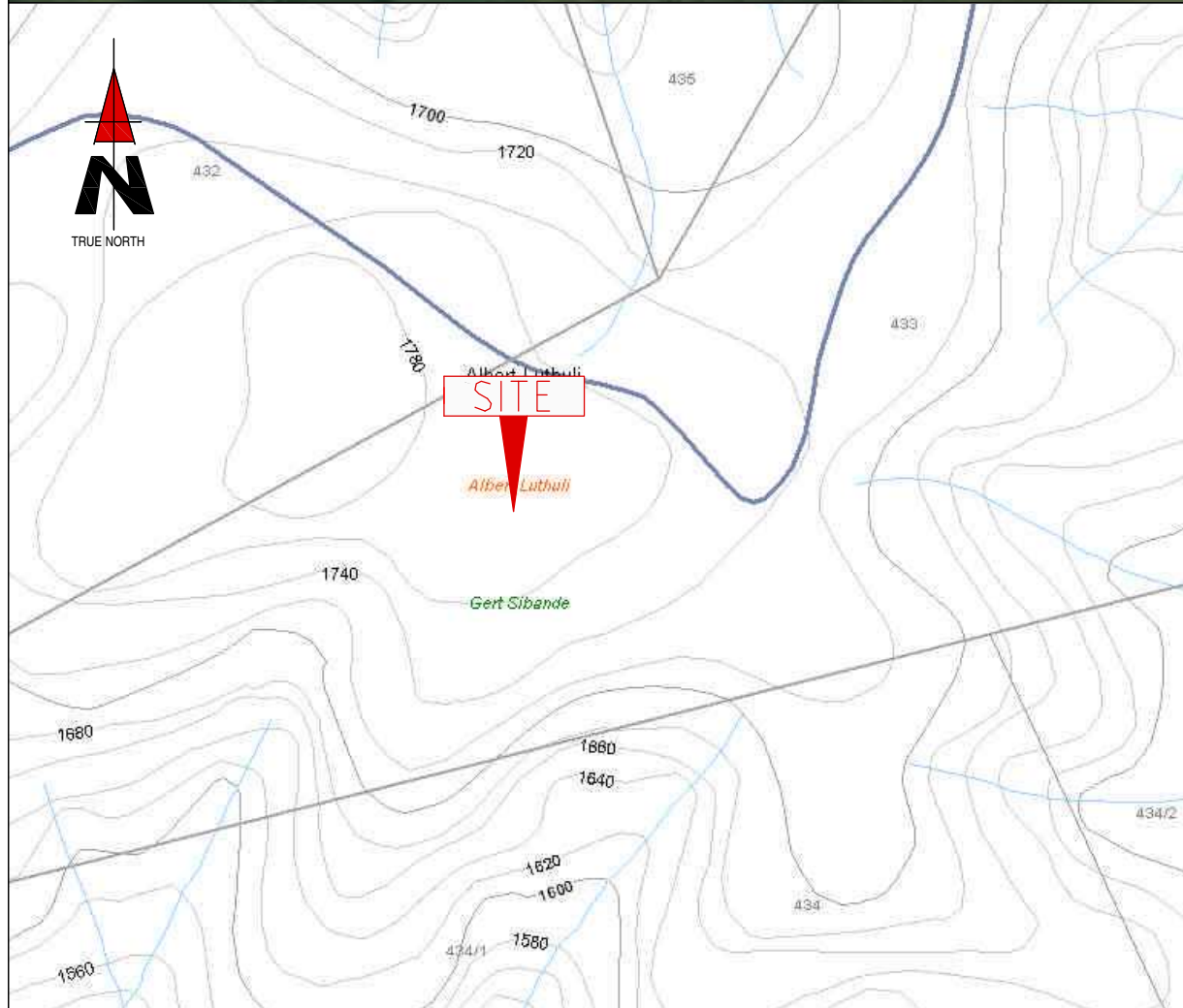
G1 (b) – Public Participation – Written Notices to I&AP

G1 (c) – South African Civil Aviation Authority Approval

G1 (d) – Public Participation – Proof of Newspaper Advertisement

G2: Motivation for exemption of assessing reasonable or feasible alternatives, as contemplated in subregulation 22 (2) (h) - **IN TERMS OF Regulation 22 sub-regulation 4 of the EIA Regulations, 2010**

Appendix A: Site Plans



1267 Pretorius Street
Block B, Hadevelds Complex
Hatfield, 0083

Tel. +27 (12) 342 2900
Fax: +27 (12) 342 9208

Postnet Suite 146
Private Bag X15
Menlo Park

SITE NAME: DIEPGESIT SAPPI

BASE STATION NUMBER: T9244

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| | | | |

NOTES:
OWNER: RUST HENDRIK JACOBUS

STRICTLY COMPANY CONFIDENTIAL

PROPERTY DESCRIPTION:
REMAINING EXTENT OF THE FARM
GRENSPAD 433 JT

COORDINATES:
LAT: 25° 56' 30.90" S
LONG: 30° 25' 30.10" E

PROJECT:
NEW 16x10 TELECOMMUNICATION BASESTATION
WITH A 54m TOPO LATTICE MAST FOR MTN (PTY) LTD

ADDRESS:
SAPPI FORESTS,
KALKLOOF ROAD,
BADPLAAS,
MPUMALANGA



414 Rustic Road
Silvertondale
0184

Tel. +27 (12) 804 1504/6
Fax: +27 (12) 804 7072
admin@infraplan.co.za

P.O. Box 32017
Totiusdal
0134

RFQ NO.: 148732

PROJECT NUMBER: 116858

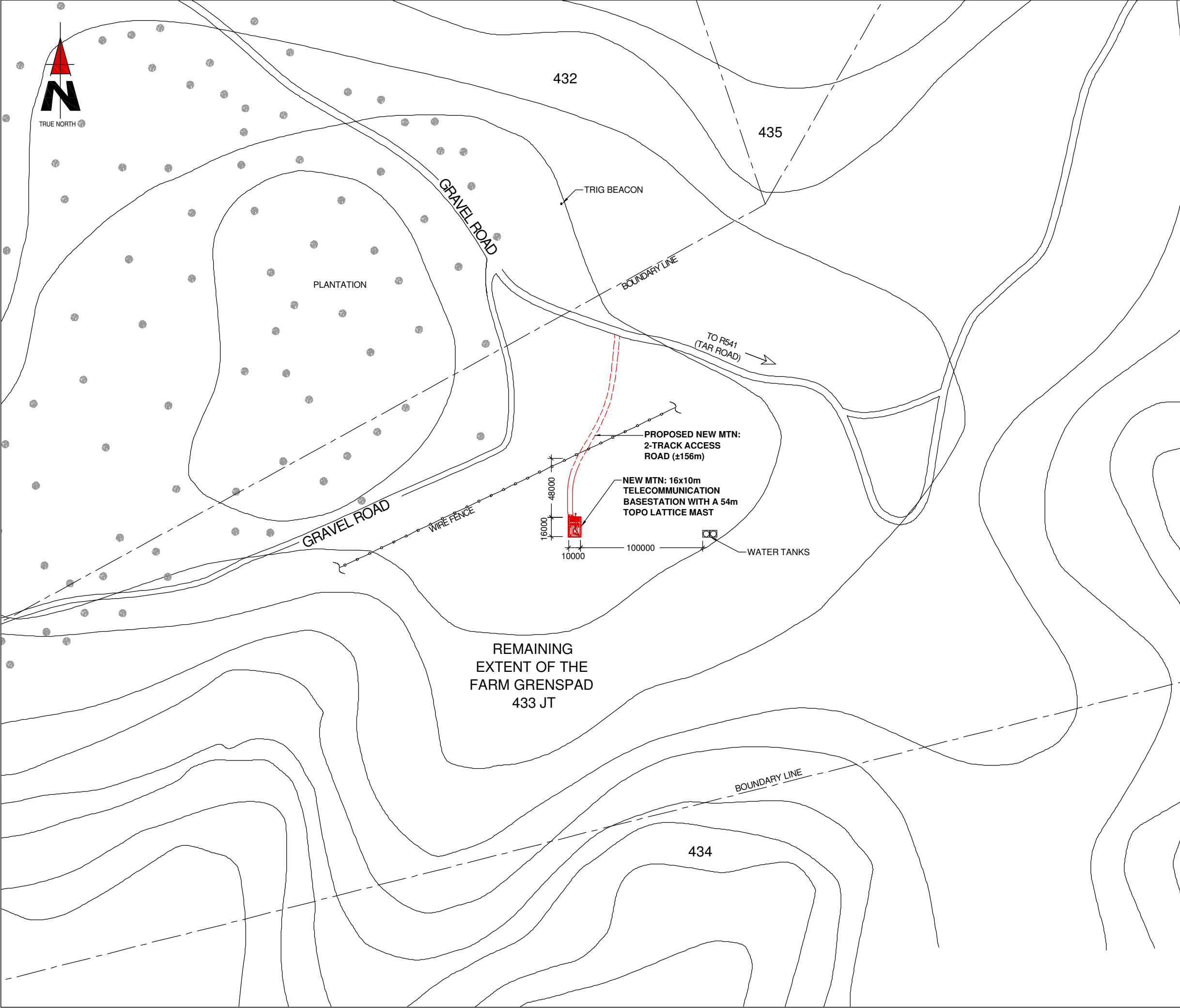
DRAWINGS MUST NOT BE SCALED. ONLY FIGURED DIMENSIONS TO BE USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT OF WORK.

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ISSUE 1 REVISION 0 NOVEMBER 2007

DRAWN: MELISSA YOUNG DATE: 22/11/2011

SCALE: NTS REF. NO: 812/T9244

CADASTRAL INFO
SHEET 2 OF 9



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Hatfield, 0083

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Fax: +27 (12) 342 9208

Postnet Suite 146
Private Bag X15
Menlo Park

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MPUMALANGA



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Fax: +27 (12) 804 7072
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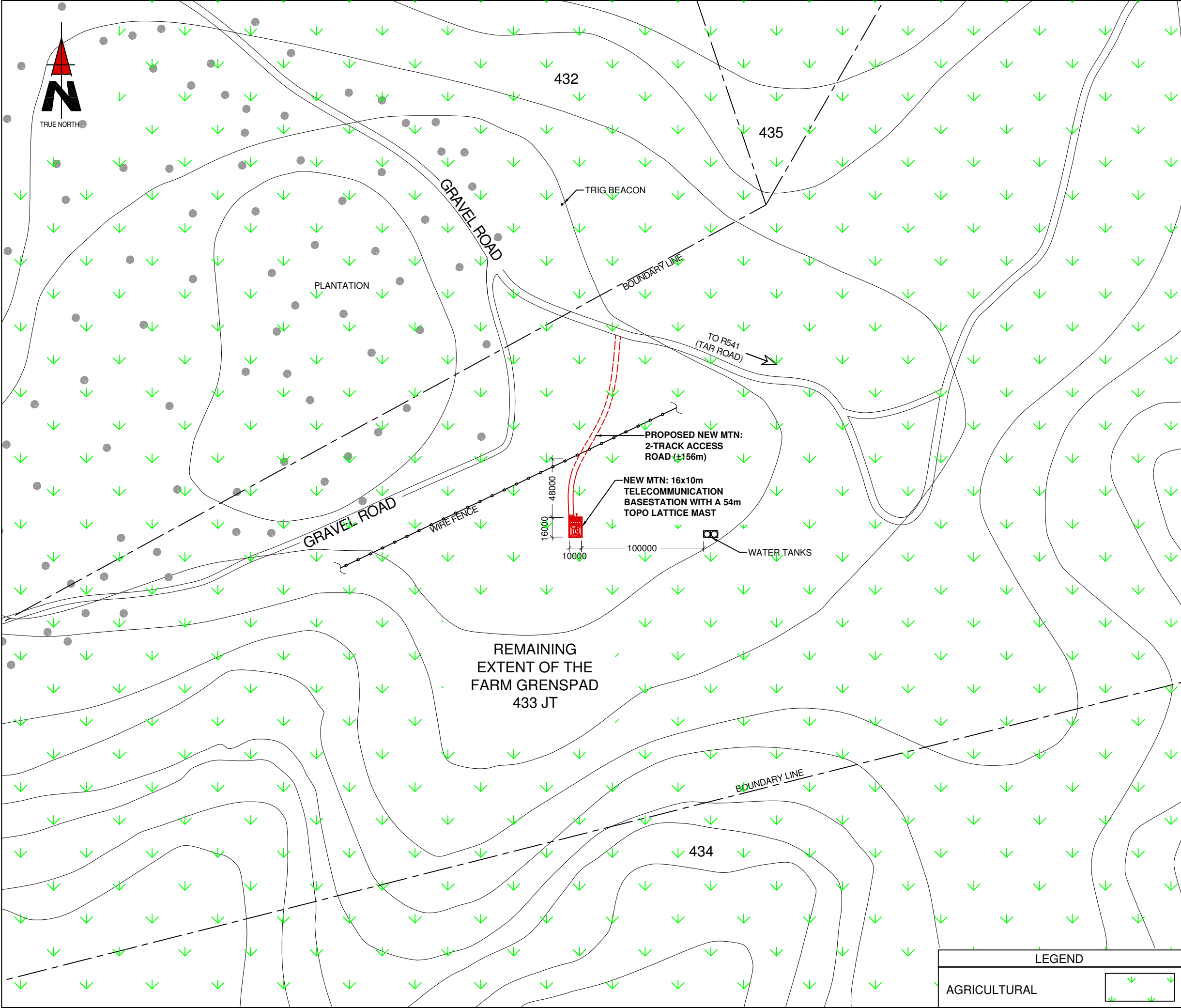
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ISSUE 1 REVISION 0 NOVEMBER 2007

DRAWN: MELISSA YOUNG
SCALE: 1:3000

DATE: 22/11/2011
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SITE DEVELOPMENT PLAN
SHEET 3 OF 9



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Private Bag X15
Menlo Park

SITE NAME: **DIEPGESIT SAPPI**

BASE STATION NUMBER: **T9244**

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BADPLAAS,
MPUMALANGA



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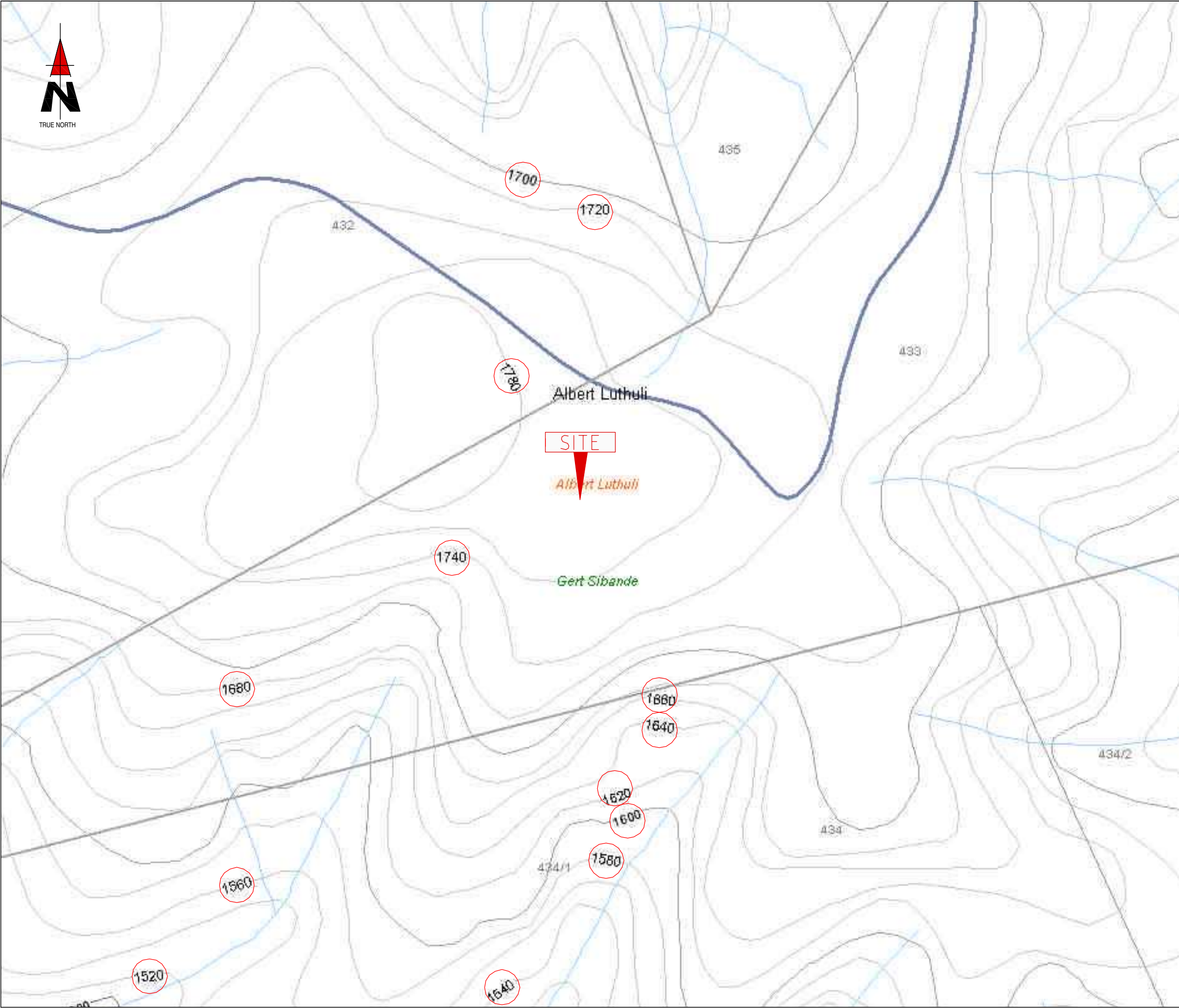
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| LEGEND | |
|--------------|--|
| AGRICULTURAL | |

CURRENT LAND USE
SHEET 4 OF 9



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Menlo Park

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CONTOUR INTERVAL
SHEET 5 OF 9

Appendix B: Site Photographs

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

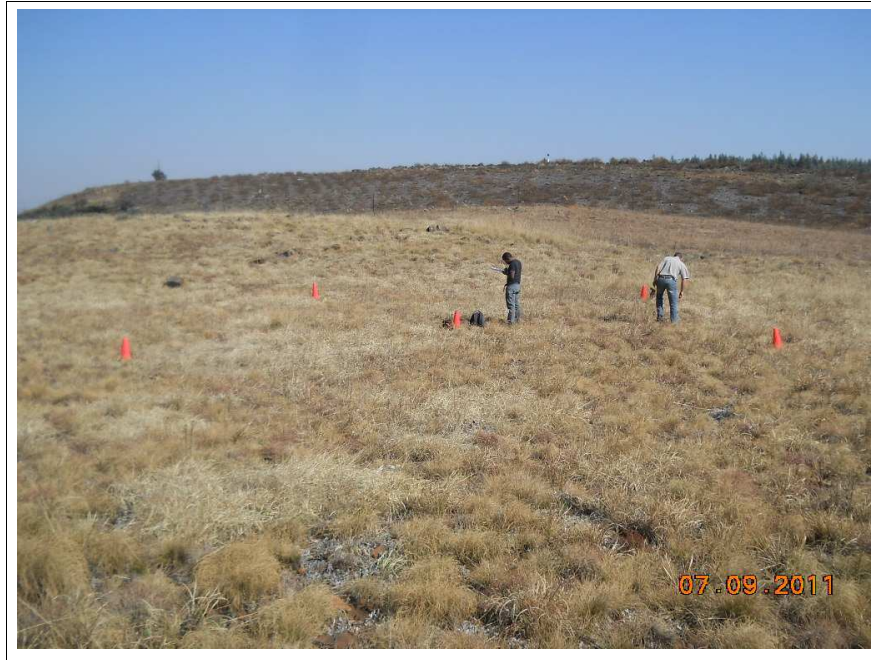


7. Panoramic view from the site direction West



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 North East

SITE PHOTOGRAPHS



11. View on base station position direction South East



12. View on base station position direction West

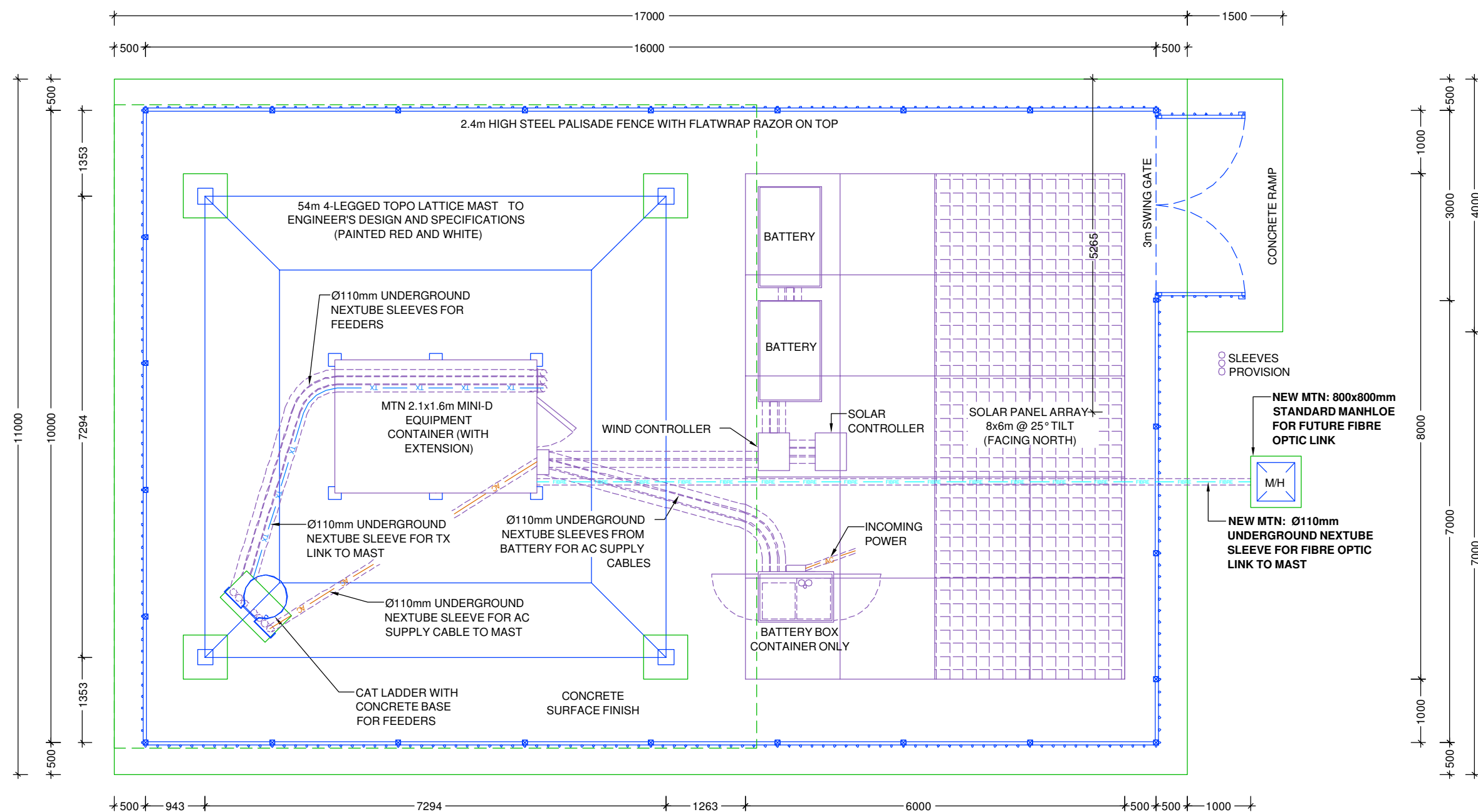
SITE PHOTOGRAPHS



13. General view on site establishment area

Appendix C: Facility Illustrations

REMAINING EXTENT OF THE FARM GRENSPAD 433 JT



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Hatfield, 0083

Tel. +27 (12) 342 2900
Fax: +27 (12) 342 9208

Postnet Suite 146
Private Bag X15
Menlo Park

SITE NAME:

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BASE STATION NUMBER:

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NOTES:

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| PROPERTY DESCRIPTION: |
|-----------------------|

REMAINING EXTENT OF THE FARM
GRENSPAD 433 JT

COORDINATES:

LAT: 25° 56' 30.90" S
LONG: 30° 25' 30.10" E

PROJECT:

NEW 16x10 TELECOMMUNICATION BASESTATION
WITH A 54m TOPO LATTICE MAST FOR MTN (PTY) LTD

ADDRESS:

SAPPI FORESTS,
KALKLOOF ROAD,
BADPLAAS,
MPUMALANGA

**INFRASTRUCTURE
PLANNING SERVICES**



414 Rustic Road
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P.O. Box 32017
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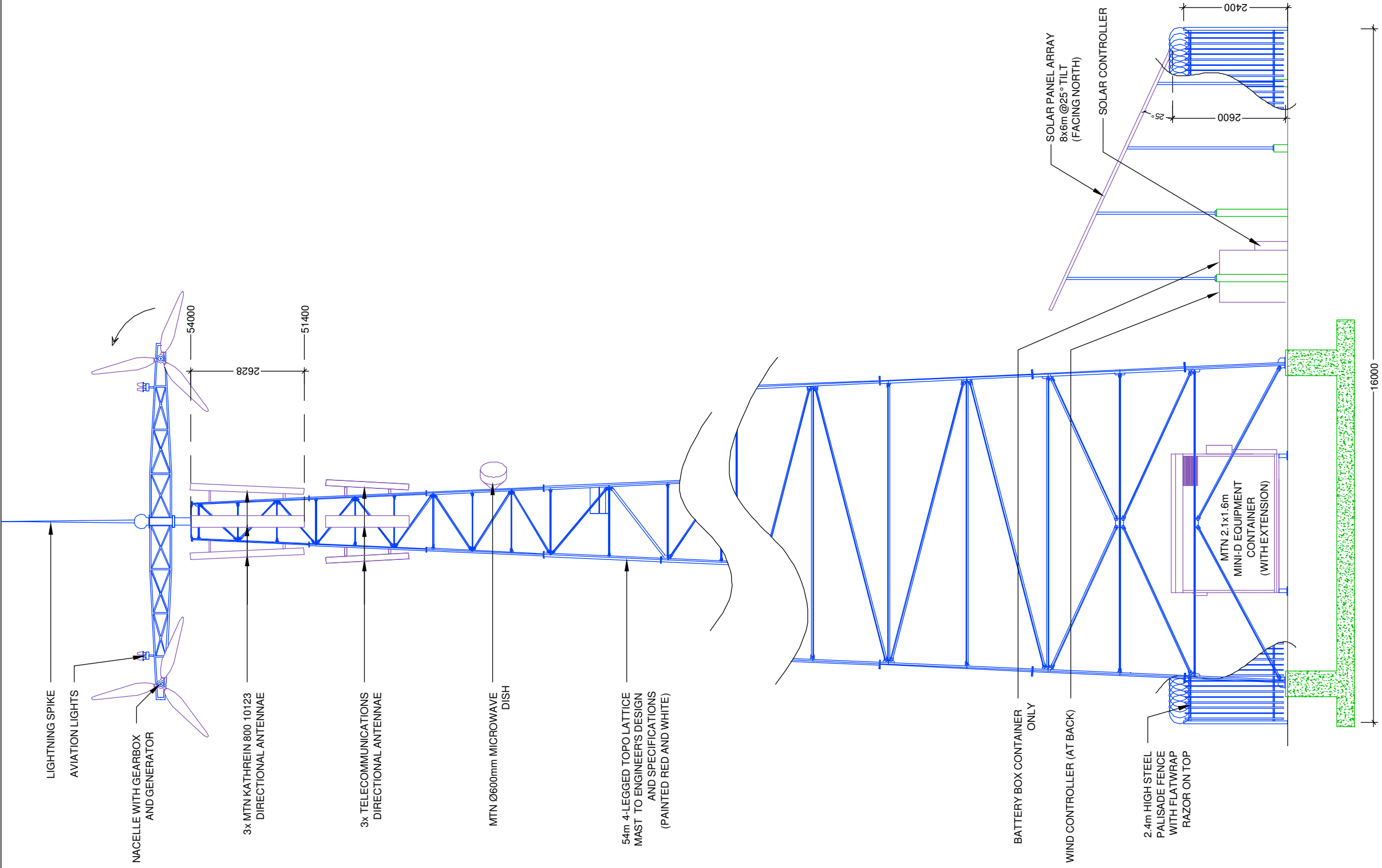
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SITE DETAIL
SHEET 7 OF 9

MTN ANTENNAE KEY

| SECTOR | AZIMUTH | ANTENNA | HEIGHT - BOTTOM (m) | MECH. TILT | ELEC. TILT | FEEDER SIZE | FEEDER LENGTH (m) |
|--------|---------|-----------|------------------------|---------------|---------------|----------------|----------------------|
| 1 | 30° | K80010123 | 51.4 | | | 7/8" | ± 56 |
| 2 | 150° | K80010123 | 51.4 | | | 7/8" | ± 56 |
| 3 | 270° | K80010123 | 51.4 | | | 7/8" | ± 56 |



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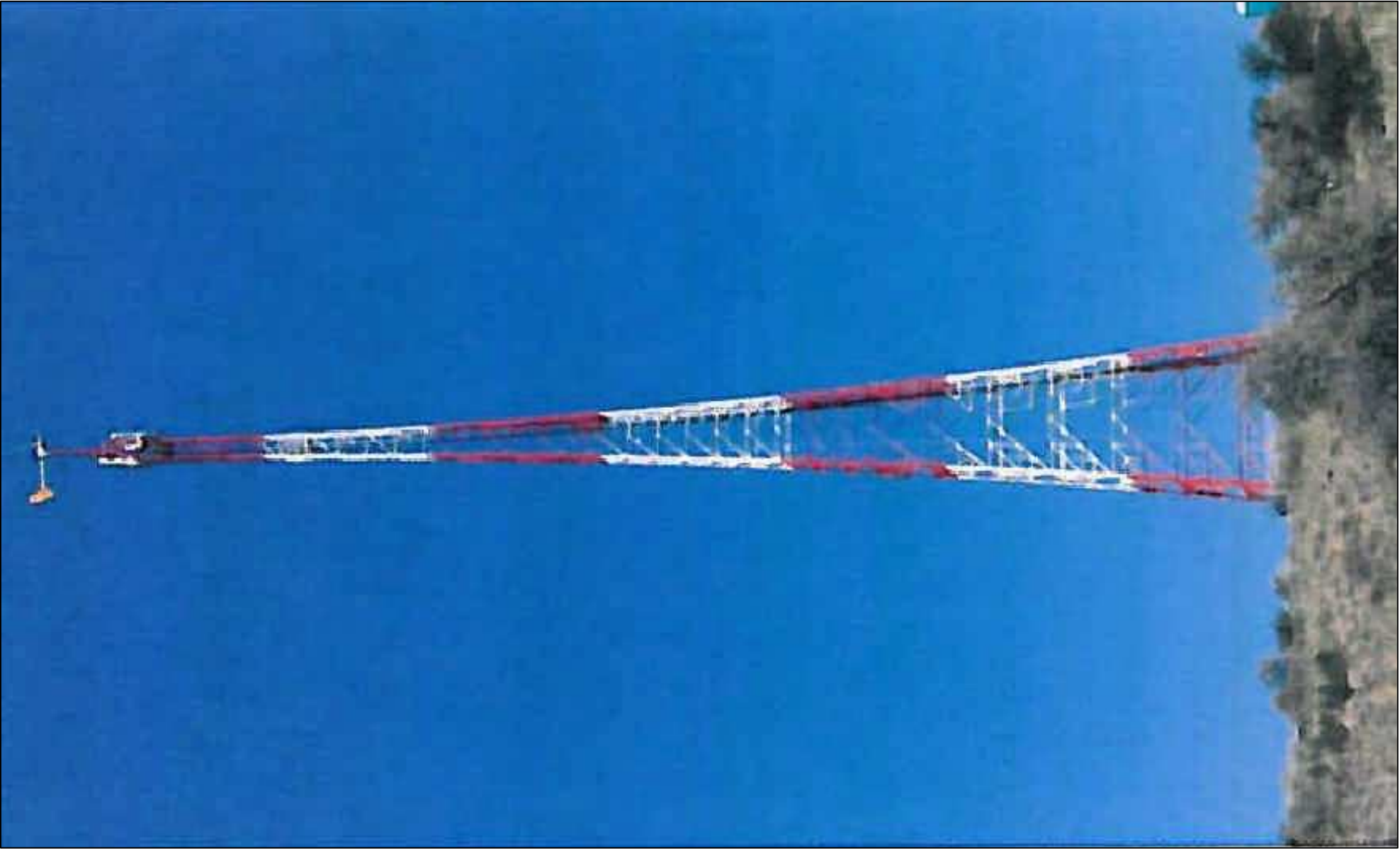
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ISSUE 1 REVISION 0 NOVEMBER 2007

DRAWN: MELISSA YOUNG
SCALE: 1:100

DATE: 22/11/2011
REF. NO: 812/T9244



TYPICAL 4-LEGGED TOPO LATTICE MAST
(PAINTED RED & WHITE)



1267 Pretorius Street
Block B, Hadevelds Complex
Hatfield, 0083

Tel. +27 (12) 342 2900
Fax: +27 (12) 342 9208

Postnet Suite 146
Private Bag X15
Menlo Park

SITE NAME:
DIEPGESIT SAPPI

BASE STATION NUMBER:
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| DRAWN: MELISSA YOUNG | DATE: 22/11/2011 |
| SCALE: NTS | REF. NO: 812/T9244 |

Appendix D: Specialist Reports – Not Applicable

Appendix E: Comments and responses report

Interested & Affected Parties Register / Comments and Responses Report

Site number:
Site Name:
EIA reference no.:

T9244
Diepgesit Sappi
17/2/3/GS-69

| Interested and Affected Parties Register | | | | | | | Comments and Responses Report | |
|--|------------|---------------------------|--|--|--------------------|-------------------------------------|---|---|
| No. | Date | Name | Address | Contact detail | Reacted to: | Record of initial I&AP registration | Issues raised / Comments received | EAP Response |
| 1 | 02/02/2012 | The Municipal Manager | Albert Luthuli Local Municipality, PO Box 24, Carolina, 1185 | Mr V N Mpila (Acting), Environmental Management Section, Fax: 0178434001 | NA | Auto I&AP | No comments received yet | Sent Draft BAR Sent Final BAR |
| 2 | 02/02/2012 | The Ward Councillor | Albert Luthuli Local Municipality, PO Box 24, Carolina, 1185 | Clr EJ Joubert, Ward 23, Fax: 0866082948 | NA | Auto I&AP | No comments received yet | Sent Draft BAR Sent Final BAR |
| 3 | 02/02/2012 | The District Municipality | Gert Sibande DM, PO Box 550, Secunda, 2302 | Mr M Ngcobo, Environmental Management Section, Fax: 0176311607, Email: marinda.booth@gsibande.gov.za | NA | Auto I&AP | No comments received yet | Sent Draft BAR Sent Final BAR |
| 4 | 02/02/2012 | SAHRA | South African Heritage Resources Agency, 111 Harrington str, Cape Town, 8000; PO Box 4637, Cape Town, 8000 | Mr P Hine/Mrs. Colette Scheermeyer, Tel: 0214624502, Fax: 0214624509, Email: phine@sahra.org.za | Public Notice | Auto I&AP | Archeological Impact Assessment will not be necessary unless fossiliferous rock or bedrock are impacted on. If any evidence of archeological sites or artefacts, or other heritage resources are found during construction activities, SAHRA must be alerted immediately. | Sent Draft BAR Sent Final BAR |
| 5 | 02/02/2012 | SACAA | Private Bag x73, Halfway House 1685 | Tel: (011) 545 1000 Fax: (011) 545 1451 | NA | Auto I&AP | Day & Night Markings Required | Proposed mast to be painted red & white with red light on top |
| 6 | 28/10/2011 | Hendrik Jacobus Rust | 11 Breede str, Rock Ridge Estate, Boshdal, Rustenburg; Posbus 20707, Protea Park, Rustenburg, 0305 | 072 538 7467 | Lease Negotiations | Land Owner | Signed Lease | Sent Draft BAR Sent Final BAR |
| 7 | 22/03/2012 | Hannes Vosloo | Sappi Forests, Ndubazi Office, Private Bag X1080, Badplaas, 1190 | Hannes Vosloo, Forestry Manager, Mobile: 0836617308, Email: Hannes.Vosloo@sappi.com | Public Notice | Adjacent Landowner | Request to be registered as I&AP. | Acknowledged via email. Sent Draft BAR Sent Final BAR |



**SOUTH AFRICAN HERITAGE
RESOURCES AGENCY**

111 HARRINGTON STREET, CAPE TOWN, 8000
PO BOX 4637, CAPE TOWN, 8000
TEL: (021) 462 4502 FAX: (021) 462 4509

DATE: 13 March 2012
ENQUIRIES: Mr. Phillip Hine
Archaeology, Palaeontology and Meteorite Unit
E-mail: phine@sahra.org.za
Web site: www.sahra.org.za

YOUR REF: T9244/17/2/3/GS-69
OUR REF: 9/2/280/0002

Mr. WA Van't Foort
Torbious Solutions CC
P.O. Box 32017
Totiusdal
0134

Dear Madam,

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY OR LISTED ACTIVITY 3 (A) & (B): (AA), (BB), (CC) & (EE) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON THE REMAINDER OF THE FARM GRENSPAD 433 JT.

Thank you for your indication that development is to take place in this area.

In terms of the National Heritage Resources Act, no 25 of 1999, heritage resources, including archaeological or palaeontological sites over 100 years old, graves older than 60 years, structures older than 60 years are protected. They may not be disturbed without a permit from the relevant heritage resources authority. This means that before such sites are disturbed by development it is incumbent on the developer (or mine) to ensure that a **Heritage Impact Assessment** is done. This must include the archaeological component (Phase 1) and any other applicable heritage components. Appropriate (Phase 2) mitigation, which involves recording, sampling and dating sites that are to be destroyed, must be done as required.

It is noted in your application that the base station will have a footprint of 16m x 10m. Associated activities will include the development of a 156m access road. As such, an Archaeological Impact Assessment will not be necessary.

The developer must ensure that if the project impacts on fossiliferous rock or bedrock or coastal sediments, a professional Palaeontological Impact Assessment must be conducted and submitted to SAHRA APM Unit for comment.

If any evidence of archaeological sites or artefacts, or other heritage resources are found during construction activities, the SAHRA APM Unit (**Mrs. Colette Scheermeyer/Mr. Phillip Hine, tel: 021-462 4502**), must be alerted immediately, and a professional archaeologist/palaeontologist must be contacted as soon as possible to inspect the findings at the cost of the developer. If the newly discovered heritage resources prove to be of archaeological/palaeontological significance, then a Phase 2 rescue operation might be necessary at the cost of the developer.

Yours sincerely,



pp Mrs. Colette Scheermeyer
SAHRA: Archaeology, Palaeontology and Meteorite Unit
For: CHIEF EXECUTIVE OFFICER

Copies: PHRA Mpumalanga Office

Appendices: www.asapa.org.za for a list of CRM archaeologists
List of Palaeontologist



**SOUTH AFRICAN HERITAGE
RESOURCES AGENCY**

111 HARRINGTON STREET, CAPE TOWN, 8000
PO BOX 4637, CAPE TOWN, 8000
TEL: (021) 462 4502 FAX: (021) 462 4509

DATE: 4 May 2012
ENQUIRIES: Mr. Phillip Hine
Archaeology, Palaeontology and Meteorite Unit
E-mail: phine@sahra.org.za
Web site: www.sahra.org.za

YOUR REF: T9244/17/2/3/GS-69
OUR REF: 9/2/280/0002

Mr. WA Van't Foort
Torbious Solutions CC
P.O. Box 32017
Totiusdal
0134

Dear Madam,

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY OR LISTED ACTIVITY 3 (A) & (B): (AA), (BB), (CC) & (EE) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 8 OF THE FARM WITKRANZ 53 IT

Thank you for your indication that development is to take place in this area.

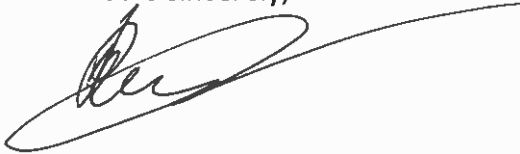
In terms of the National Heritage Resources Act, no 25 of 1999, heritage resources, including archaeological or palaeontological sites over 100 years old, graves older than 60 years, structures older than 60 years are protected. They may not be disturbed without a permit from the relevant heritage resources authority. This means that before such sites are disturbed by development it is incumbent on the developer (or mine) to ensure that a **Heritage Impact Assessment** is done. This must include the archaeological component (Phase 1) and any other applicable heritage components. Appropriate (Phase 2) mitigation, which involves recording, sampling and dating sites that are to be destroyed, must be done as required.

It is noted in your application that the base station will have a footprint of 9m x 9m. Associated activities will include the development of a 60m AC Power supply route. As such, an Archaeological Impact Assessment will not be necessary.

The developer must ensure that if the project impacts on fossiliferous rock or bedrock or coastal sediments, a professional Palaeontological Impact Assessment must be conducted and submitted to SAHRA APM Unit for comment.

If any evidence of archaeological sites or artefacts, or other heritage resources are found during construction activities, the SAHRA APM Unit (**Mrs. Colette Scheermeyer/Mr. Phillip Hine, tel: 021-462 4502**), must be alerted immediately, and a professional archaeologist/palaeontologist must be contacted as soon as possible to inspect the findings at the cost of the developer. If the newly discovered heritage resources prove to be of archaeological/palaeontological significance, then a Phase 2 rescue operation might be necessary at the cost of the developer.

Yours sincerely,



pp Mrs. Colette Scheermeyer
SAHRA: Archaeology, Palaeontology and Meteorite Unit
For: CHIEF EXECUTIVE OFFICER

Copies: PHRA Mpumalanga Office

Appendices: www.asapa.org.za for a list of CRM archaeologists
List of Palaeontologist

Appendix F: EMPR



Environmental Management Plan (EMPr)

(Compiled and Submitted in terms of the National Environmental Management Act (Act 107 of 1998))

Mobile Telephone Networks (Pty) Ltd

Project Reference Number:

17/2/3/GS-69

Remaining Extent of the farm Grenspad 433 JT

T9244

22 May 2012

DOCUMENT APPRAISAL

| Reference No. | | Responsible Person | Signature | Date |
|------------------------|-------|--------------------|-----------|------|
| Stage of Document | Final | | | |
| Document Compilation | | | | |
| Document Review | | | | |
| Document Authorisation | | | | |

Department Reference Number: 17/2/3/GS-69

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EXECUTIVE SUMMARY

The proponent, MTN (Pty) Ltd, intends **the establishment of a new 54m high MTN (Pty) Ltd telecommunication lattice mast painted red & white (T9244 Diepgesit Sappi) including a new 160m² telecommunication base station, equipment containers and associated equipment.**

The Department of Economic Development, Environment and Tourism, Mpumalanga, requested that an Environmental Management Program (EMPR) be prepared for the proposed project, which addresses all phases of the proposed project, for submission to them **[for approval]**. The scope of environmental management described in this EMPR pertains to the project as a whole and aims to integrate environmental planning, design, construction and operational activities on the site.

The EMPR has as its basis the recommendations listed in the Basic Assessment Report. It is important to note that the project and the implementation of environmental specifications is an ongoing process that is dynamic in nature. This EMPR forms part of the contractual obligation between the Contractor and the proponent, MTN (Pty) Ltd.

1 INTRODUCTION

1.1 Background and Brief Project Description

The proposed project involves **the establishment of a new 54m high MTN (Pty) Ltd telecommunication lattice mast painted red & white (T9244 Diepgesit Sappi) including a new 160m² telecommunication base station, equipment containers and associated equipment.**

Torbiose Solutions CC was appointed to compile the Environmental Management Program in respect of the proposed project.

1.1.1 Aims of the EMPR

The purpose of the EMPR is to set environmental targets for the Contractor and reasonable standards against which the Contractor's performance in this regard can be measured during construction. This document will form the basis for the environmental specifications that the Contractor is obliged to comply with during construction of the proposed project. This document will thus form a binding agreement between the Contractor and MTN (Pty) Ltd.

The EMPR addresses issues in order to ensure that all environmental aspects are carefully considered and monitored and adverse impacts managed. It is important to note that the development and implementation of environmental specifications is ongoing and the EMPR is typically dynamic in nature.

1.1.2 Contents of the EMPR

The EMPR consists of the following sections:

Chapter 1: Introduction: This section includes the project background, aims of this EMPR and describes the contents of this EMPR.

Chapter 2: Administration and regulation of environmental obligations: This section identifies the proposed mechanisms for monitoring compliance with the EMPR and reporting thereof.

Chapter 3: Environmental Specifications: Construction Phase: This section includes environmental specifications relating to the construction phase of the project.

Chapter 4: Environmental Specifications: Operational Phase: This section includes environmental specifications relating to the operational phase of the project.

Chapter 5: Environmental Specifications: Decommissioning Phase: This section includes environmental specifications relating to the decommissioning of the site.

Chapter 6: Emergency Response Plan: This section provides a summary of responses to emergency situations

2 ADMINISTRATION AND REGULATION OF ENVIRONMENTAL OBLIGATIONS

2.1 Environmental Site Agent

The Environmental Site Agent (ESA) is the person, appointed by the Contractor on behalf of the Applicant or the Environmental Consultant appointed on behalf of the Applicant, involved with the project and all projects within the operational region of the Contractor and who is responsible for the implementation of the environmental management plan. This person is therefore responsible for the environmental issues involved with the construction phase of the project. The ESA will be required to oversee a number of sites at any given time and is required to manage his/her time effectively to ensure that he/she fulfils his/her environmental obligations in respect of all sites.

The ESA must be a person with adequate environmental knowledge to understand and implement this management plan. It is required that the ESA reports to the Applicant (MTN (Pty) Ltd) irrespective of who appointed the ESA. The ESA has the authority to stop works if in his/her opinion there is a serious threat to or impact on the environment, caused directly from the construction operations. This authority is to be limited to emergency situations where consultation with the HOD Implementation and/or Property Supervisor and/or National Property Manager is not immediately available. In all such work stoppage situations, the ESA is to inform the HOD Implementation and/or Property Supervisor and/or National Property Manager of the reasons for the stoppage as soon as possible thereafter.

Upon failure by the Contractor and/or his employees to show adequate consideration to the environmental aspects of this EMPR, the ESA may recommend the suspension of works pending an investigation by the HOD Implementation and/or Property Supervisor and/or National Property Manager.

2.2 Environmental Awareness Training for Site Personnel

All Contractor teams involved in work on the project are to be briefed on their obligations towards environmental controls and methodologies in terms of this EMPR prior to the commencement of work. The briefing will take the form of an on site talk, when an RFQ (Request for Quotation) site survey is set up, and shall be demonstrated by the ESA. The education / awareness programme should be aimed at all levels of employees within the Contractor team. (See "Do's and Don'ts" summary sheet).

2.3 On Site Communication Procedure

2.3.1 Environmental Awareness Training for Site Personnel

The Site Instruction book entries will be used for the recording of general site instructions as they relate to the work taking place on site. It will also be used for the issuing of stop work orders for the purposes of immediately halting any particular activities of the Contractor in lieu of the environmental risk that they may pose.

2.3.2 Record Keeping

All records relating to the implementation of this EMPR must be kept on site; on the MTN Operating System and archived at an adequate archive facility where it is safe and can be retrieved easily. These records should be kept for two years and should at any time be available for scrutiny by any relevant authorities.

2.3.3 Photographs

It is recommended that photographs are taken on the site prior to, during and immediately after construction as a visual reference. These photographs should be stored with other records related to this EMPR and on the MTN Operating System. If captured in digital format, hard copies must be kept with all other records relevant to the implementation of this EMPR. In particular, the Contractor and ESA are responsible for taking photographs of the environmental aspects of environmentally sensitive areas for use in rehabilitation processes.

2.3.4 Environmental Audit Report

An Environmental Audit Report is a report completed by the ESA and signed off by the HOD Implementation and/or the Property Supervisor and/or National Property Manager, and then sent to the relevant authorities, by the ESA, stating the completion of the project and compliance with the EMPR and conditions.

2.4 Basic Rules of Conduct

The following list represents the basic “Do’s and Dont’s” towards environmental awareness, which all participants in this project must consider whilst carrying out their tasks and duties. These are not exhaustive and serve as a quick reference aid. NOTE: **All new site personnel must attend an**

environmental awareness presentation. Please inform your foreman or manager if you have not attended such a presentation alternatively contact the ESA.

DO:

- ✓ Use the toilet facilities provided – report dirty or full facilities;
- ✓ Clear your work areas of litter and building rubbish at the end of each day – use the waste bins provided and ensure that litter will not blow away;
- ✓ Report all fuel or oil spills immediately and stop the spill continuing;
- ✓ Dispose of cigarettes and matches carefully. (Littering is an offence);
- ✓ Confine work and storage of equipment to the immediate work area and within the site boundary;
- ✓ Where possible use a drip tray under vehicles and machinery and empty drip trays after rain and throw away where instructed;
- ✓ Use all safety equipment and comply with all safety procedures;
- ✓ Ensure a working fire extinguisher is immediately at hand if any “HOT WORK” is undertaken e.g. welding, grinding, gas cutting etc;
- ✓ Try to avoid producing dust – wet dry ground and soil;

DONT:

- ✗ Make any fires;
- ✗ Enter any fenced off or marked area;
- ✗ Allow cement or cement bags to blow around;
- ✗ Allow waste, litter, oils or foreign materials into the stormwater channels;
- ✗ Litter or leave food laying around;
- ✗ Make loud noises around the site. Report or repair noisy vehicles
- ✗ Damage or cut down any trees or plants without permission.

2.5 Internal Review and Auditing

The Contractor and ESA shall establish an internal review procedure to monitor the progress and implementation of the EMPR during the construction phase. All audits will be signed off by the HOD Implementation and/or Property Supervisor and/or National Property Manager.

Where necessary, and upon the recommendation of the ESA and/or the Contractor, procedures that require modification will be changed to improve the efficiency of the EMPR. All modifications to the EMPR shall be approved by the Department before; if possible, any changes or adjustments to the EMPR are implemented. Any material changes or adjustments to the EMPR shall be registered accordingly on MTN's operating system.. Adjustment and update of the original EMPR document is not required when these *ad hoc* changes are made.

At the conclusion of the project an environmental audit report shall be compiled by the ESA, and signed off by HOD Implementation and/or Property Supervisor and/or National Property Manager and submitted to the Department by the ESA. This report shall be compiled by the ESA, in collaboration with the Contractor and/or the Environmental Consultant and/or the Applicant.. It shall, as a minimum, outline the implementation of the EMPR during the construction phase, and highlight any problems and issues that arose during the construction period to report, on a formal basis, the lessons learnt from this project.

3 ENVIRONMENTAL SPECIFICATIONS: CONSTRUCTION PHASE

3.1 Site Demarcation

The “site” refers to the total area where the contract will take place and any other area reasonably required by the Contractor to undertake the construction activities in order to fulfil the contract. Areas where construction is prohibited are referred to as ‘no-go’ areas. ‘No-go’ areas identified on site include all areas outside of the footprint of the base station as well as environmentally sensitive sites. The environmental sensitivity of the area should be ascertained and then the position and orientation of the BTS site as per the approved drawings should be pegged out. ‘No-go’ areas should be demarcated to prevent environmental degradation thereto. This responsibility rests with the ESA and/or the Contractor.

The Contractor shall be responsible for any clean-up and/or rehabilitation of all areas impacted outside the site and within the ‘no-go’ areas.

3.2 Construction Facilities

3.2.1 Construction Camp

Construction crews may not stay on site overnight unless special permission has been obtained from the landowner. In the event that the landowner has given such permission, the position of the construction camp shall be agreed by the ESA and Contractor.

3.2.2 Toilet Facilities

The Contractor shall provide suitable sanitary arrangements (chemical toilets), which shall be located within the construction camp and/or in the construction footprint (where applicable) of the BTS. The siting of toilets shall be done in consultation with the ESA to ensure ease of access. Where required, toilet/s shall be secured to prevent them blowing over.

The Contractor shall be responsible for ensuring that all ablution facilities are maintained in a clean and sanitary condition to the satisfaction of the ESA. The Contractor shall provide toilet paper. The Contractor shall appoint a suitable sub-contractor to empty toilets on a regular basis. The sub-contractor and Contractor shall ensure that there is no spillage when the chemical toilets are cleaned and that the contents are properly removed from site.

The Contractor shall be responsible for enforcing the use of these facilities. Performing ablutions outside of established toilet facilities is strictly prohibited.

3.2.3 Water Provision

The Contractor shall be responsible for ensuring that there is access to clean drinking water for all employees on site. The use of water in rivers, dams, ponds etc. as drinking water is strictly forbidden.

3.2.4 General Aesthetics

All construction areas must be kept neat and tidy at all times. Different materials and equipment must be kept in designated areas and storing/stockpiling shall be kept orderly.

3.3 Site Clearing

3.3.1 Vegetation Clearing

Before clearing of vegetation, the Contractor shall ensure that all litter and non-organic material is removed from the area to be cleaned. All vegetation that may not be removed must be clearly identified and demarcated. Where the surrounding flora is required to be protected from traffic, the entire construction area should be fenced off with a temporary 1.8m fence. The fence should be removed upon completion of construction. This responsibility rests with the Contractor and the ESA. The use of herbicides is prohibited.

3.3.2 Site Access

All access to and from the BTS shall be on demarcated roads (where possible). The route for permanent access to the site shall be determined prior to construction, and shall be pegged out accordingly. Photographs shall be taken indicating the route detail. Rehabilitation of secondary roads must be conducted by the Contractor. No machinery may disturb any vegetation along side any road.

3.3.3 Trenching

All trenching must be completed in such a manner as to limit damage to the surrounding environment. If required in the authorisation, trenching is to be done by hand.

3.4 Materials Handling and Storage

3.4.1 Handling

The Contractor shall ensure that all suppliers and their delivery drivers are aware of procedures and restrictions in terms of this EMPR. The Contractor (and suppliers) shall ensure that all materials are appropriately secured to ensure safe passage between destinations. Loads shall have appropriate cover to prevent spillage from the vehicle during transit. The Contractor shall be responsible for any clean-up resulting from the failure by his employees or suppliers to properly secure transported materials. The Contractor shall ensure that delivery drivers are supervised during offloading.

3.4.2 Storage of Construction Materials

The Contractor shall ensure that areas for storage of construction materials are determined in consultation with the ESA and adequately demarcated. All construction materials including but not limited to building material shall be stored on such demarcated areas.

3.4.3 Storage of Equipment

Drip trays shall be provided for stationary plant (such as compressors, pumps, generators etc.) and for “parked” plant (e.g. mechanised equipment).

3.5 Refuelling and Maintenance

3.5.1 Refuelling

Where reasonably practicable, plant and vehicles shall be refuelled using suitable equipment (e.g. funnels) and the necessary drip trays.

3.5.2 Maintenance

All vehicles and equipment shall be kept in good working order and serviced regularly. Leaking equipment shall be removed from the site. All maintenance of equipment and vehicles shall be performed off site. No washing of plant and equipment shall be undertaken on site.

3.6 Accidental Leaks and Spills

The Contractor shall ensure that his employees are aware of the procedure to be followed for dealing with spills and leaks. Any accidental leak or spill of fuel, oil or any other hazardous substance must be reported immediately to the ESA to ensure that the best remediation method is quickly implemented.

In the event of a hydro-carbon spill, the source of the spillage shall be isolated and the spillage contained. The area shall be cordoned off and secured. The Contractor shall ensure that there is always a supply of absorbent material readily available to absorb / breakdown spills.

The Contractor shall be liable to arrange for professional service providers to clear the area affected by the spill, if required.

3.7 Waste Management

3.7.1 Solid Waste

Solid waste includes all construction waste (cement bags, tags, wrapping materials, cans, wire, nails, etc.) and surplus food, food packaging, organic waste etc. The Contractor shall be responsible for the establishment of a solid waste control and removal system that is acceptable to the ESA in order to prevent the spread of waste in, and beyond, the construction area. An integrated waste management approach shall be used, based on the principles of waste minimisation, reduction, reuse and recycling of materials. Containers for glass, paper, metals and plastics shall be provided, if sufficient solid waste is generated. The construction camp area (if applicable) is particularly suited for this purpose.

The Contractor shall provide vermin and weatherproof bins (with lids) of sufficient number and capacity to store solid waste produced on a daily basis. The lids shall be kept firmly on the bins at all times. Bins shall be located in areas where there is a concentration of labour and shall be easily

accessible. Bins shall be emptied regularly as required, preferably every second day. The general cleanliness of the site shall form part of the ESA inspections.

All solid waste may be temporarily stored on site in a demarcated area, which meets the satisfaction of the ESA. All solid waste shall be disposed of off site at a licensed landfill site. The stockpiling of construction rubble, cut vegetation or other material shall only be permitted in areas approved by the ESA. No waste material or litter shall be burnt or buried on site.

Erosion Control

The Contractor shall, as an ongoing exercise, provide erosion control to the satisfaction of the ESA. During construction, the Contractor shall protect areas susceptible to erosion by installing necessary temporary and permanent draining works as soon as possible.

Any runnels or erosion channels developed during the construction period shall be backfilled and compacted, and the areas restored to an acceptable condition (as determined by the ESA). Stabilisation of cleared areas to prevent and control erosion shall be actively managed.

During construction, the Contractor shall implement measures to prevent the migration of materials (fines) from the construction site into river courses, drainage lines, stormwater and sewerage systems.

3.8 Fire Control

No fires shall be allowed on site. At least one 12.5kg type ABC (all purpose) fire extinguisher shall be kept on the construction site.

3.9 Protection of Natural Features, Flora and Fauna

3.9.1 Protection of Natural Features

The Contractor shall not deface, paint, damage or mark any natural features outside the site for any purpose unless agree beforehand with the ESA. The Contractor shall not permit his employees to make use of any natural water sources situated on or near the site for purposes of swimming, personal washing and/or the washing of machinery or clothes.

3.9.2 Protection of Flora

The removal, damage or disturbance of flora, fauna or avifauna is forbidden. The clearing of vegetation within the construction area shall be undertaken in accordance with that specified in section 3.3.1.

The Contractor shall be familiar with any Ordinances, Acts, By-laws and/or regulations pertaining to the protection of natural features, flora and fauna on site. Where applicable, the Contractor shall apply for the necessary permits prior to removing any plants listed in the relevant schedules promulgated in terms of the legislation.

3.9.3 Protection of Fauna

The Contractor shall ensure that no hunting, trapping, shooting, poisoning or other disturbance of any fauna takes place. The feeding of wild animals is prohibited. No domestic pets or livestock are permitted on site.

3.10 Protection of Heritage and Cultural Features

The Contractor shall not, without a permit issued by the relevant heritage resources authority, destroy, damage, excavate, alter, deface or otherwise disturb archaeological finds. Archaeological finds can take the form of buried walls, old bottles, porcelain fragments, earthenware fragments, accumulations of bone and ash dumps.

If any archaeological or paleontological artefacts and/or human burials or remains are uncovered during construction, work in the vicinity of the find shall cease. The Contractor shall immediately notify the HOD Implementation and/or Property Supervisor and/or National Property Manager, who shall contact the South African Heritage Resources Agency (SAHRA). The Contractor will be required to abide by the specifications as set out by SAHRA or the heritage specialist appointed to investigate the find or burial.

3.11 Dust Control

The Contractor shall ensure that the generation of dust is minimised and shall implement a dust control programme to maintain a safe working environment, minimise nuisance and protect damage to natural vegetation.

The Contractor shall ensure that all exposed soil and material stockpiles are adequately protected against the wind. Where possible, dust suppression shall take place by way of spraying.

3.12 Noise Control

The Contractor shall be familiar with and adhere to, any local by-laws and regulations regarding the generation of noise and hours of operation. Working hours shall be confined to the hours between [insert time as per EA/ROD] and [insert time as per EA/ROD]. The Contractor shall be held responsible for any complaints received from the department and/or public with respect to any contravention of agreed noise conditions.

3.13 Cement

Cement and concrete mixing directly on the ground shall not be allowed. Where possible, ready mix concrete shall be utilised in all site construction. Mixing of cement, if applicable, shall take place on impermeable surfaces to the satisfaction of the ESA.

Unused cement bags shall be stored out of the rain where they will not be affected by run-off. Used (empty) cement bags shall be collected and stored in weatherproof containers to prevent wind blown cement dust and water contamination. Used cement bags shall not be used for any other purpose and shall be disposed of on a regular basis via the solid waste management system.

All excess concrete shall be removed from site on completion of concrete works and disposed of at a licensed landfill site. Washing of the excess concrete or washing of concrete pump trucks into the ground is prohibited.

3.14 Mast Colour

The mast shall be painted **red & white in accordance with that stated in ROD/EA and in accordance with Civil Aviation Authority requirements.**

3.15 Complaints Register

The ESA shall have accessible on the construction site a complaints register in terms of which all complaints received from interested and affected parties shall be recorded. The Complaints register shall be kept on site for the duration of construction activities and all complaints received shall be reported to the ESA.

3.16 Site Rehabilitation and Landscaping

On completion of the project, the Contractor shall ensure that all structures, equipment, materials, waste, rubble, notice boards and temporary fences used during the construction operation are removed with minimum damage to the surrounding area. The Contractor shall clean and clear the site to the satisfaction of the ESA.

In the case of accidental spills of oils, the affected soils shall be dug out and removed from the site for disposal at a licensed hazardous waste site and replaced with fresh topsoil.

Rehabilitation shall especially focus on all scarred and open areas, in order to reduce visual impacts as a result of the construction phase. Stored topsoil, if applicable, shall be used for rehabilitation purposes.

4 ENVIRONMENTAL SPECIFICATIONS: OPERATIONAL PHASE

The following responsibilities will be met to prevent negative environmental impacts:

- Providing a budget for maintenance;
- Maintaining all approved infrastructure in good working order to effectively fulfill its intended purpose and to prevent negative environmental impacts;
- Not construct any additional buildings, infrastructure etc. contrary to the approved Environmental Authorization, without performing an environmental impact assessment to evaluate alternatives and environmental impacts;
- To immediately remedy any factors that contribute to negative environmental impacts;
- [Where the ROD requires this – insert this clause] To do an annual environmental audit and to have the results in writing available at the administration offices of MTN.

4.1.1 Maintenance

Procedure to be followed to ensure the high standards of appearance and quality are maintained on the BTS sites to ensure that environmental issues are adequately addressed and that BTS sites are effectively maintained.

1. All BTS sites must be maintained and cleaned as per the schedule set by the Field Maintenance Supervisor responsible;
2. The items that must be checked will be as per the list below and as reflected in detail in the Site Maintenance Report and Statement of Work reference documentation;
 - a. Fence and Gate: Secure and rust treat as necessary;
 - b. Signage: Check all signs as per the BTS Site Infrastructure Specification;
 - c. Terrain:
 - i. Clean and de-weed inside and outside the BTS site and clean a 1m perimeter area around the fence. In areas susceptible to soil erosion, cut weed perimeter in such a way as to protect soil from erosion;
 - ii. De-weed invasive vegetation in the surrounding area of the BTS site;
 - iii. Check for any rubble that could have accumulated from previous maintenance work or during the BTS site build and remove and dump and a registered waste disposal site.
 - d. Equipment Room: De-rust, wash walls and floor and dust interior;

- e. BTS Cabinet: Replace filter
 - f. Container: Replace blown fluorescent lights (discard used lights in safe manner to ensure no mercury exposure), clean roof and cut away branches hanging over the site;
 - g. Air Conditioner: Wash, dry and seal;
 - h. Mast Navigation Lights: Replace blown globes
 - i. Mast: Check foundation, bolts, bolt torque, cable tray, cage and contact specialist to remove nests;
 - j. Road: Check condition i.e. check for signs of soil erosion, potholes and general sturdiness;
 - k. Power Source: Check condition i.e. still safe and insulated;
 - l. Maintenance Waste: All waste generated from the maintenance work must be removed from the area and disposed of at an approved landfill.
3. Invasive vegetation can easily be recognized as it is found in the immediate vicinity surrounding the site, but does not grow in the natural environment in the surrounding area. Normally the seeds of invasive vegetation are brought in an area with sand used during BTS site construction. Every effort must be made to remove invasive vegetation before it produces seeds.
4. In non environmentally sensitive areas, MTN approved weed killers may be used, under controlled conditions, to minimize weed growth. Soil erosion must be considered and prevented prior to using any weed killers.
5. Problems or non-compliance, such as poor road maintenance or erosion, mast paint peeling and poor mast condition, must be reported immediately. The necessary corrective action must be implemented to rectify the situation.

5 ENVIRONMENTAL SPECIFICATIONS: DECOMMISSIONING PHASE

The objective to provide guidelines is to prevent structures being left to deteriorate. Therefore it is imperative that non-functional structures are removed as soon as possible and the area is rehabilitated. If non-functional structures are no longer required, it must be maintained as if it is in use to prevent the environmental degradation of the area.

The Applicant will be responsible for the following:

- Removal of the construction building rubble to a suitable licensed disposal facility;
- Ensuring that suitable arrangements are made to protect the environment against long term negative impacts;
- Minimize negative visual impacts;
- Maintain the storm water channels in a working condition;
- Clean up contaminants of the environment;
- Prevent erosion through regular monitoring and rehabilitation of degraded areas.

5.1.1 Procedure

Procedure to be followed when decommissioning a BTS site.

1. A Work Authorisation must be issued by the Planning and Optimisation Division instructing the Implementation Division to decommission a particular site. In most cases, there will be a replacement BTS site issued at the same time. This may involve more than one BTS site to achieve the same coverage, largely depending on the site location and the Planning Engineer;
2. The BTS site will only be decommissioned once the replacement site has been activated (this is preferred, but not always possible), otherwise the replacement site must have at least been approved by the Property division and an instruction to proceed with the replacement BTS site build has been given to the Implementation Division;
3. When the site is decommissioned, the following areas should be considered as detailed further below:
 - a. Slab and concrete work;
 - b. Tower;
 - c. Antennas;
 - d. Feeder System;
 - e. Fencing and Guardrails;

- f. Container;
- g. Site Rehabilitation;
- h. Dumping
- i. Power connection to be disconnected

Slab and Concrete Work

- 4. All the concrete, cement and reinforcing on site must be removed and disposed of in a Registered dump by the Contractor. All land must be filled with landfill and compacted as necessary. (refer to owners requirements). If the landlord agrees, the concrete, cement and reinforcing can remain as is.
- 5. All stone or site fill must be removed and disposed of in an approved landfill by the Contractor.

Tower

- 6. The tower must be dismantled in a controlled manner and transported to the original tower manufacturer for inspection. The tower must be inspected for conformance to the current MTN specification. If the tower meets MTN's current tower specifications it must be packed for redistribution to another BTS site.
- 7. If the tower does not meet MTN's current tower specification it must be sent to the central warehouse or a location specified by the warehouse. The tower will then be retained until it can be removed (depreciated) from the asset register and sold as scrap metal.
- 8. All accessories associated with the tower such as booms, antenna poles, cat ladders, cables etc must be inspected and returned to the central warehouse for inspection, packaging and redistribution to another BTS site.
- 9. All antennas shall be returned to the warehouse for testing to ensure that they still meet the manufacturers specification. The central warehouse will identify whether they are on MTN's accepted antenna list. If so, they will be placed back in stock and redistributed to another BTS site.
- 10. If the antenna is not on MTN's current accepted antenna list, it will be sent to the central warehouse until it is removed from the asset register (depreciated) and scrapped.
- 11. Antenna brackets will be returned to the central warehouse for inspection and redistribution.

Feeder System

- 12. Connectors will be cut off the feeder cable, the open ends will be weather sealed, rolled and sent to the central warehouse for inspection, evaluation and redistribution.
- 13. The warehouse will dispose of unusable feeder cable according to the approved disposal procedure.

14. All feeder brackets and clamps must be packed and sent to the central warehouse for distribution.
15. Earthing materials must be returned to the central warehouse for redistribution or disposal. Waterproofing should be disposed of by the Contractor in an approved landfill.

Fencing and Guardrails

16. All fencing must be removed in a controlled manner for reuse. Concrete must be removed and dumped in an approved landfill by the Contractor.
17. Gates and access ways must be returned to the central warehouse for inspection and redistributed to another BTS site.
18. All electric fencing must be removed and returned to the central warehouse for inspection and redistribution.

Container

19. The container must be stripped of all equipment, returned to the manufacturer for inspection and refurbished if necessary. The container is then redistributed to another BTS site, preferably in the same region.
20. All other equipment must be sent to the Central Warehouse for evaluation and redistribution, if applicable.
21. All the equipment above must go through acceptance testing as per the acceptance procedure relating to that specific piece of equipment.

Site Rehabilitation

22. The BTS site, access roads and any trenches must be rehabilitated, conforming to ISO standards and to a level accepted by both the ESA and the landlord and must meet legal obligations that may be imposed or apply to that particular BTS site.

Dumping

23. No Contractor or Sub-contractor will dispose of any (dump) material or product without the approval from the responsible ESA.
24. All materials or products must be disposed of in the correct manner, in approved dumping site by the Contractor or Sub-Contractor. MTN must ensure that this procedure is followed for all sites decommissioned.

Records

Records of such decommissioning shall be kept electronically on the MTN Operating System.

6 EMERGENCY RESPONSE PLAN

The objective of this section is to provide a brief summary of options available to the ESA. The details of the design will reside with the designers, but cognizance should be taken of the design philosophy and key aspects given in the guidelines to problem solving given below.

6.1 Typical remedial work options

The following table is provided to assist the Contractor and ESA with problem solving:

| Observation or Event | Action by ESA | Action by Contractor |
|--|--|--|
| Spillage of diesel or hydrocarbons on soil | <p>Report to ESA and continue observations.</p> <p><u>Also check:</u></p> <ul style="list-style-type: none"> ➤ That the source causing the spillage is decommissioned, and that the affected area is isolated to prevent spreading of the hazardous substance | <p>Action will be required asap by following the next steps:</p> <ul style="list-style-type: none"> ➤ Dig down into the soil to see how far down the pollution has penetrated; ➤ If penetration is less than 300mm: <ol style="list-style-type: none"> Turn the soil over to expose it to the air; Apply Mono Ammonium Phosphate (MAP) at a rate of 58gr/m² to the dug up soil Water enough to keep the soil moist ➤ If penetration is greater than 300mm: <ol style="list-style-type: none"> Remove the affected soil and spread in a layer not more than 300mm thick; Apply MAP at a rate of 50gr/m² Water enough to keep the soil moist ➤ Repeat the above steps every 6 weeks or until the soil is clean |
| General Surface Erosion | <p>Report to ESA and continue observations.</p> <p><u>Also check:</u></p> <ul style="list-style-type: none"> ➤ In respect of erosion of roads that all vehicular movement is restricted to the existing access routes to prevent criss-crossing of tracks through undisturbed areas. | <p>Action will be required asap:</p> <ul style="list-style-type: none"> ➤ Implement erosion protection works at identified problem areas; ➤ Implement remedial works to be done at affected areas in order to restore the area to its previous or better status. |

This EMPR has been assessed/reviewed and agreed with:

HOD – Implementation

Name: _____

Region: _____

Date: _____

SUPERVISOR – Property

Name: _____

Region: _____

Date: _____

Environmental Consultant (ESA)

Name: _____

Company: _____

Date: _____

HOD - Maintenance

Name: _____

Region: _____

Date: _____

Appendix G1: Public Participation and Other Information

G1(a) – Public Participation - Proof of Site Notice

G1(b) – Public Participation – Proof of Written Notices to I&AP

G1(c) - South African Civil Aviation Authority Information

G1(d) – Public Participation – Proof of Newspaper Advertisement

G1(e) – Register of Interested and Affected Parties

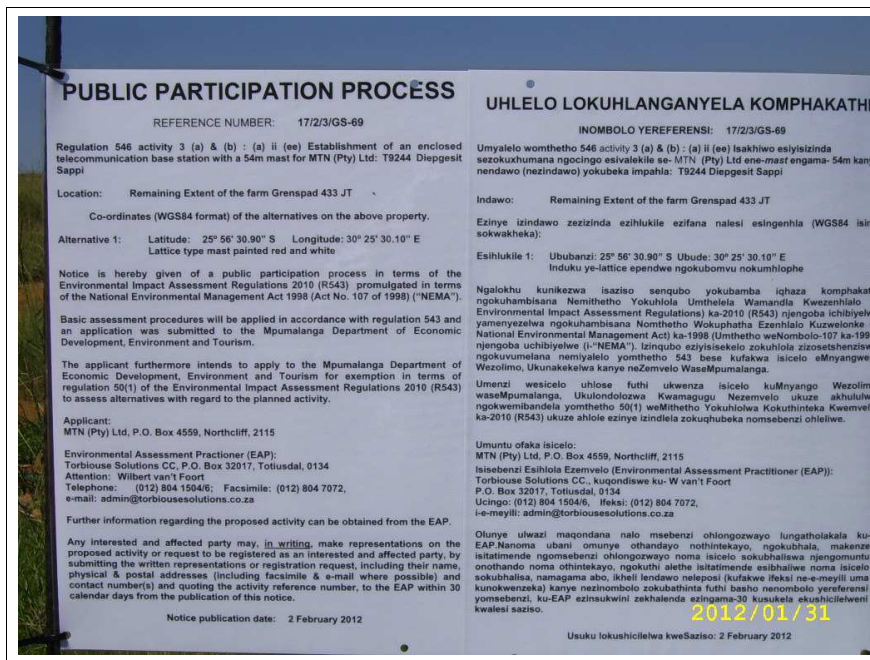
G1(a) – Proof of Site Notice



Proof of Site Notice



Site Notice 1 affixed to stand next to dirt road



Site Notice 2 affixed to stand next to dirt road

Proof of Site Notice

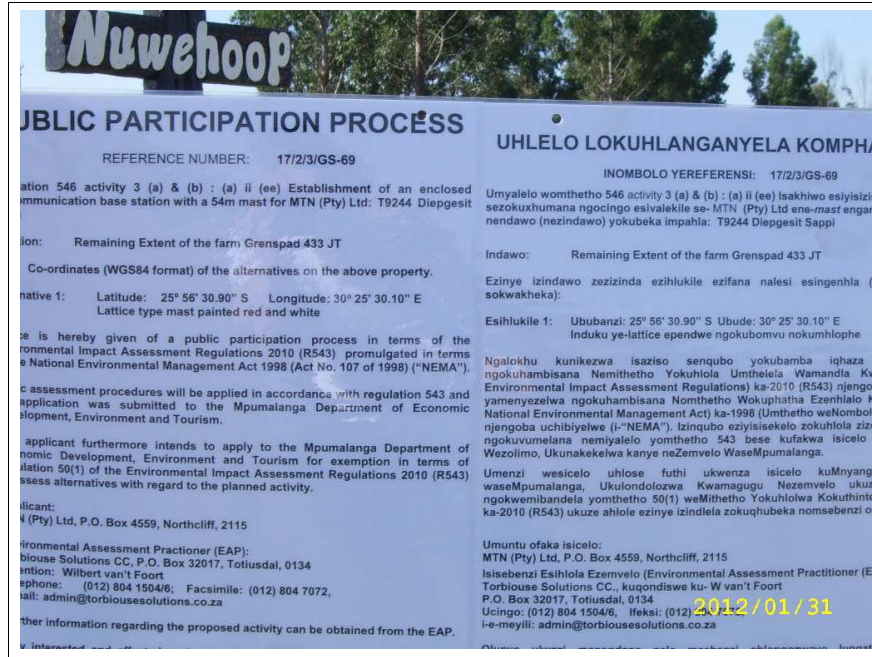


Site Notice 2 affixed to stand next to dirt road



Site Notice 2 affixed to stand next to dirt road

Proof of Site Notice



Site Notice 3 affixed to stand next to the Farm Nuwehoop's entrance



Site Notice 3 affixed to stand next to the Farm Nuwehoop's entrance

Proof of Site Notice



Site Notice 3 affixed to stand next to the Farm Nuwehoop's entrance

G1(b) – Proof of Written Notices

Our Reference:
T9244 / 17/2/3/GS-69

Your Reference:

2 February 2012

The Municipal Manager
Albert Luthuli Local Municipality
P.O.Box 24
Carolina
1185

Attention: Mr V.N.Mpila (Acting)
Environmental Management Section

Facsimile: (017) 843 4001
E-mail:



Reg. No. 2001/080535/23

PO Box 32017, Totiusdal, 0134

414 Rustic Road
Silvertondale, 0184
Pretoria

Tel: (012) 804 1504/ 6

Fax: (012) 804 7072

e-mail: admin@torbiousesolutions.co.za

Dear Sir / Madam,

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 ("NEMA") AS AMENDED TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON REMAINING EXTENT OF THE FARM GRENSPAD 433 JT.

In terms of the Act and related regulations and guidelines Local Authorities are identified as key interested and affected parties (I&AP).

We request you to evaluate the attached information on the proposed project and provide us with your written comments and/or inputs, if any, by faxing or e-mailing such within 30 days from the date of this notification. It will be assumed that you do not have any comments on the Environmental Application of the proposed project on the expiry of the 30 day response period.

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

Kind Regards,

WA VAN'T FOORT
For: Torbiouse Solutions cc

Comments:

TX Result Report

P 1
15/02/2012 17:14
Serial No. A02E041005510
TC: 802645

| Destination | Start Time | Time | Prints | Result | Note |
|-------------|-------------|----------|---------|--------|------|
| 0178434001 | 02-15 17:00 | 00:13:52 | 010/010 | OK | |

Note TMR: Timer TX, POL: Polling, ORG: Original Size Setting, FME: Frame Erase TX,
MIX: Mixed Original TX, CALL: Manual TX, CSRC: CSRC, FWD: Forward, PC: PC-Fax,
BND: Double-Sided Binding Direction, SP: Special Original, FCODE: F-code, RTX: Re-TX,
RLV: Relay, MBX: Confidential, BUL: Bulletin, SIP: SIP Fax, IPADR: IP Address Fax,
I-FAX: Internet Fax

Result OK: Communication OK, S-OK: Stop Communication, PW-OFF: Power Switch OFF,
TEL: RX from TEL, NG: Other Error, Cont: Continue, No Ans: No Answer,
Refuse: Receipt Refused, Busy: Busy, M-Full: Memory Full,
LOVR: Receiving length Over, POVER: Receiving page Over, FIL: File Error,
DC: Decode Error, MDN: MDN Response Error, DSN: DSN Response Error.

Our Reference:
T9244 / 17/2/3/GS-69

Your Reference:

2 February 2012

The Municipal Manager
Albert Luthuli Local Municipality
P.O.Box 24
Carolins
1185

Attention: Mr V.N.Mpila (Acting)
Environmental Management Section

Facsimile: (017) 843 4001
E-mail:



Reg. No. 2001/060535/23
PO Box 32017, Totterdell, 0134

414 Rustic Road
Silvertondale, 0184
Pretoria

Tel: (012) 804 1504/ 6
Fax: (012) 804 7072
e-mail: admin@torbiousolutions.co.za

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

Kind Regards,

WA Van't Foort
WA VAN'T FOORT
For: Torbiousolutions cc

Comments:

TX Result Report

P 1

01/02/2012 14:39

Serial No. A02E041005518

TC: 788440

| Destination | Start Time | Time | Prints | Result | Note |
|-------------|-------------|----------|---------|--------|------|
| 0178434001 | 02-01 14:38 | 00:00:56 | 000/010 | No Ans | |

Note

TMR: Timer TX, POL: Polling, ORG: Original Size Setting, FME: Frame Erase TX,
 MX: Mixed Original TX, CAL: Manual TX, CSRC: CSRC, FWD: Forward, PC: PC-Fax,
 BDC: Double-Sided Binding Direction, SP: Special original, FCODE: F-code, RTX: Re-TX,
 RL: Relay, MB: Confidential, BUL: Bulletin, SIP: SIP Fax, IPADR: IP Address Fax,
 I-FAX: Internet Fax

Result OK: Communication OK, S-OK: Stop Communication, PW-OFF: Power Switch OFF,
 TEL: RX from TEL, NG: Other Error, Cont: Continue, No Ans: No Answer,
 Refuse: Receipt Refused, Busy: Busy, M-Full: Memory Full,
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Our Reference:
 T9244 / 17/2/3/GS-69

Your Reference:

2 February 2012

The Municipal Manager
 Albert Luthuli Local Municipality
 P.O.Box 24
 Carolina
 1185

Attention: Mr V.N.Mpila (Acting)
 Environmental Management Section

Facsimile: (017) 843 4001
 E-mail:

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

Kind Regards,

WA VAN'T FOORT
WA VAN'T FOORT
 For: Torbious Solutions cc

Comments:



Reg. No. 2001/080536/23

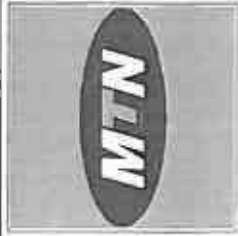
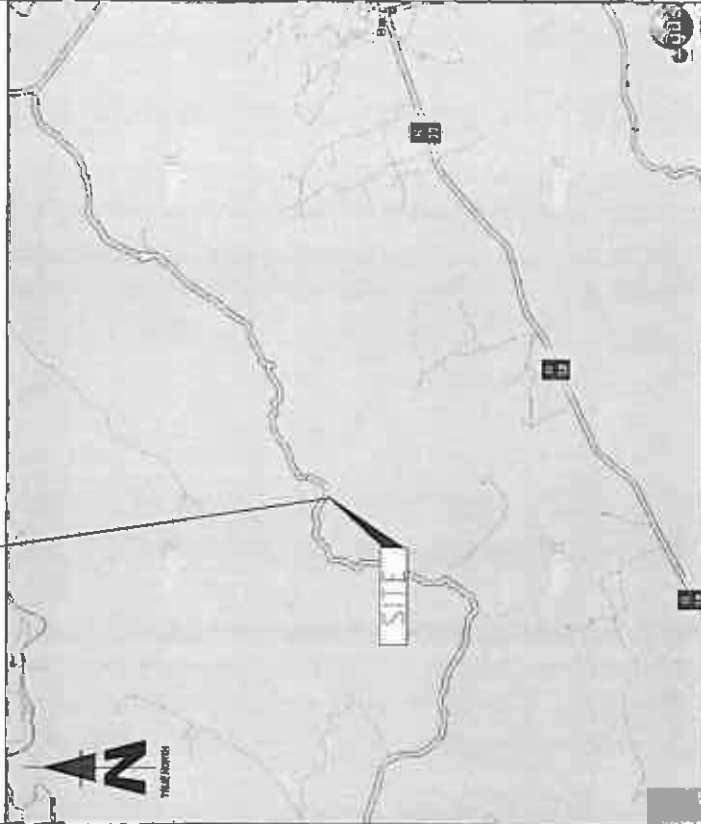
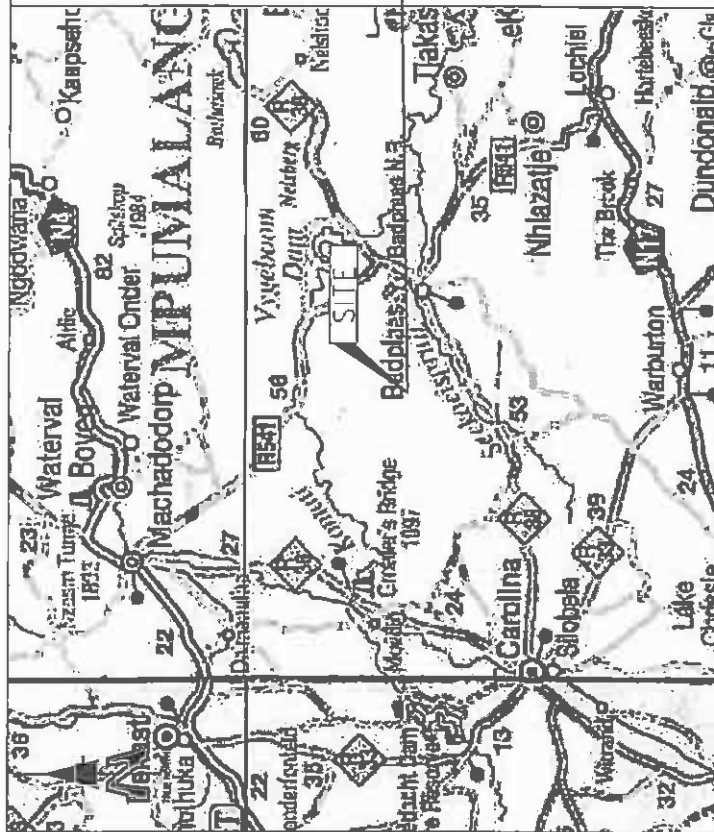
PO Box 32017, Totiusdal, 0134

414 Rustia Road
 Silvertondale, 0154
 Pretoria

Tel: (012) 804 1604/8

Fax: (012) 804 7072

e-mail: admin@torbiousolutions.co.za



1287 Pindwin Street
 Block B, Hurlingham Gardens
 Pretoria 0083
 Tel: +27 (0) 12 343 3000
 Fax: +27 (0) 12 343 3008
 Project Ref: 149
 Project Site: 113
 Project Name: Mphahla's Pan

SITE NAME

DIEPGESIT SAPPI

BASE STATION NUMBER
 T9244

| REV | DATE | BY | DESCRIPTION |
|-----|------------|----|-------------|
| A | 22/12/2011 | MY | FIRST ISSUE |

NOTES

OWNER: RUST HENDRIK JACOBUS

STRICTLY COMPANY CONFIDENTIAL

PROPERTY DESCRIPTION

REMAINING EXTENT OF THE FARM

GRENSPAD 433 JT

COORDINATES

LAT: 25° 56' 30.90" S

LONG: 30° 25' 30.10" E

PROJECT

NEW 10W10 TELECOMMUNICATION BASESTATION
 WITH A 54m TOPO LATTICE MAST FOR MTN (PTY) LTD

ADDRESS

SAPPI FORESTS,
 1000 OF ROAD
 BOPHILAS
 MPUMALANGA

INFRASTRUCTURE
 PLANNING SERVICES



414 Roodie Road
 Gaborone
 Botswana
 Tel: +27 (0) 12 343 3000
 Fax: +27 (0) 12 343 3008
 Email: info@ips.co.za
 P.O. Box 32017
 Tlokweng
 0154

RFQ NO

148732

PROJECT NUMBER

118858

DRAWINGS MUST NOT BE SCALED. ONLY DIMENSIONS TO BE
 USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT
 OF WORK.

ALL WORK TO BE PERFORMED ACCORDING TO MTN SITE
 INFRASTRUCTURE SPECIFICATION (M01101)

ISSUE 1 (PREPARED NOVEMBER 2007)

DRAWN: MELISSA YOUNG

DATE: 22/12/2011

SCALE: NTS

REF. NO: 812T9244

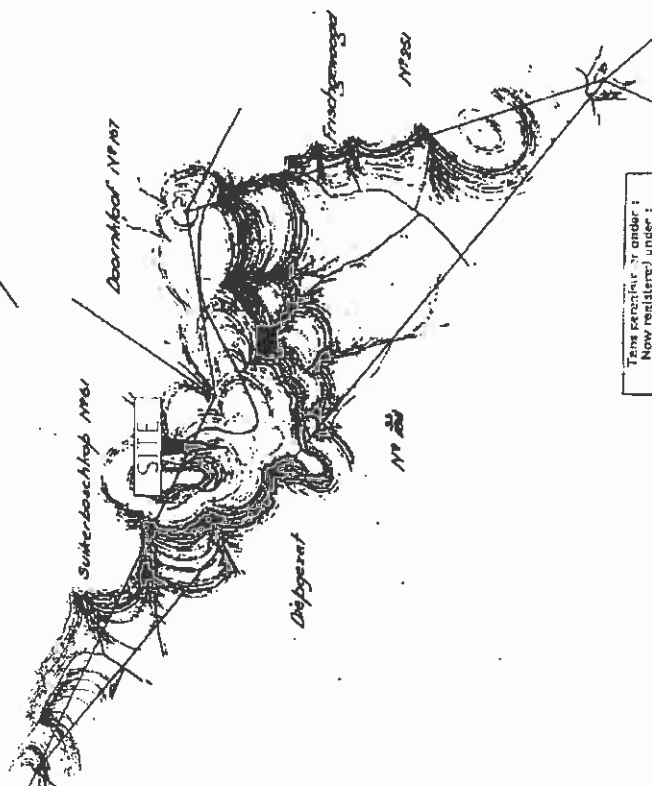
LOCALITY MAP

SHEET 1 OF 9

S.G. No. A. 2508

Diagram drawn for an Original Plan Survey or Original Survey of Portion of a Farm.

| LINE | ANGLES | (1) DIMENSIONS (M) |
|--------|----------|--------------------|
| 1-2 | 121° 30' | 121.30 |
| 2-3 | 121° 30' | 121.30 |
| 3-4 | 121° 30' | 121.30 |
| 4-5 | 121° 30' | 121.30 |
| 5-6 | 121° 30' | 121.30 |
| 6-7 | 121° 30' | 121.30 |
| 7-8 | 121° 30' | 121.30 |
| 8-9 | 121° 30' | 121.30 |
| 9-10 | 121° 30' | 121.30 |
| 10-11 | 121° 30' | 121.30 |
| 11-12 | 121° 30' | 121.30 |
| 12-13 | 121° 30' | 121.30 |
| 13-14 | 121° 30' | 121.30 |
| 14-15 | 121° 30' | 121.30 |
| 15-16 | 121° 30' | 121.30 |
| 16-17 | 121° 30' | 121.30 |
| 17-18 | 121° 30' | 121.30 |
| 18-19 | 121° 30' | 121.30 |
| 19-20 | 121° 30' | 121.30 |
| 20-21 | 121° 30' | 121.30 |
| 21-22 | 121° 30' | 121.30 |
| 22-23 | 121° 30' | 121.30 |
| 23-24 | 121° 30' | 121.30 |
| 24-25 | 121° 30' | 121.30 |
| 25-26 | 121° 30' | 121.30 |
| 26-27 | 121° 30' | 121.30 |
| 27-28 | 121° 30' | 121.30 |
| 28-29 | 121° 30' | 121.30 |
| 29-30 | 121° 30' | 121.30 |
| 30-31 | 121° 30' | 121.30 |
| 31-32 | 121° 30' | 121.30 |
| 32-33 | 121° 30' | 121.30 |
| 33-34 | 121° 30' | 121.30 |
| 34-35 | 121° 30' | 121.30 |
| 35-36 | 121° 30' | 121.30 |
| 36-37 | 121° 30' | 121.30 |
| 37-38 | 121° 30' | 121.30 |
| 38-39 | 121° 30' | 121.30 |
| 39-40 | 121° 30' | 121.30 |
| 40-41 | 121° 30' | 121.30 |
| 41-42 | 121° 30' | 121.30 |
| 42-43 | 121° 30' | 121.30 |
| 43-44 | 121° 30' | 121.30 |
| 44-45 | 121° 30' | 121.30 |
| 45-46 | 121° 30' | 121.30 |
| 46-47 | 121° 30' | 121.30 |
| 47-48 | 121° 30' | 121.30 |
| 48-49 | 121° 30' | 121.30 |
| 49-50 | 121° 30' | 121.30 |
| 50-51 | 121° 30' | 121.30 |
| 51-52 | 121° 30' | 121.30 |
| 52-53 | 121° 30' | 121.30 |
| 53-54 | 121° 30' | 121.30 |
| 54-55 | 121° 30' | 121.30 |
| 55-56 | 121° 30' | 121.30 |
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| 58-59 | 121° 30' | 121.30 |
| 59-60 | 121° 30' | 121.30 |
| 60-61 | 121° 30' | 121.30 |
| 61-62 | 121° 30' | 121.30 |
| 62-63 | 121° 30' | 121.30 |
| 63-64 | 121° 30' | 121.30 |
| 64-65 | 121° 30' | 121.30 |
| 65-66 | 121° 30' | 121.30 |
| 66-67 | 121° 30' | 121.30 |
| 67-68 | 121° 30' | 121.30 |
| 68-69 | 121° 30' | 121.30 |
| 69-70 | 121° 30' | 121.30 |
| 70-71 | 121° 30' | 121.30 |
| 71-72 | 121° 30' | 121.30 |
| 72-73 | 121° 30' | 121.30 |
| 73-74 | 121° 30' | 121.30 |
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| 75-76 | 121° 30' | 121.30 |
| 76-77 | 121° 30' | 121.30 |
| 77-78 | 121° 30' | 121.30 |
| 78-79 | 121° 30' | 121.30 |
| 79-80 | 121° 30' | 121.30 |
| 80-81 | 121° 30' | 121.30 |
| 81-82 | 121° 30' | 121.30 |
| 82-83 | 121° 30' | 121.30 |
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| 84-85 | 121° 30' | 121.30 |
| 85-86 | 121° 30' | 121.30 |
| 86-87 | 121° 30' | 121.30 |
| 87-88 | 121° 30' | 121.30 |
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| 89-90 | 121° 30' | 121.30 |
| 90-91 | 121° 30' | 121.30 |
| 91-92 | 121° 30' | 121.30 |
| 92-93 | 121° 30' | 121.30 |
| 93-94 | 121° 30' | 121.30 |
| 94-95 | 121° 30' | 121.30 |
| 95-96 | 121° 30' | 121.30 |
| 96-97 | 121° 30' | 121.30 |
| 97-98 | 121° 30' | 121.30 |
| 98-99 | 121° 30' | 121.30 |
| 99-100 | 121° 30' | 121.30 |



Now registered under:
No. 433
REGISTRAR GENERAL
REGISTRATION DIVISION

1:10000
1:20000
1:40000
1:80000
1:160000
1:320000
1:640000
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SITE NAME

DIERCEIT SADDI

DIEPGESIT SAPPI

BASE STATION NUMBER

| REV | DATE | BY | DESCRIPTION |
|-----|------------|----|-------------|
| A | 22/11/2011 | MY | FIRST ISSUE |

NOTES
OWNER RUSY HENDRIK JACOBUS

STRICTLY COMPANY CONFIDENTIAL

PROPERTY DESCRIPTION

REMAINING EXTENT OF THE FARM
GREENSPAD 433 JT

COORDINATES
LAT 25° 50' 30.90" S
LONG 30° 25' 30.10" E

PROJECT
NEW 18x10 TELECOMMUNICATION BASESTATION
WITH A 54m TOPO LATTICE MAST FOR MTN (PTY) LTD

ADDRESS
SAPPI FORESTS
KALKLOOF ROAD
BADPLAAS.
MPU/MALANGA



414 Pacific Road
Silverdale
0114
Tel +27 (12) 804 15048
Fax +27 (12) 804 7072
admin@strider.co.za
P.O. Box 32617
Tollfree
0124

| | |
|----------------|--------|
| RFQ NO | 148732 |
| PROJECT NUMBER | 116858 |

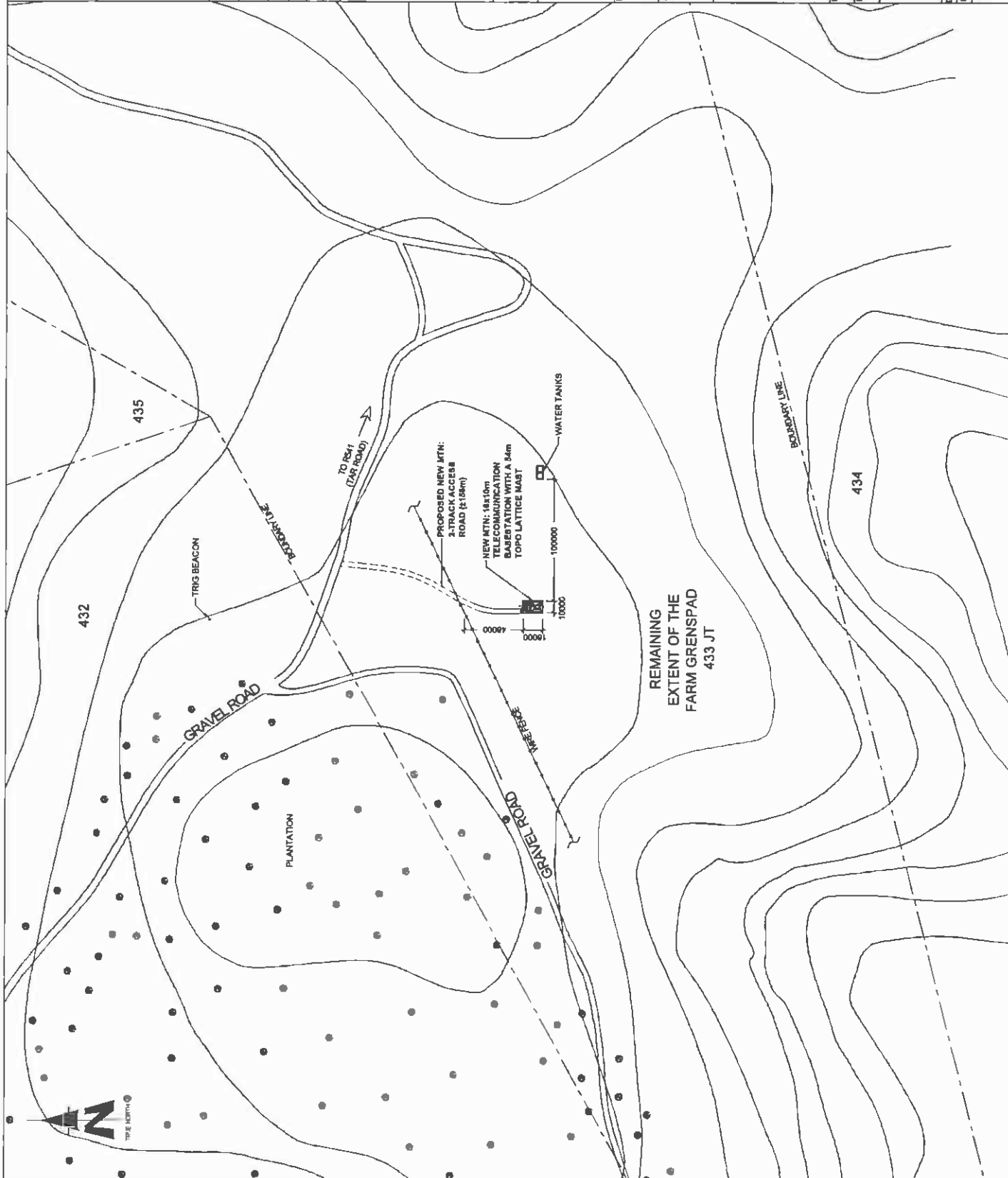
DRAWINGS MUST NOT BE SCALED. ONLY 7'x10' DRAWING DIMENSIONS TO BE USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT OF WORK.

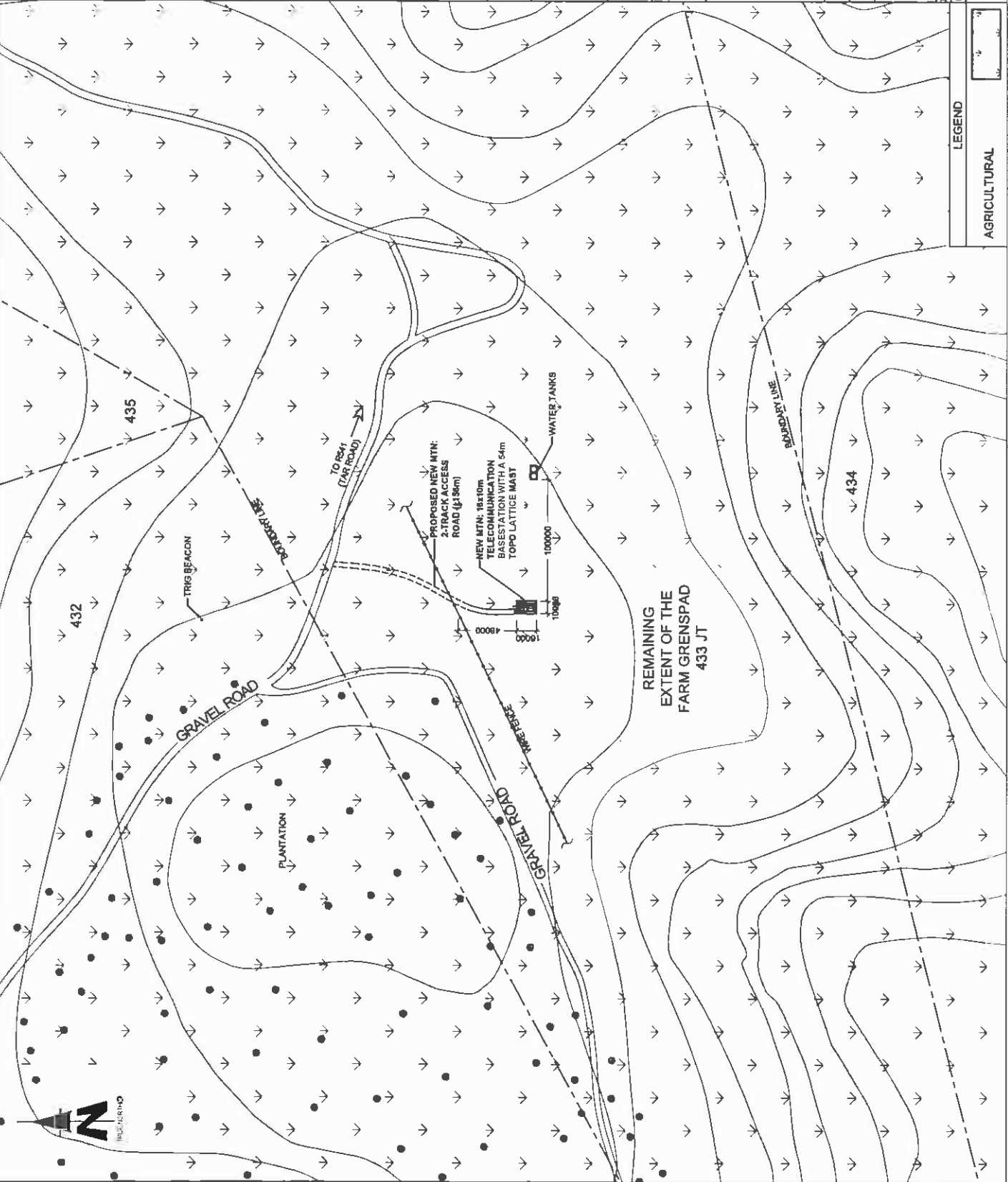
ALL WORK TO BE PERFORMED ACCORDING TO AEM ITS SITE INFRASTRUCTURE SPECIFICATION 1901/1001

ISSUE 1 (REVISION 0) NOVEMBER 2007

| | |
|---------------------|-------------------|
| DRAWN MELISSA YOUNG | DATE 2/21/2011 |
| SCALE 1 3000 | REF. NO 512/T9244 |

**SITE DEVELOPMENT PLAN
SHEET 3 OF 9**







SITE NAME

DIEPGESIT SAPPI

BASE STATION NUMBER
T9244

| REV | DATE | BY | DESCRIPTION |
|-----|------------|----|-------------|
| A | 22/11/2011 | MY | FIRST ISSUE |
| | | | |
| | | | |

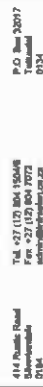
OWNER: RUSTY HENRIK JACOBUS

| STRICTLY COMPANY CONFIDENTIAL | |
|-------------------------------|------------------------------|
| PROPERTY DESCRIPTION | REMAINING EXTENT OF THE FARM |
| | GRENSPAD 433 JT |

| | |
|-------------|------------------|
| COORDINATES | |
| LAT | 25° 55' 30 00" S |
| LONG | 30° 25' 30 10" E |

PROJECT NEW 15x10 TELECOMMUNICATION BASESTATION
WITH A 54m TOWER LATTICE MAST FOR MTN (PTY) LTD

ADDRESS
SAPPI FORESTS,
KALKLOOF ROAD
BAOFLAAS
MPUMALANGA



ON 03B

149732

PROJECT NUMBER

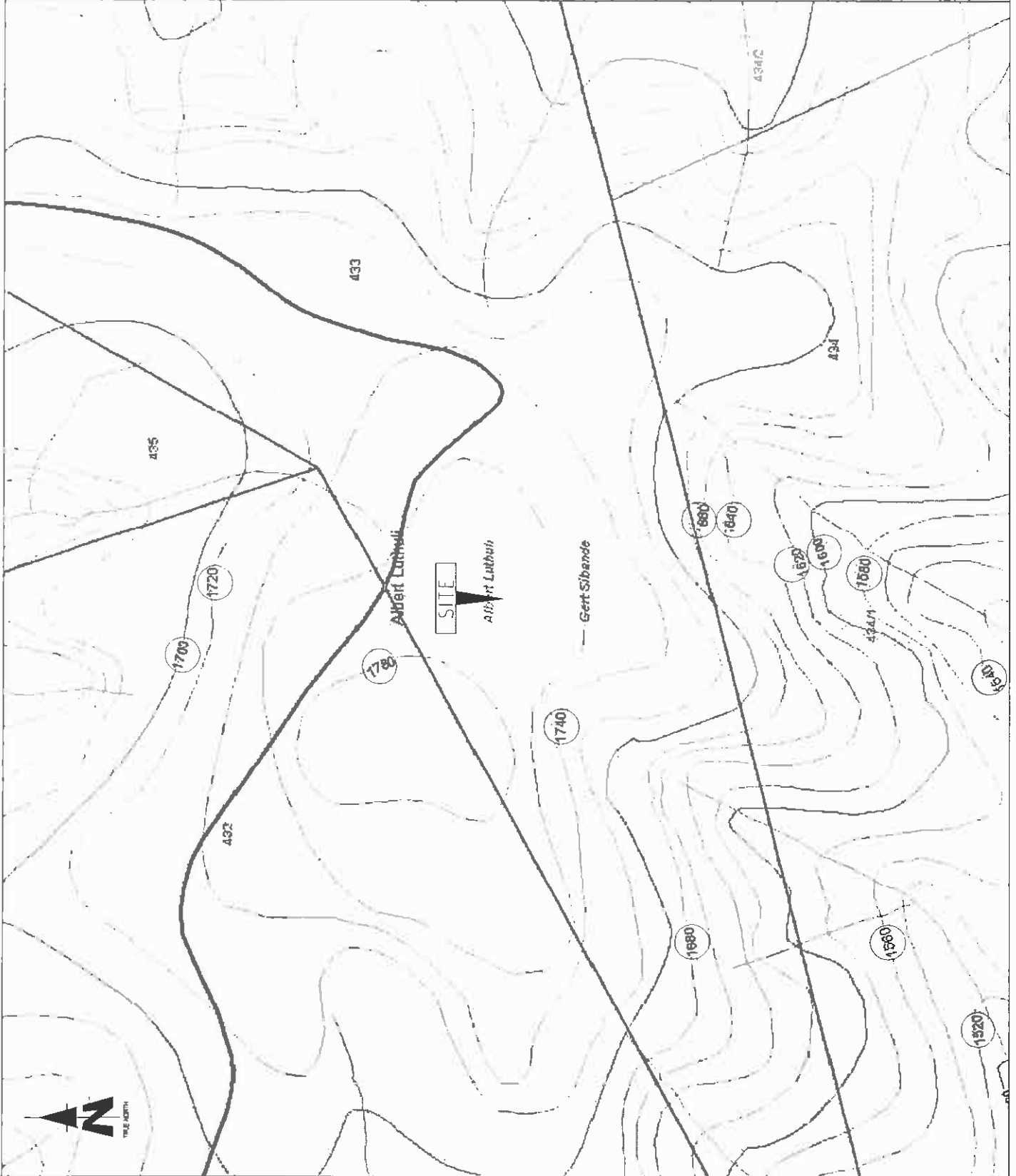
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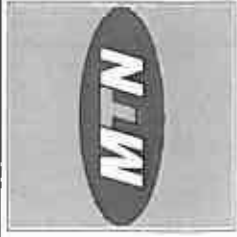
ALL WORK TO BE PERFORMED ACCORDING TO MTH BTS SITE
INFRASTRUCTURE SPECIFICATION PUBL. 001
ISSUE 1 REV. 01-01-2007

| | | | |
|-------|---------------|------|------------|
| DRAWN | MELISSA YOUNG | DATE | 22/11/2011 |
|-------|---------------|------|------------|

| | |
|-----------|-------------------|
| SCALE NTS | REF. NO 812/T9244 |
|-----------|-------------------|

CONTOUR INTERVAL
SHEET 5 OF 9





1287 Progress Street
Block B Highlands Campus
Johannesburg, 0083
Tel: +27 (12) 342 2000
Fax: +27 (12) 342 8708
Project Site: 148
Project Site: 115
Project Site: 115

SITE NAME

DIEPGESIT SAPPI

BASE STATION NUMBER

T9244

| REV | DATE | BY | DESCRIPTION |
|-----|------------|----|-------------|
| A | 22/11/2011 | MY | FIRST ISSUE |

NOTES
OWNER: RUTH MENDOZA JACOBS

STRICTLY COMPANY CONFIDENTIAL
PROPERTY DESCRIPTION
REMAINING EXTENT OF THE FARM
GRENSPAD 433 JT

COORDINATES
LAT 25° 56' 30" 90° E
LONG 30° 25' 30" 10° E

PROJECT
NEW 10x10 TELECOMMUNICATION BASESTATION
WITH A 54m TOWER LATTICE MAST FOR MTN (PTY) LTD

ADDRESS
SAPPI FORESTS
KALUKO ROAD
BATHOLAS
MPUMALANGA



414 Rennie Road
Shepherdsville
0164
Tel: +27 (12) 342 15049
Fax: +27 (12) 342 7072
P.O. Box 32017
Tembisa
0154

RFQ NO
148732

PROJECT NUMBER
118658

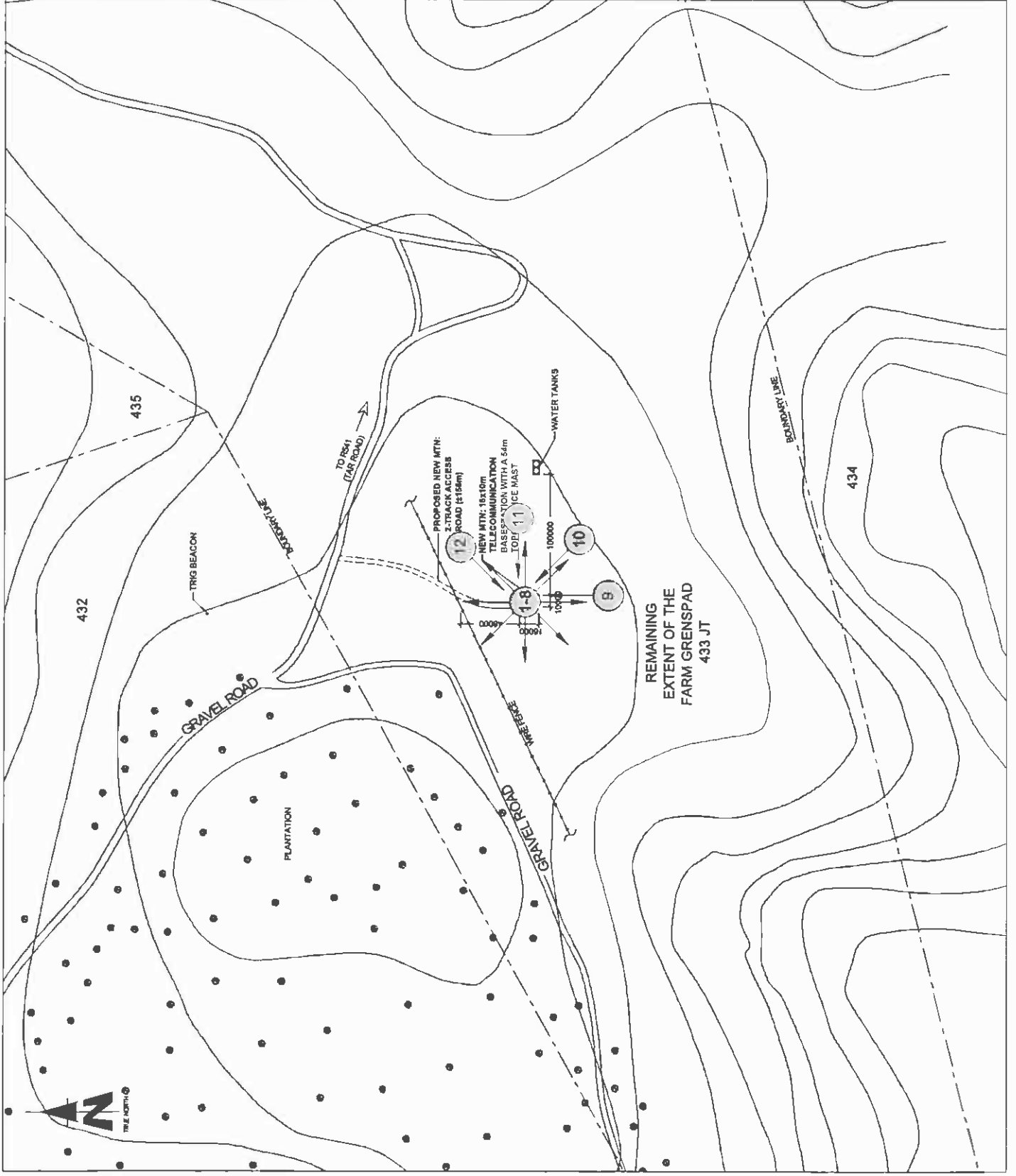
DRAWINGS MUST NOT BE SCALED. ONLY DIMENSIONS TO BE
USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT
OF WORK.

ALL WORK TO BE PERFORMED ACCORDING TO MTN SITE
SPECIFICATIONS AND STANDARDS.

DRAWN: MELISSA YOUNG
SCALE: 1:3000

DATE: 22/11/2011
REF NO: 812/T9244

SITE PHOTOGRAPHS
SHEET 6 OF 9





DIEPGESIT SAPPI

BASE STATION NUMBER
T9244

| REV | DATE | BY | DESCRIPTION |
|-----|------------|----|-------------|
| | 22/11/2011 | MY | FIRST ISSUE |

| | |
|-------|---------------------------------|
| NOTES | OWNER: RUSBY HENDERSON JACOBIUS |
|-------|---------------------------------|

STRICTLY COMPANY CONFIDENTIAL

PROPERTY DESCRIPTION

REMAINING EXTENT OF THE FARM
GRENSPAD 433 JT

COORDINATES
LAT 25° 56' 30" N
LONG 30° 25' 30" E

PROJECT
NEW 15x10 TELECOMMUNICATION BASE STATION
WITH A 54m TOPO LATTICE MAST FOR MTN (PTY) LTD

ADRESB
SAPPI FORESTS
KALKLOOF ROAD
BADPLAAS.
MPUMALANGA



1414 Pacific Road
Sausalito
CA 94965
Tel. +1 (415) 338-1508
Fax +1 (415) 338-1572
info@415.com

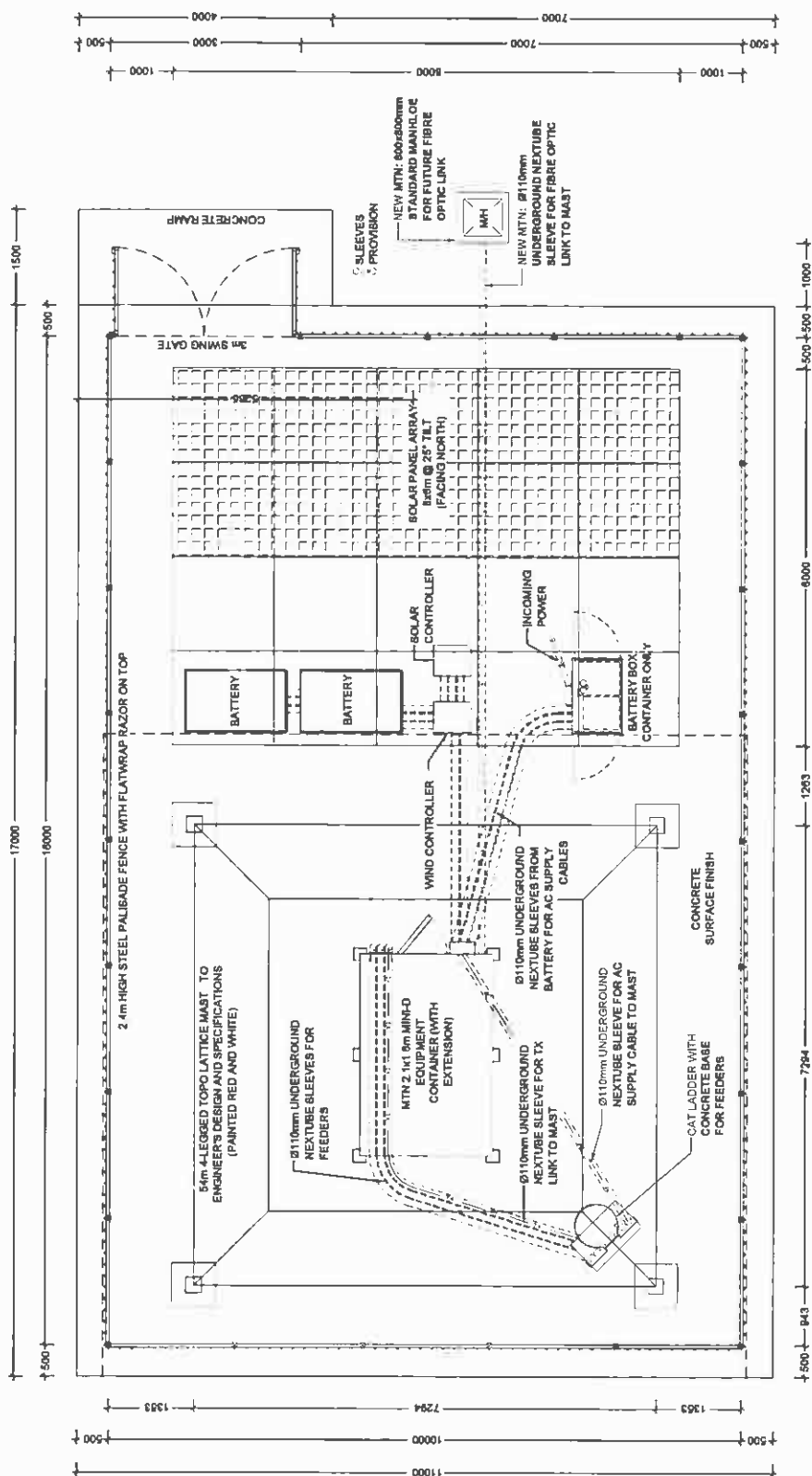
IFQ NO.
148732

PROJECT NUMBER
115A58

DRAWINGS MUST NOT BE SCALED. ONLY DIMENSIONED DIMENSIONS TO BE USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT OF WORK.

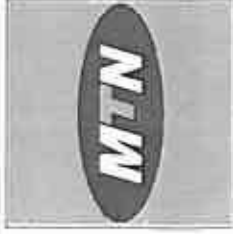
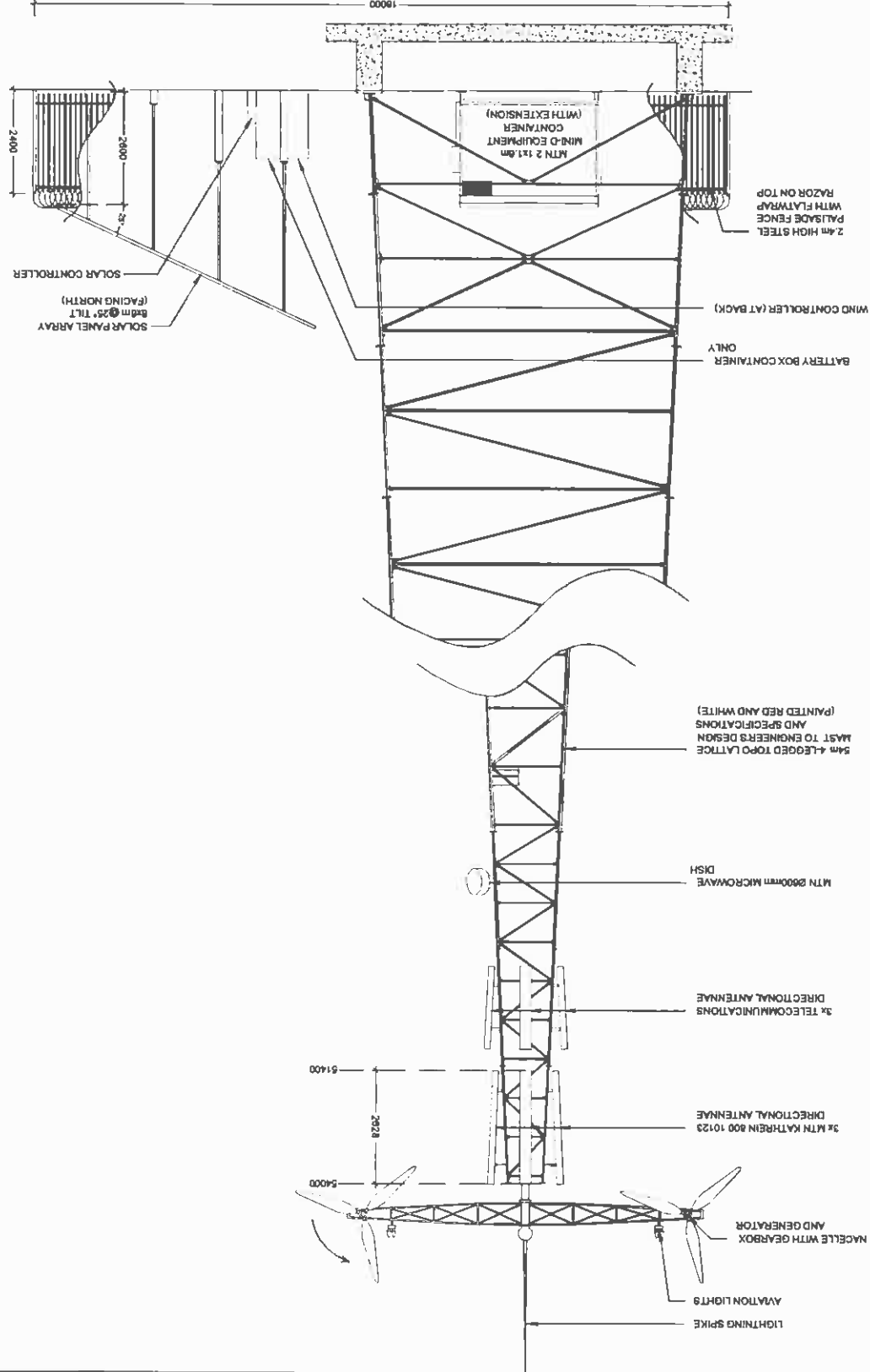
ALL WORK TO BE PERFORMED ACCORDING TO WITH ITS SITE
INFRASTRUCTURE SPECIFICATION (RIS1/1001)

| | |
|--------------------|--------------------|
| RAWN MELUSSA YOUNG | DATE 2/11/2011 |
| CALE 175 | REF. NO. 812JT9244 |

SITE DETAIL
SHEET 7 OF 9

MTN ANTENNAE KEY

| SECTOR | AZIMUTH | ANTENNA | HEIGHT - BOTTOM (m) | MECH TILT | ELEC TILT | FEEDER SIZE | FEEDER LENGTH (m) |
|--------|---------|-----------|------------------------|--------------|--------------|----------------|----------------------|
| 1 | 30° | K80010123 | 51.4 | | | 7/8" | ± 56 |
| 2 | 150° | K80010123 | 51.4 | | | 7/8" | ± 56 |
| 3 | 270° | K80010123 | 51.4 | | | 7/8" | ± 56 |



1287 Pretorius Street
Blanc B. Houtboek Campus
Hatfield, 0083
Tel: +27 (0) 342 2920
Fax: +27 (0) 342 2928
Private Bag 219
Mabopane

SITE NAME

DIEPGESIT SAPPI

BASE STATION NUMBER
T9244

| REV | DATE | BY | DESCRIPTION |
|-----|------------|----|-------------|
| A | 22/11/2011 | MY | FIRST ISSUE |

NOTES
OWNER: MTN HENDRIK JACOBUS

STRICTLY COMPANY CONFIDENTIAL
PROPERTY DESCRIPTION
REMAINING EXTENT OF THE FARM
GRENSPAD 433 JT

COORDINATES
LAT 25° 56' 30.90" S
LONG 30° 25' 30.10" E

PROJECT
NEW 19410 TELECOMMUNICATION BASESTATION
WITH A 54m TOPO LATTICE MAST FOR MTN (PTV) LTD

ADDRESS
SAPPI FORESTS
KALKLOOF ROAD
BAOPLAAS
MPTMALANGA

INFRASTRUCTURE
PLANNING SERVICES



414 Pacific Road
Blenheim
0141
Tel: +27 (0) 804 15046
Fax: +27 (0) 804 1072
www.ipsgroup.co.za
P.O. Box 32007
Tlokweng
0141

RFC NO.

148732

PROJECT NUMBER

118958

DIMENSIONS MUST NOT BE SCALED. ONLY PROVIDED DIMENSIONS TO BE
USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT
OF WORK.

ALL WORK TO BE PERFORMED ACCORDING TO MTN SITE SITE
SPECIFICATIONS AND STANDARDS.
REVISION 1 NOVEMBER 2011

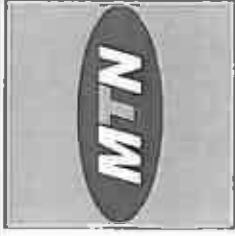
DRAWN: MELURBAYOUNG

DATE: 22/11/2011

SCALE: 1:100

REF NO: 812/T9244

EAST ELEVATION
SHEET 8 OF 9



1207 Pretorius Street
Block B, Hydecoke Campus
Hydecoke, 0083
Tel: +27 (0) 842 3000
Fax: +27 (0) 842 3000
P.O. Box 32017
Hydecoke
0154

SITE NAME

DIEPGESIT SAPPI

BASE STATION NUMBER

T9244

| REV | DATE | BY | DESCRIPTION |
|-----|------------|----|-------------|
| A | 22/11/2011 | MY | FIRST ISSUE |

NOTES

OWNER: RUST HEUTERIK JACOBUS

STRICTLY COMPANY CONFIDENTIAL

PROPERTY DESCRIPTION
REMAINING EXTENT OF THE FARM
GRENSPAD 433 JT

COORDINATES

LAT 25° 56' 30" S
LONG 30° 25' 30.10" E

PROJECT

NEW 16x10 TELECOMMUNICATION BASESTATION
WITH A 54m TOPO LATTICE MAST FOR MTN (PTY) LTD

ADDRESS

SAPPI FORESTS
KALLOOF ROAD
BAOPLAAS
MPUMALANGA

INFRASTRUCTURE
PLANNING SERVICES



414 Rustia Road

Tel: +27 (0) 804 15048

Fax: +27 (0) 804 17072

info@ipsplanning.co.za

P.O. Box 32017
Hydecoke
0154

REF NO

148722

PROJECT NUMBER

118858

DRAWINGS MUST NOT BE SCALED. ONLY DIMENSIONS TO BE
USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT
OF WORK.

ALL WORK TO BE PERFORMED ACCORDING TO MTN ET'S SITE
INFRASTRUCTURE SPECIFICATION PROJECT
ISSUE 1, REVISION 0 NOVEMBER 2007

DRAWN: MELISSA YOUNG

DATE: 22/11/2011

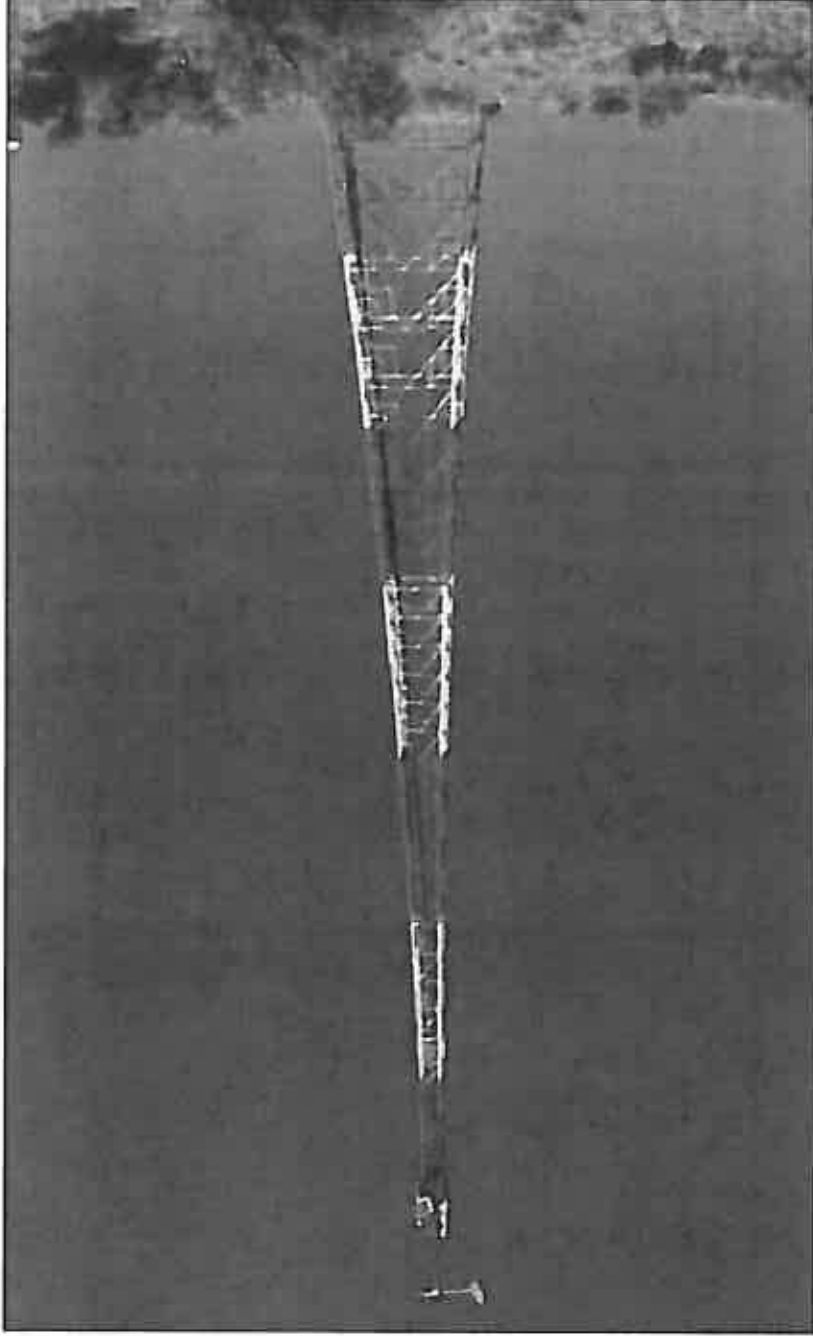
SCALE: NTS

REF. NO: 812/T9244

FACILITY ILLUSTRATION

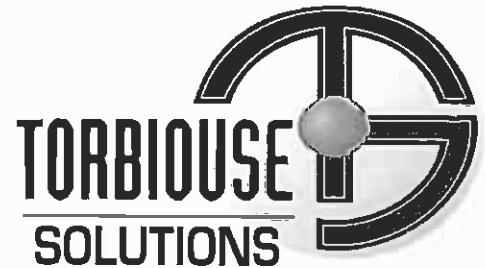
SHEET 9 OF 9

TYPICAL 4-LEGGED TOPO LATTICE MAST
(PAINTED RED & WHITE)



Our Reference:
T9244 / 17/2/3/GS-69

Your Reference:



2 February 2012

The Ward Councillor
Albert Luthuli Local Municipality
P.O.Box 24
Carolina
1185

Reg. No. 2001/080535/23

PO Box 32017, Totiusdal, 0134

414 Rustic Road
Silvertondale, 0184
Pretoria

Attention: Cllr E J Joubert
Councillor: Ward 23

Tel: (012) 804 1504/ 6

Fax: (012) 804 7072

e-mail: admin@torbiousesolutions.co.za

Facsimile: 086 608 2948

E-mail:

Dear Sir / Madam,

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON REMAINING EXTENT OF THE FARM GRENSPAD 433 JT.

In terms of the Act and related regulations and guidelines ward councillors are identified as key interested and affected parties (I&AP).

We request you to evaluate the attached information on the proposed project and provide us with your written comments and/or inputs, if any, by faxing or e-mailing such within 30 days from the date of this notification. It will be assumed that you do not have any comments on the Environmental Application of the proposed project on the expiry of the 30 day response period.

Please forward the attached documentation to the relevant Resident Association or provide us with their contact details.

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

Kind Regards,

WA VAN'T FOORT

For: Torbiouse Solutions cc

Comments:

TX Result Report

P 1

01/02/2012 14:30

Serial No. A02E041005518

TC: 788426

| Destination | Start Time | Time | Prints | Result | Note |
|-------------|-------------|----------|---------|--------|------|
| 0866082948 | 02-01 14:11 | 00:18:46 | 010/010 | OK | |

Note TX: Timer TX, POL: Polling, ORG: Original Size Setting, FME: Frame Erase TX, MIX: Mixed Original TX, CALL: Manual TX, CSRC: CSRC, FDD: Forward, PC: PC-Fax, BLD: Double-Sided Binding Direction, SB: Special Original, FCODE: F-Code, RTX: Re-TX, RLY: Relay, MBL: Confidential, BUL: Bulletin, SIP: SIP Fax, IPADR: IP Address Fax, I-FAX: Internet Fax

Result OK: Communication OK, S-OK: Stop Communication, PW-OFF: Power Switch OFF, TEL: RX from TEL, NG: Other Error, Cont: Continue, No Ans: No Answer, Refuse: Receipt Refused, Busy: Busy, M-Full: Memory Full, LOVR:Receiving length Over, POVER:Receiving page Over, FIL:File Error, DC:Decode Error, MDN:MDN Response Error, DSN:DSN Response Error.

Our Reference:
T9244 / 17/2/3/GS-69

Your Reference:

2 February 2012

The Ward Councillor
Albert Luthuli Local Municipality
P.O.Box 24
Carolina
1185

Attention: Cnr E J Joubert
Councillor: Ward 23

Facsimile: 086 608 2948
E-mail:



Reg. No. 2001/080535/23
PO Box 32017, Tetrusdal, 0134

414 Rustic Road
Silvertondale, 0184
Pretoria

Tel: (012) 804 1504/6
Fax: (012) 804 7072
e-mail: admin@torbiouse.com

Dear Sir / Madam,

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) II (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON REMAINING EXTENT OF THE FARM GRENSPAD 433 JT.

In terms of the Act and related regulations and guidelines ward councillors are identified as key interested and affected parties (I&AP).

We request you to evaluate the attached information on the proposed project and provide us with your written comments and/or inputs, if any, by faxing or e-mailing such within 30 days from the date of this notification. It will be assumed that you do not have any comments on the Environmental Application of the proposed project on the expiry of the 30 day response period.

Please forward the attached documentation to the relevant Resident Association or provide us with their contact details.

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

Kind Regards,

WA VAN'T FOORT
For: Torbiouse Solutions cc

Comments:

Our Reference:
T9244 / 17/2/3/GS-69

Your Reference:



2 February 2012

The Municipal Manager
Gert Sibande District Municipality
P.O.Box 550
Secunda
2302

Reg. No. 2001/080535/23

PO Box 32017, Totiusdal, 0134

414 Rustic Road
Silvertondale, 0184
Pretoria

Attention: Mr M.Ngcobo
Environmental Management Section

Tel: (012) 804 1504/ 6

Fax: (012) 804 7072

e-mail: admin@torblousesolutions.co.za

Facsimile: (017) 631 1607

E-mail: marinda.booth@gsibande.gov.za

Dear Sir / Madam,

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 ("NEMA") AS AMENDED TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON REMAINING EXTENT OF THE FARM GRENSPAD 433 JT.

In terms of the Act and related regulations and guidelines Local Authorities are identified as key interested and affected parties (I&AP).

We request you to evaluate the attached information on the proposed project and provide us with your written comments and/or inputs, if any, by faxing or e-mailing such within 30 days from the date of this notification. It will be assumed that you do not have any comments on the Environmental Application of the proposed project on the expiry of the 30 day response period.

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

Kind Regards,

WA VAN'T FOORT

For: Torbouse Solutions cc

Comments:

TX Result Report

P 1

15/02/2012 16:59

Serial No. A02E041005518

TC: 802644

| Destination | Start Time | Time | Prints | Result | Note |
|-------------|-------------|----------|---------|--------|------|
| 0178111207 | 02-15 16:56 | 00:02:52 | 010/010 | OK | |

Note TMR: Timer TX, POL: Polling, ORG: Original Size Setting, FME: Frame Erase TX,
 MIX: Mixed Original TX, CALL: Manual TX, CSRC: CSRC, FWD: Forward, PC: PC-Fax,
 BND: Double-Sided Binding Direction, SP: Special Original, FCODE: F-code, RTX: R8-TX,
 RLV: Relay, MBX: Confidential, BUL: Bulletin, SIP: SIP Fax, IPADR: IP Address Fax,
 I-FAX: Internet Fax

Result OK: Communication OK, S-OK: Stop Communication, PW-OFF: Power Switch OFF,
 TEL: RX from TEL, NG: Other Error, Cont: Continue, No Ans: No Answer,
 Refuse: Receipt Refused, Busy: Busy, M-Full: Memory Full,
 LOVR: Receiving length Over, POVER: Receiving page Over, FIL: File Error,
 DC: Decode Error, MDN: MDN Response Error, DSN: DSN Response Error.

Our Reference:
 T9244 / 17/2/3/GS-89

Your Reference:

2 February 2012

The Municipal Manager
 Gert Sibande District Municipality
 P.O.Box 850
 Secunda
 2302

Attention: Mr M. Ngcobo
 Environmental Management Section

Facsimile: (017) 631 1607
 E-mail: marinda.booth@gelbende.gov.za



Reg. No. 2001/060535/23

PO Box 32017, Totiusdal, 0134

414 Rustic Road
 Silvertondale, 0184
 Pretoria

Tel: (012) 804 1504/ 6

Fax: (012) 804 7072

e-mail: admin@torbiousolutions.co.za

Dear Sir / Madam,

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL
 MANAGEMENT ACT 1998 ("NEMA") AS AMENDED TO THE COMPETENT AUTHORITY FOR
 LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN
 (PTY) LTD TELECOMMUNICATION BASE STATION ON REMAINING EXTENT OF THE FARM
 GRENSPAD 433 JT.

In terms of the Act and related regulations and guidelines Local Authorities are identified as key
 interested and affected parties (I&AP).

We request you to evaluate the attached information on the proposed project and provide us with
 your written comments and/or inputs, if any, by faxing or e-mailing such within 30 days from the date
 of this notification. It will be assumed that you do not have any comments on the Environmental
 Application of the proposed project on the expiry of the 30 day response period.

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

Kind Regards,

WA VAN'T FOORT
 For: Torbious Solutions cc

Comments:

Members: KW Anholts; GA Anholts

TX Result Report

P 1

01/02/2012 14:11

Serial No. A02ED41005518

TC: 788332

| Destination | Start Time | Time | Prints | Result | Note |
|-------------|-------------|----------|---------|--------|------|
| 0176311607 | 02-01 14:10 | 00:00:56 | 000/010 | No Ans | |

Note TMR: Timer TX, POL: Polling, ORG: Original Size Setting, FME: Frame Erase TX,
 MMR: Mixed Original TX, CALL: Manual TX, CBRC: CBRC, FWD: Forward, PC: PC-Fax,
 BND: Double-Sided Binding Direction, SR: Special original, FCODE: F-code, RTX: Re-TX,
 RL: Relay, MB: Confidential, BUL: Bulletin, SIP: SIP Fax, IPADR: IP Address Fax,
 I-Fax: Internet Fax

Result OK: Communication OK, S-OK: Stop Communication, PW-OFF: Power Switch OFF,
 TEL: RX from TEL, NG: Other Error, Cont: Continue, No Ans: No Answer,
 Refuse: Receipt Refused, Busy: Busy, M-Full: Memory Full,
 LOVR: Receiving length Over, POVER: Receiving page Over, FIL: File Error,
 DC: Decode Error, MDN: MDN Response Error, DSN: DSN Response Error.

Our Reference:
 T9244 / 17/2/3/GS-89

Your Reference:

2 February 2012

The Municipal Manager
 Gert Sibande District Municipality
 P.O.Box 550
 Secunda
 2302

Attention: Mr M. Ngoobo
 Environmental Management Section

Facsimile: (017) 631 1607
 E-mail: marinda.booth@gelsibande.gov.za



Reg. No. 2001/060535/23

PO Box 32017, Tloveland, 0134

414 Rustic Road
 Silvertondale, 0154
 Pretoria

Tel: (012) 804 1504/6

Fax: (012) 804 7072

e-mail: admin@torblousesolutions.co.za

Dear Sir / Madam,

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 ("NEMA") AS AMENDED TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON REMAINING EXTENT OF THE FARM GRENSPAD 433 JT.

In terms of the Act and related regulations and guidelines Local Authorities are identified as key interested and affected parties (I&AP).

We request you to evaluate the attached information on the proposed project and provide us with your written comments and/or inputs, if any, by faxing or e-mailing such within 30 days from the date of this notification. It will be assumed that you do not have any comments on the Environmental Application of the proposed project on the expiry of the 30 day response period.

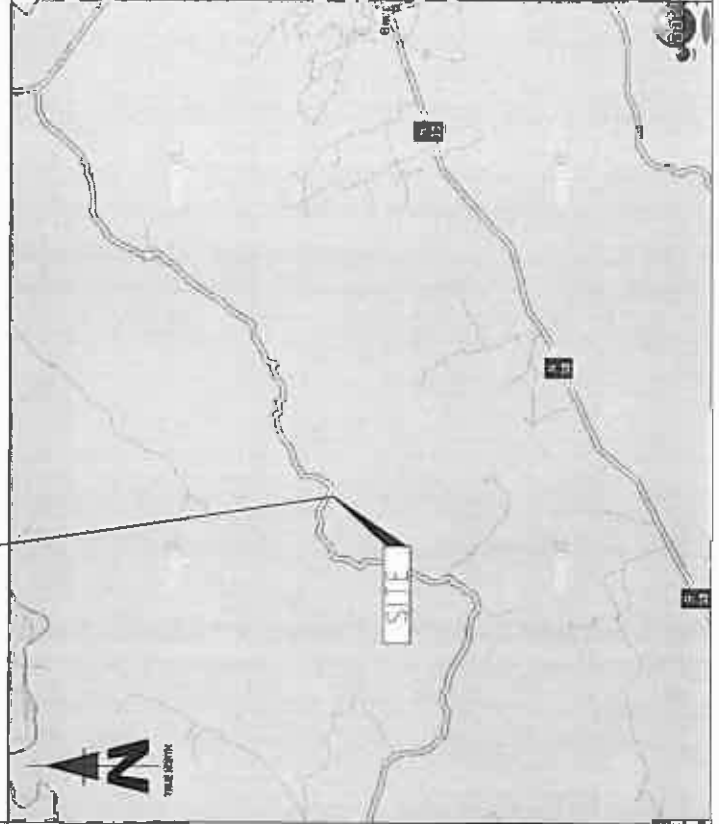
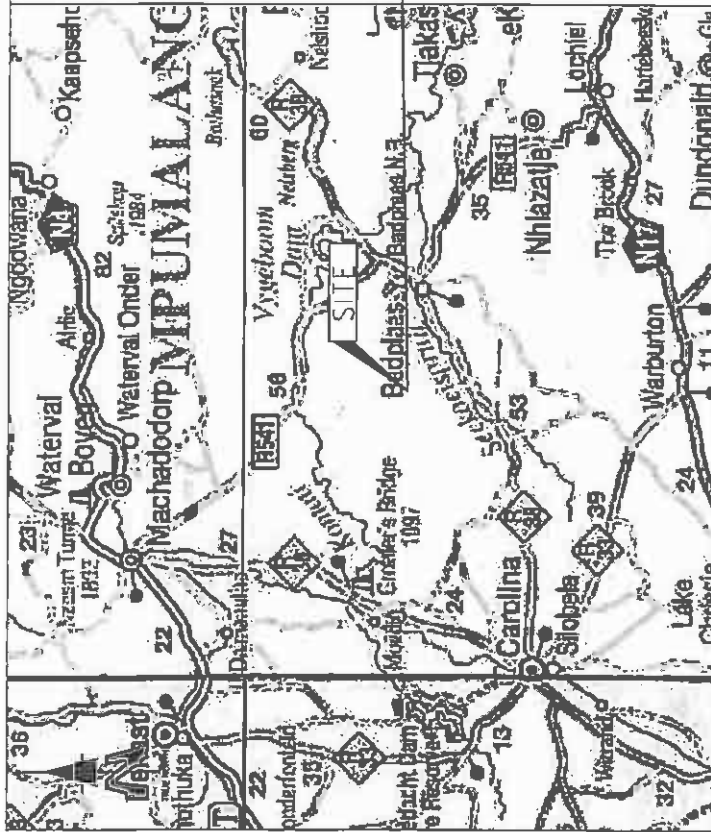
Should you have any further queries please do not hesitate to contact us.

Kind Regards,

WA VAN'T FOORT
 For: Torblouse Solutions cc

Comments:

Members: KW Anheita; GA Anheita



1287 Pretorius Street
Black & White Computer
Harfield, 0209
Tel: +27 (0) 343 3000
Fax: +27 (0) 343 3008
Project Ref: 148
Project Name: 215
Mantle Park

SITE NAME

DIEGESIT SAPPI

BASE STATION NUMBER

T9244

| REV | DATE | BY | DESCRIPTION |
|-----|------------|----|-------------|
| A | 22/12/2011 | MY | FIRST ISSUE |

NOTES

OWNER: MNT HENNER, JACOBUS

STRICTLY COMPANY CONFIDENTIAL

PROPERTY DESCRIPTION

REMAINING EXTENT OF THE FARM

GRENSPAD 433 JT

COORDINATES

LAT 25° 58' 30.90" S

LONG 30° 25' 30.10" E

PROJECT

NEW 10x10 TELECOMMUNICATION BASESTATION
WITH A 54m TOPO LATTICE MAST FOR MTN (PTY) LTD

ADDRESS

SAPPI FORESTS
SAPPI FOREST ROAD
BUSHY PARK
AFRICA

INFRASTRUCTURE
PLANNING SERVICES



414 Roodt Road
Bosmanville
0161
Tel: +27 (0) 854 15048
Fax: +27 (0) 854 15073
info@ipsinfra.com

RFO NO

148732

PROJECT NUMBER

116853

DRAWINGS MUST NOT BE SCALED. ONLY PROVIDED DIMENSIONS TO BE
USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT
OF WORK.

ALL WORK TO BE PERFORMED ACCORDING TO MTN SITE
INFRASTRUCTURE SPECIFICATION 1991/01
ISSUE 1 (15 NOVEMBER 2007)

DRAWN

MELISSA YOUNG

DATE

22/12/2011

SCALE

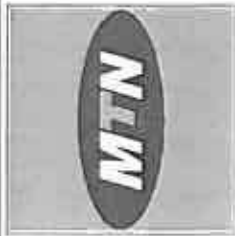
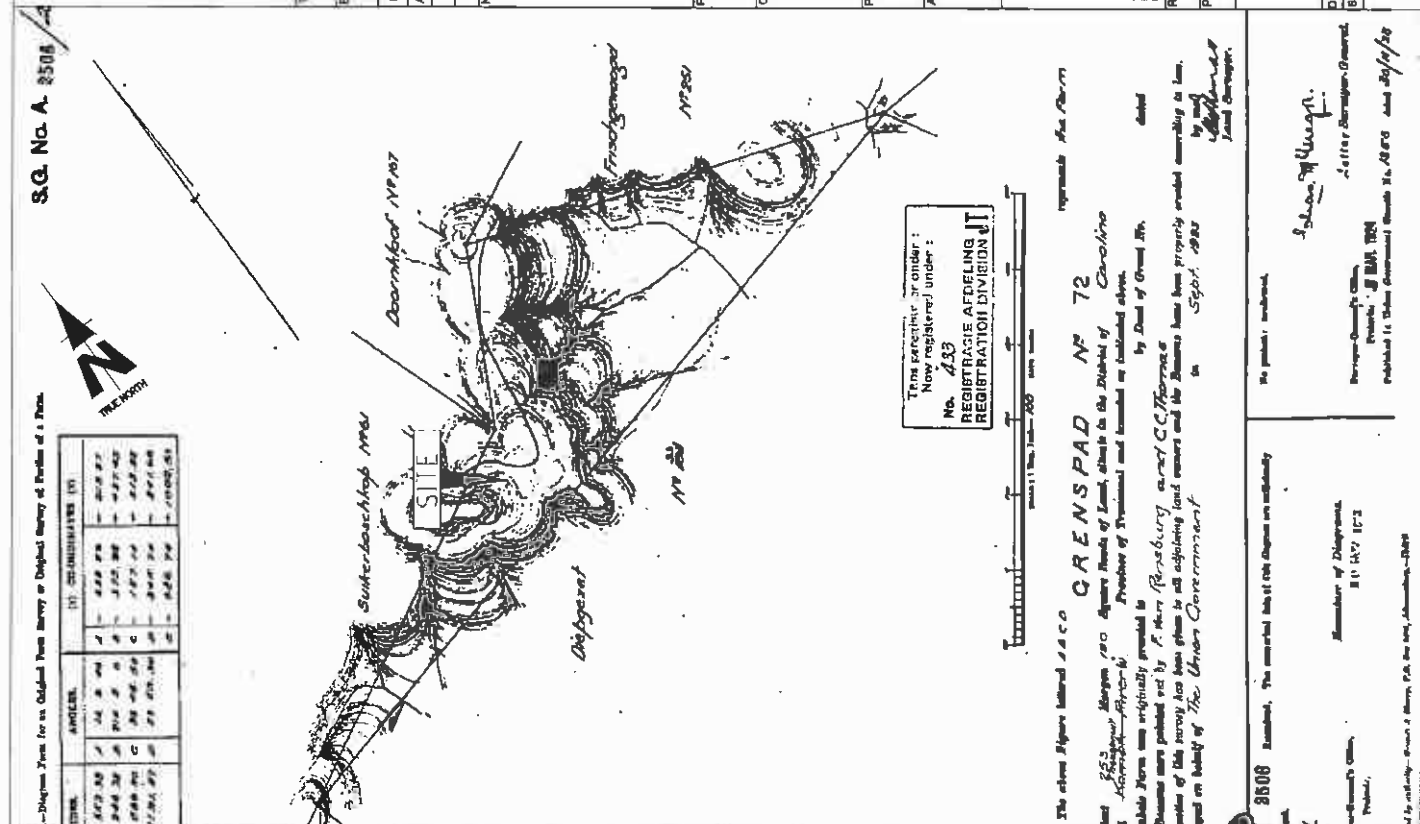
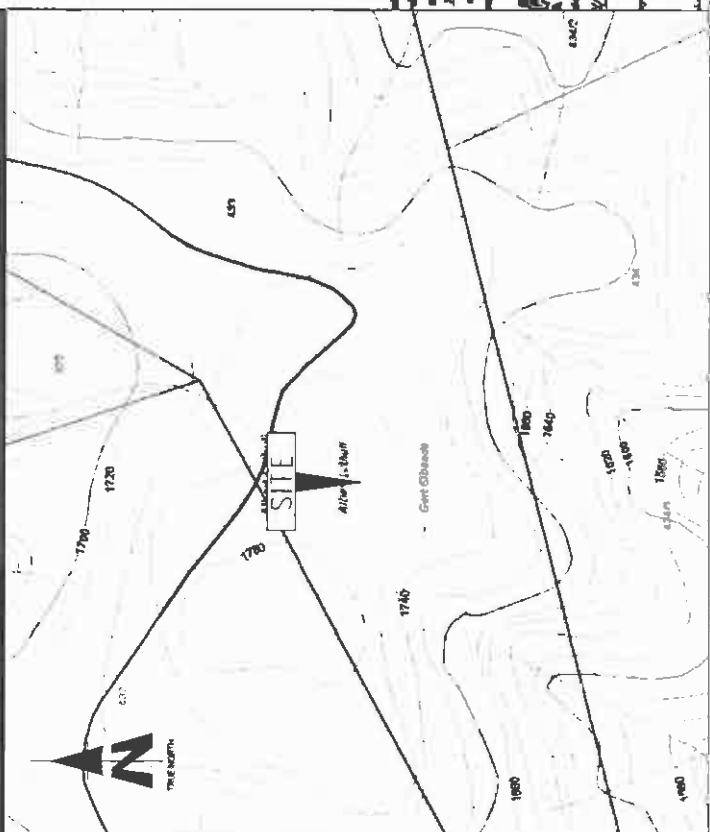
NTS

REF NO

612/16244

LOCALITY MAP

SHEET 1 OF 9



1207 Piedmont Blvd
Black & Mulholland Complex
Hawthorne, CA 90230
Tel: +27 (12) 343 2900
Fax: +27 (12) 343 8208
Postnet Suite 148
Private Bag 115
Meyers Park

SITTING MATTER

DIEPGESIT SAPPI

SALE STATION NUMBER

T9244

| REV | DATE | BY | DESCRIPTION |
|-----|------------|----|-------------|
| A | 22/11/2011 | MY | FIRST ISSUE |
| | | | |
| | | | |

NOTES

OWNER: RUDY WENDER JACOBS

STRICTLY COMPANY CONFIDENTIAL
PROPERTY DESCRIPTION
REMAINING EXTENT OF THE FARM
GRENSPAD 433 JT

COORDINATES
LAT 25° 55' 30.90" S
LONG 30° 25' 30.10" E

PROJECT
NEW 10x10 TELECOMMUNICATION BASESTATION
WITH A 54m TOPO LATTICE MAST FOR MTN (PTY) LTD

DORESS
SAPPI FOREST6.
KALKLOOF ROAD
BADPLAAS,
MPUMALANGA

**INFRASTRUCTURE
PLANNING SERVICES**



414 Plum Road
Stoughton
Tel: +27 (12) 804 1504#
Fax: +27 (12) 804 7072
P.O. Box 32017
Tembisa

2016

PRODUCT NUMBER

110042

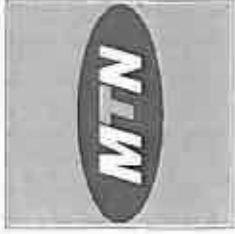
DRAWINGS MUST NOT BE SCALED. ONLY FIGURED DIMENSIONS TO BE USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT OF WORK.

ALL WORK TO BE PERFORMED ACCORDING TO MTFB'S SITE
INFRASTRUCTURE SPECIFICATION PH0111001

| | |
|--------------------|-----------------|
| RAWN MELISSA YOUNG | DATE 22/11/2011 |
|--------------------|-----------------|

| | |
|-----------------|----------|
| REF NO 012T0244 | CALE NTS |
|-----------------|----------|

ADASTRAL INFO
SHEET 2 OF 9



1307 Pretorius Street
Dunbar & Hendrikus Complex
Hartbeespoort 0183
Tel: +27 (0) 183 2000
Fax: +27 (0) 183 2008
Private Bag 215
Mantle Park

SITE NAME

DIEPGESIT SAPPI

BASE STATION NUMBER
T9244

| REV | DATE | BY | DESCRIPTION |
|-----|------------|----|-------------|
| A | 22/11/2011 | MY | FIRST ISSUE |

NOTES
OWNER MUST HONOUR JACOBI

STRICTLY COMPANY CONFIDENTIAL
PROPERTY DESCRIPTION
REMAINING EXTENT OF THE FARM
GRENSPAD 433 JT

COORDINATES
LAT 25° 59' 30.90" S
LONG 30° 25' 30.10" E

PROJECT
NEW 18x10 TELECOMMUNICATION BASESTATION
WITH A 64m TOPO LATTICE MAST FOR MTN (PTY) LTD

ADDRESS
SAPPI FORESTS
KALKLOOF ROAD
BADFLAAS
MUFUNALANGA

INFRASTRUCTURE
PLANNING SERVICES



414 Peka Road
Mantle Park
Tel: +27 (0) 183 19049
Fax: +27 (0) 183 2079
info@ipsafrica.co.za

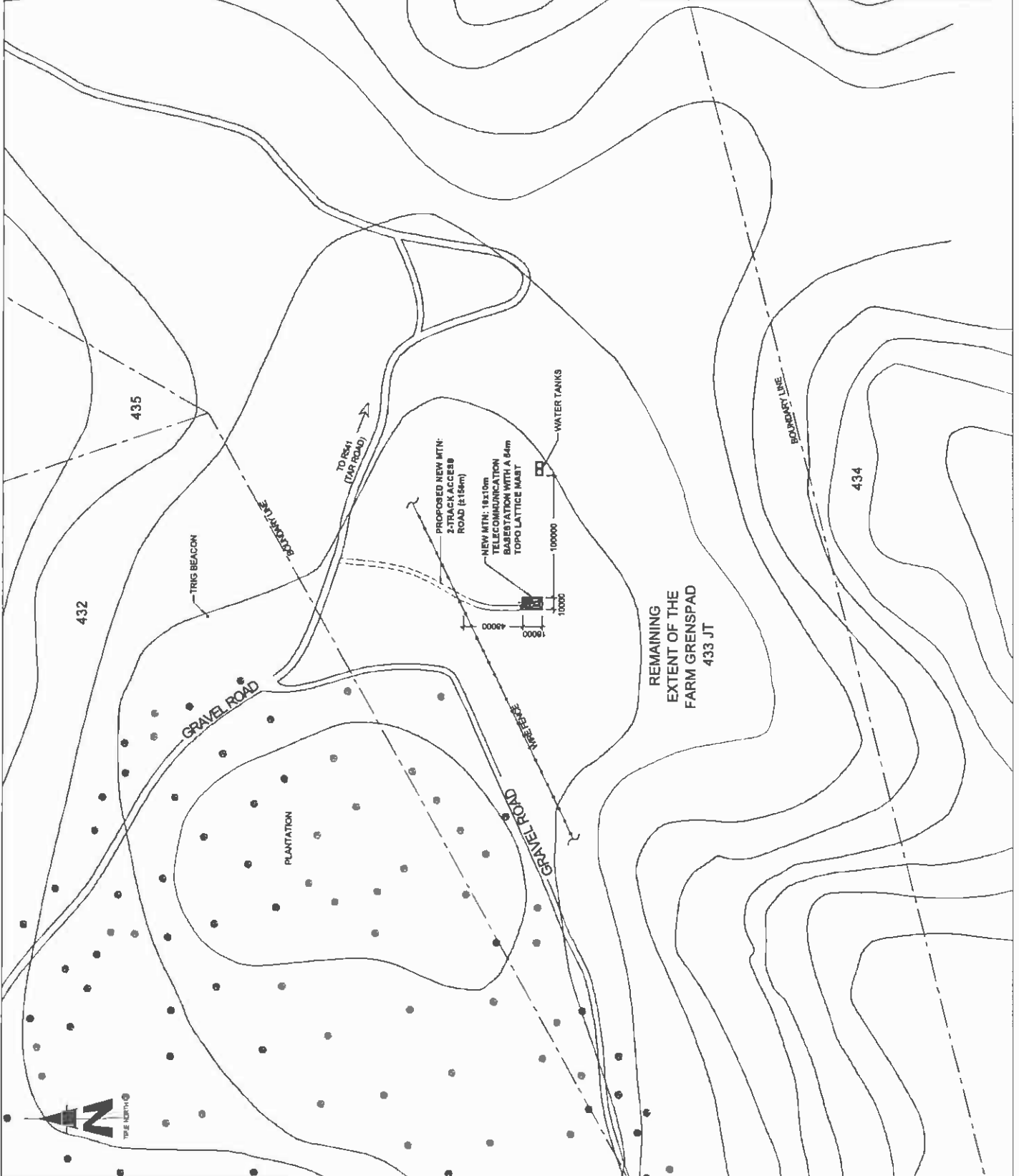
P.O. Box 22017
Hartbeespoort
0183

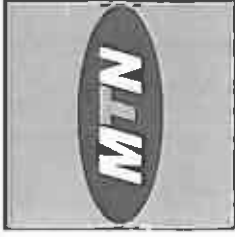
RFQ NO
149732
PROJECT NUMBER
118858

DRAWINGS MUST NOT BE SCALED. ONLY DIMENSIONS TO BE
USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT
OF WORK.
ALL WORKS TO BE IN ACCORDANCE WITH THE SITE
INFRASTRUCTURE SPECIFICATION DOCUMENT
TABLE 1 REVISION 9 NOVEMBER 2007

DRAWN: MELISSA YOUNG
SCALE 1:3000
DATE 22/11/2011
REF NO: B12/T9244

SITE DEVELOPMENT PLAN
SHEET 3 OF 9





1207 Pretoria Street
Black & White Computers
Hatfield, 0083
Tel: +27 (0) 342 2000
Fax: +27 (0) 342 2008
Private Bag 115
Sandvlei Park

SITE NAME

DIEPGESIT SAPPI

BASE STATION NUMBER
T9244

| REV | DATE | BY | DESCRIPTION |
|-----|------------|----|-------------|
| A | 22/11/2011 | MY | FIRST ISSUE |

NOTES
OWNER: JUST HENDRIK JACOBUS

STRICTLY COMPANY CONFIDENTIAL
PROPERTY DESCRIPTION
REMAINING EXTENT OF THE FARM
GRENSPAD 433 JT

COORDINATES
LAT 25° 56' 30.80" S
LONG 30° 25' 30.10" E

PROJECT
NEW 16x10 TELECOMMUNICATION BASESTATION
WITH A 54m TOWER LATTICE MAST FOR MTN (PTY) LTD

ADDRESS
SAPPI FORESTS
KALLOOF ROAD
BADPLAAS
NPUMALANGA

INFRASTRUCTURE
PLANNING SERVICES



414 Pretoria Road
Sandvlei Park
Tel: +27 (0) 342 12048
Fax: +27 (0) 342 7072
info@ipsafrica.co.za

RFD NO

148732

PROJECT NUMBER

116858

DRAWINGS MUST NOT BE SCALED. ONLY DIMENSIONS TO BE
USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT
OF WORK.

ALL WORK TO BE PERFORMED ACCORDING TO MTN 678 SITE
INSTALLATION MANUAL (REV. 01/2011)
ISSUE 1: NOVEMBER 2007

DRAWN: MELISSA YOUNG

SCALE: 1:3000

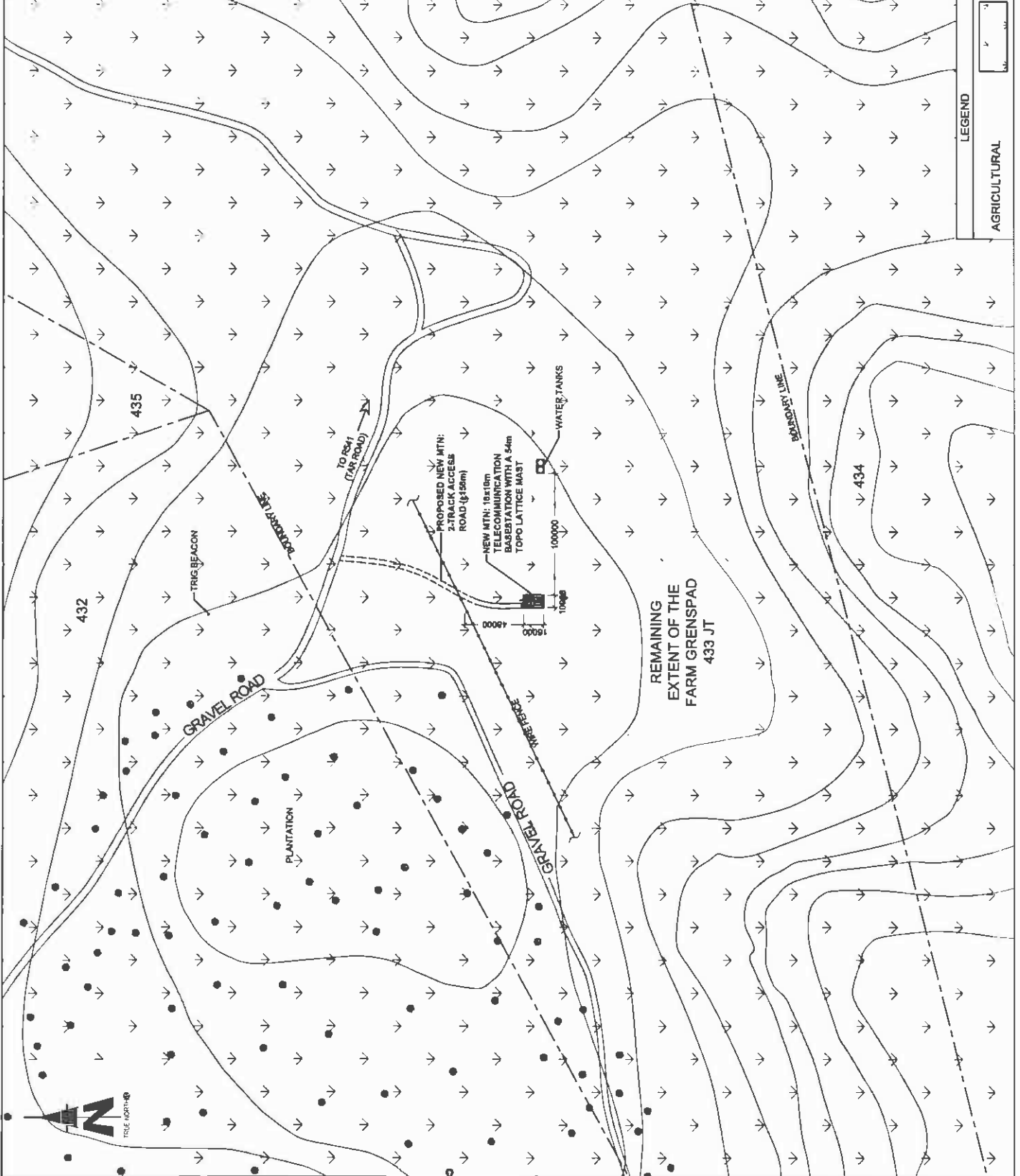
DATE: 22/11/2011

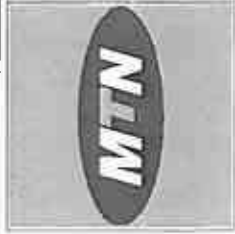
REF. NO: 612/79244

CURRENT LAND USE
SHEET 4 OF 9

AGRICULTURAL

LEGEND





1287 Pretorius Street
Block B, Halfwaybridge Campus
Halfwaybridge, 0283
Tel: +27 (12) 342 2000
Fax: +27 (12) 342 9208
Project Site: 148
Private Bag 215
Midrand, 2008

SITE NAME

DIEGESIT SAPPI

BASE STATION NUMBER

T9244

| REV | DATE | BY | DESCRIPTION |
|-----|------------|----|-------------|
| A | 22/11/2011 | MY | FIRST ISSUE |

NOTES

OWNER: RUST HENCKS JACOBUS

STRICTLY COMPANY CONFIDENTIAL
PROPERTY DESCRIPTION
REMAINING EXTENT OF THE FARM
GRENSPAD 433 JT

COORDINATES
LAT 25° 56' 30 00" S
LONG 30° 25' 30 10" E

PROJECT
NEW 10x10 TELECOMMUNICATION BASESTATION
WITH A 5m TOPG LATTICE MAST FOR MTN (PTY) LTD

ADDRESS
SAPPI FORESTS
KALKLOOF ROAD
BADPLAAS
MPUMALANGA

INFRASTRUCTURE
PLANNING SERVICES



416 Route 1 Road
Showerston
0184
Tel: +27 (12) 804 15048
Fax: +27 (12) 804 7072
P.O. Box 32017
Tembisa
0184

RFQ NO

14872

PROJECT NUMBER

116953

DRAWINGS MUST NOT BE SCALED. ONLY DIMENSIONS TO BE
USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT
OF WORK.

ALL WORK TO BE PERFORMED ACCORDING TO MTN SITE SITE
SPECIFICATIONS AND STANDARDS.
REVISION 1 NOVEMBER 2007

DRAWN: MELISSA YOUNG

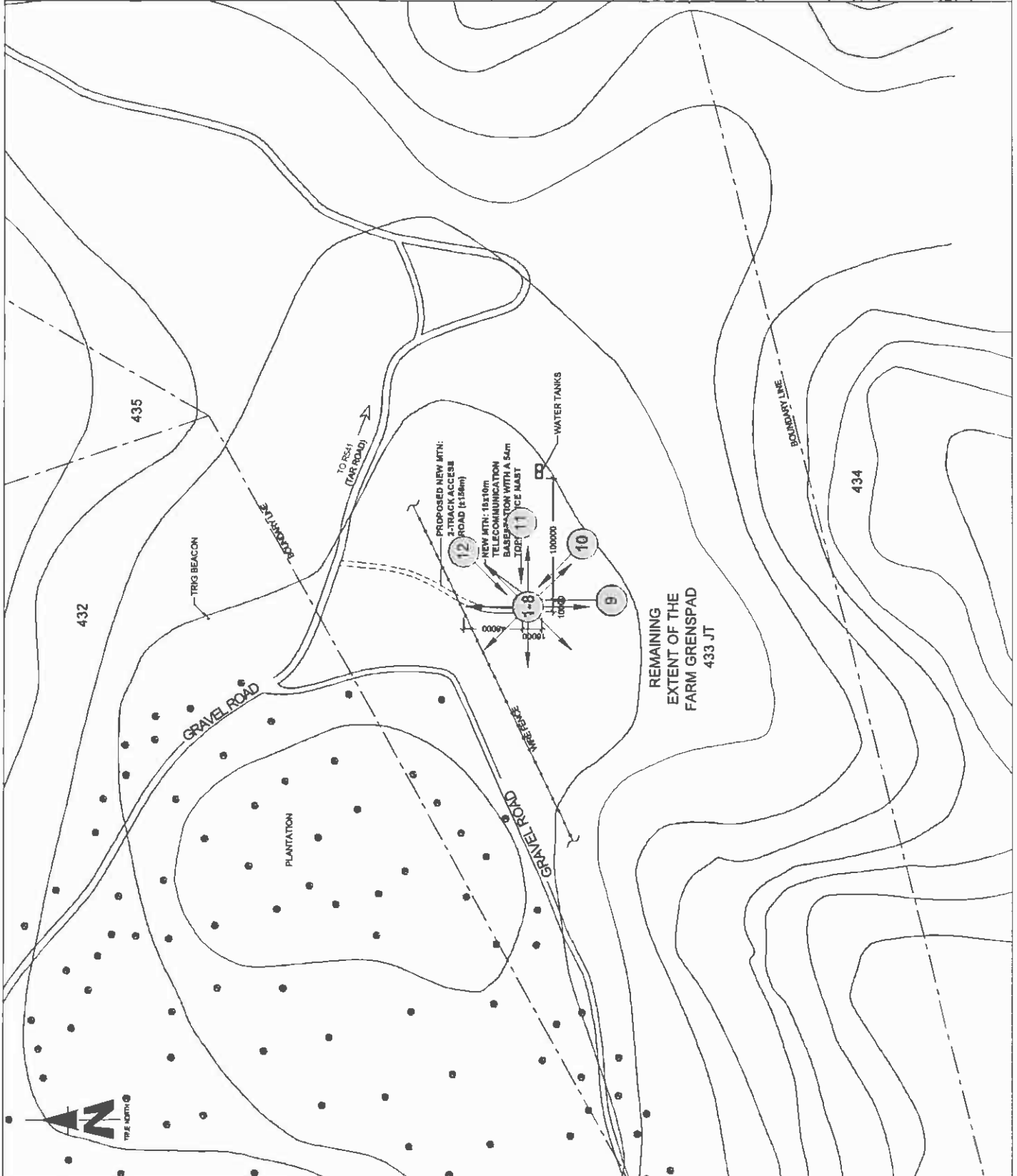
DATE: 22/11/2011

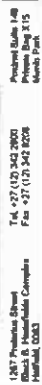
SCALE: 1:3000

REF. NO: 812T9244

SITE PHOTOGRAPHS

SHEET 6 OF 9





DIEPGESIT SAPPI

T9244
BASE STATION NUMBER

| REV | DATE | BY | DESCRIPTION |
|-----|------------|----|-------------|
| A | 22/11/2011 | MY | FIRST ISSUE |
| | | | |
| | | | |

OWNER: RUST HENDRIX JACOBS

| STRICTLY COMPANY CONFIDENTIAL | PROPERTY DESCRIPTION | REMAINING EXTENT OF THE FARM | GRENSPAD 433 JT |
|-------------------------------|----------------------|------------------------------|-----------------|
| | | | |

COORDINATES
LAT 25° 58' 30 00" S
LONG 30° 25' 30 10" E

PROJECT
NEW 10x10 TELECOMMUNICATION BASESTATION
WITH A 54m TOPO LATTICE MAST FOR MTN (PTY) LTD

**DORESS
SAPPI FORESTS
KALKLOOF ROAD
BADPLAAS
MPUMALANGA**

**INFRASTRUCTURE
PLANNING SERVICES**



414 Route Road
Stambridge
0184
Tel: +27 (17) 84 15048
Fax: +27 (17) 84 7072
info@stambridge.co.za

RFQ NO

PROJECT NUMBER

116258

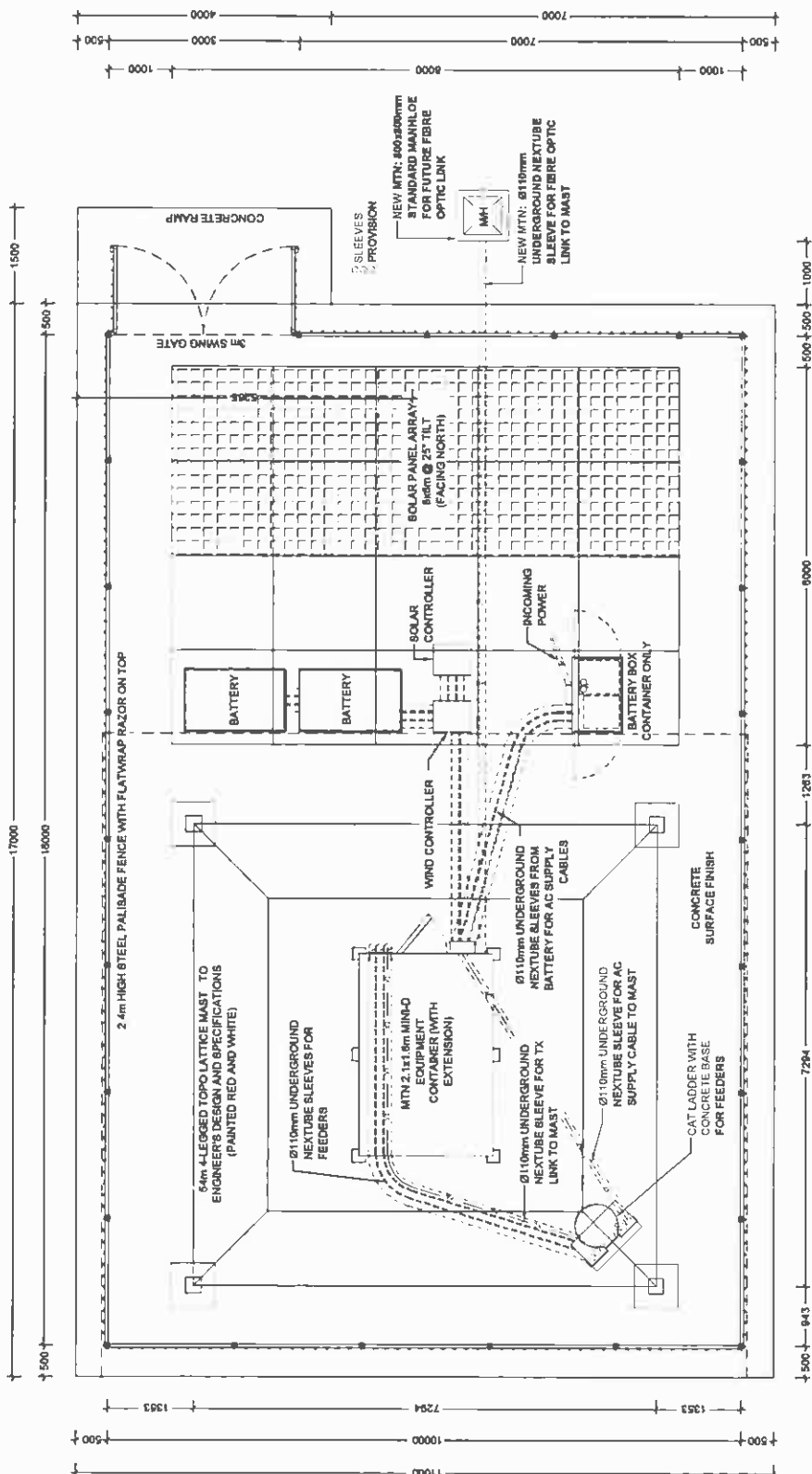
DRAWINGS MUST NOT BE SCALED. ONLY DIMURED DIMENSIONS TO BE
 USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT
 OF WORK.

ALL WORK TO BE PERFORMED ACCORDING TO MTN ITS SITE INFRASTRUCTURE SPECIFICATION 30/1/02/01

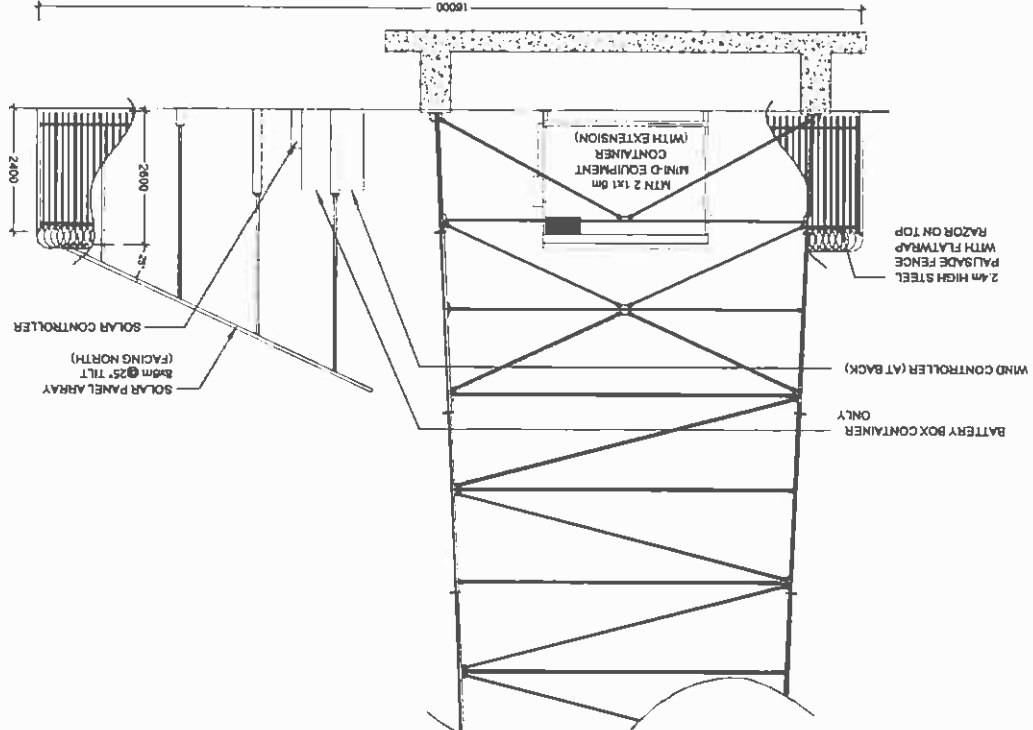
ISSUE 1 REVISED NOVEMBER 2007

| | |
|---------------------|-----------------|
| RAWNF MELISSA YOUNG | DATE 22/11/2011 |
|---------------------|-----------------|

SITE DETAIL
SHEET 7 OF 9



| SECTOR | AZIMUTH | ANTENNA | HEIGHT - BOTTOM (m) | MECH TILT | ELEC TILT | FEEDER SIZE | FEEDER LENGTH (m) |
|--------|---------|-----------|------------------------|--------------|--------------|----------------|----------------------|
| 1 | 30° | K90010123 | 51.4 | | | 7/8" | ± 56 |
| 2 | 150° | K90010123 | 51.4 | | | 7/8" | ± 56 |
| 3 | 270° | K90010123 | 51.4 | | | 7/8" | ± 56 |



BASE STATION NUMBER
T9244

| REV | DATE | BY | DESCRIPTION |
|-----|------------|----|-------------|
| A | 22/11/2011 | MY | FIRST ISSUE |

NOTES
OWNER: JUST HENRIK JACOBSEN

STRICTLY COMPANY CONFIDENTIAL
PROPERTY DESCRIPTION
REMAINING EXTENT OF THE FARM
GRENSPAD 433 JT

COORDINATES
LAT 25° 54' 30 00" S
LONG 30° 25' 30 10" E

PROJECT
NEW 16x10 TELECOMMUNICATION BASE STATION
WITH A 54m TOPO LATTICE MAST FOR MTN (PTY) LTD

ADDRESS
SAPPI FORESTS
KALKLOOF ROAD
BADPLAAS.
MPUMALANGA

**INFRASTRUCTURE
PLANNING SERVICES**



414 Runic Road
Silverdale
0164
Tel. +27 (12) 804 1504/8
Fax +27 (12) 804 7072
info@GardynLyn.co.za

RFQ NO 148732

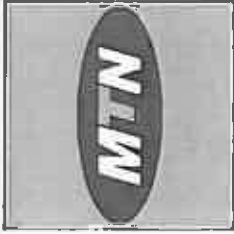
PROJECT NUMBER
B5R011

DRAWINGS MUST NOT BE SCALED. ONLY FIGURED DIMENSIONS TO BE USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT OF WORK.

ALL V

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| DRAWN MELISSA YOUNG | DATE 22/11/2011 |
| SCALE 1 100 | REF NO 012T924 |

EAST ELEVATION
SHEET 8 OF 9



1287 Pretorius Street
Block B, Houtbos Computer
Pretoria 0003
Tel: +27 (12) 342 2000
Fax: +27 (12) 342 2008
Pretorius 149
Private Bag 213
Muckleneuk

SITE NAME

DIEPGESIT SAPPI

BASE STATION NUMBER

T9244

| REV | DATE | BY | DESCRIPTION |
|-----|------------|-----|-------------|
| A | 22/11/2011 | IKY | FIRST ISSUE |

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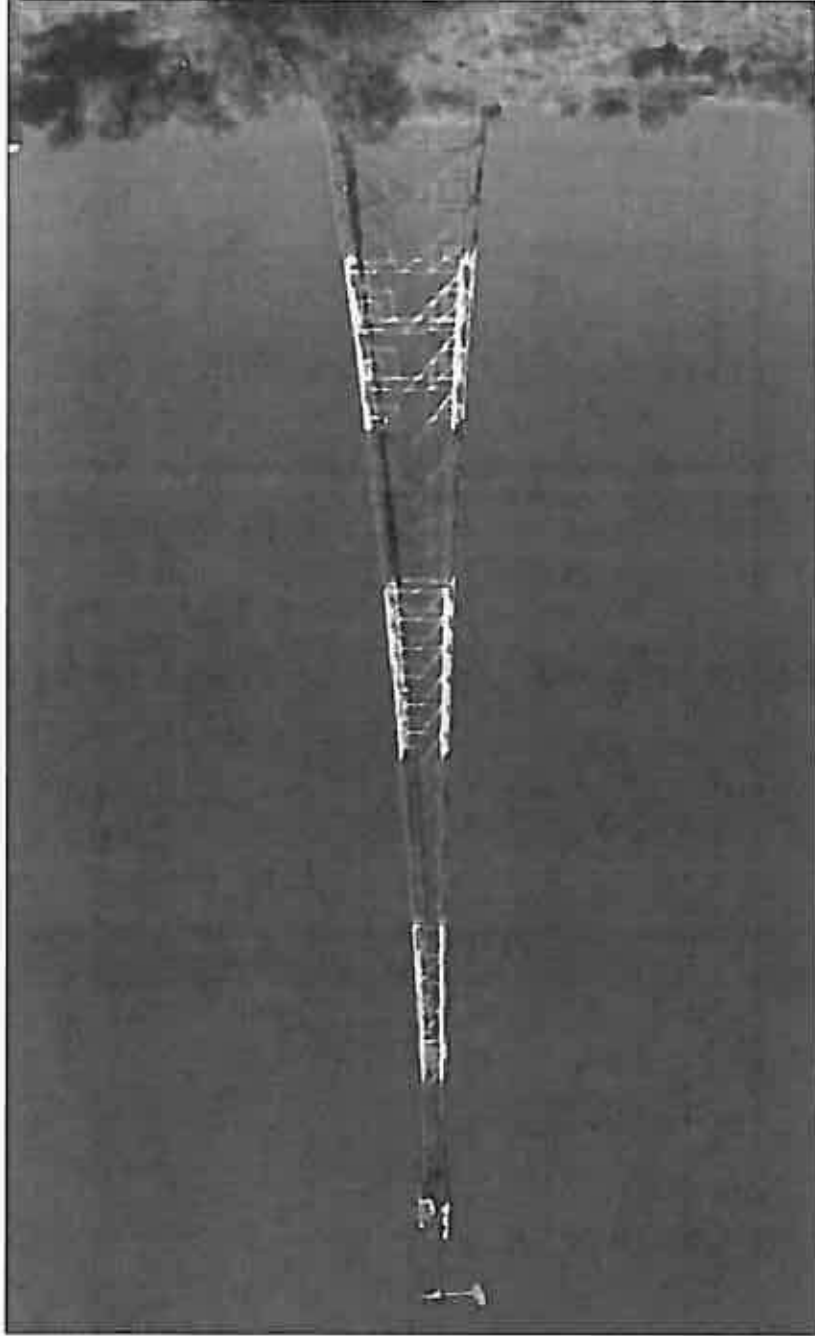
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TYPICAL 4-LEGGED TOPO LATTICE MAST
(PAINTED RED & WHITE)

STRICTLY COMPANY CONFIDENTIAL
PROPERTY DESCRIPTION
REMAINING EXTENT OF THE FARM
GRENSPAD 433 JT

COORDINATES
LAT 23° 56' 30.90" S
LONG 30° 25' 30.10" E

PROJECT
NEW 18x10 TELECOMMUNICATION BASESTATION
WITH A 54m TOPO LATTICE MAST FOR MTN (PTY) LTD

ADDRESS
SAPPI FORESTS
KALKLOOF ROAD
BADPLAAS
MPUMALANGA

INFRASTRUCTURE
PLANNING SERVICES



414 Peka Road
Peka
1016
Tel: +27 (12) 342 19048
Fax: +27 (12) 342 19072
info@ipsafrica.co.za

P.O. Box 22017
Pretoria
0101

REG NO

148732

PROJECT NUMBER

119658

DRAWINGS MUST NOT BE SCALED ONLY DIMENSIONS TO BE
USED DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT
OF WORK.

ALL WORK TO BE DONE IN ACCORDANCE TO MTN'S SITE
INFRASTRUCTURE SPECIFICATION R001/001
ISSUE 1 REVISION 3 NOVEMBER 2007

DRAWN MELISSA YOUNG

SCALE NTS

DATE: 22/11/2011

REF. NO. 812/T9244

FACILITY ILLUSTRATION
SHEET 9 OF 9

Our Reference:
T9244 / 17/2/3/GS-69

Your Reference:

2 February 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

Tel: (012) 804 1504 / 6
Fax: (012) 804 7072

e-mail: admin@torblousesolutions.co.za

Via Registered Mail

DEAR SIR/MADAM

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON REMAINING EXTENT OF THE FARM GRENSPAD 433 JT.

We are acting on behalf of MTN (Pty) Ltd in order to apply to the Mpumalanga Department of Economic Development, Environment and Tourism to establish a telecommunication base station on **Remaining Extent of the Farm Grenspad 433 JT**

Attached hereto find:

1. Public Participation notice
2. Site Development plan
3. Facility Illustration

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

Yours faithfully


WA VAN'T FOORT
For: Torblouse Solutions CC

PUBLIC PARTICIPATION PROCESS

REFERENCE NUMBER: 17/2/3/GS-69

Regulation 546 activity 33 (a) & (b) : (a) ii (ee) : Establishment of an enclosed telecommunication base station with a 54m mast for MTN (Pty) Ltd: **T9244 Diepgesit Sappi**

Location: **Remaining Extent of the farm Grens pad 433 JT**

Co-ordinates (WGS84 format) of the alternatives on the above property.

**Alternative 1: Latitude: 25° 56' 30.90"S Longitude: 30° 25' 30.10" E
Lattice type mast painted red and white**

Notice is hereby given of a public participation process in terms of the Environmental Impact Assessment Regulations 2010 (R543)) promulgated in terms of the National Environmental Management Act 1998 (Act No. 107 of 1998) ("NEMA").

Basic assessment procedures will be applied in accordance with regulation 543 and an application is to be submitted to the Mpumalanga Department of Economic Development, Environment and Tourism.

The applicant furthermore intends to apply to the Mpumalanga Department of Economic Development, Environment and Tourism for exemption in terms of regulation 50(1) of the Environmental Impact Assessment Regulations 2010 (R543) to assess alternatives with regard to the planned activity.

Applicant:
MTN (Pty) Ltd, P.O. Box 4559, Northcliff, 2115.

Environmental Assessment Practitioner (EAP):
Torbouse Solutions CC.
P.O. Box 32017, Totiusdal, 0134
Attention: : W Van't Foot
Telephone: (012) 804 1504/6; Facsimile: (012) 804 7072
E-mail: admin@torbouseconsultants.co.za

Further information regarding the proposed activity can be obtained from the EAP.

Any interested and affected party may, in writing, make representations on the proposed activity or request to be registered as an interested and affected party, by submitting the written representations or registration request, including their name, physical & postal addresses (including facsimile & e-mail where possible) and contact number(s) and quoting the activity reference number, to the EAP within 30 calendar days from the publication of this notice.

Notice publication date:

2 February 2012

UHLELO LOKUHLANGANYELA KOMPHAKATHI

INOMBOLO YEREFERENSI: 17/2/3/GS-69

Umyalelo womthetho 546 umsebenzi 3 (a) & (b) : (a) ii (ee) : Isakhiwo esiyisizinda sezokuxhumana ngocingo esivalekile se-MTN (Pty) Ltd ene-mast engama-54m kanye nendawo (nezindawo) yokubeka impahla: **T9244 Diepgesit Sappi**

Indawo: **Remaining Extent of the farm Grens pad 433 JT**

Ezinye izindawo zezizinda ezihlukile ezifana nalesi esingenhla (WGS84 isimo sokwakheka):

**Eshlukile 1: Ububanzi: 25° 56' 30.90"S Ubude: 30° 25' 30.10" E
Induku ye –lattice ependwe ngokubomvu nokumhlophe**

Ngalokhu kunikezwa isaziso senqubo yokubamba iqhaza komphakathi ngokuhambisana Nemithetho Yokuhlola Umthelela Wamandla Kwezenhlo (i-Environmental Impact Assessment Regulations) ka-2010 (R543) njengoba ichibiyelwe yamenyezelwa ngokuhambisana Nemithetho Wokuphatha Ezenhlo Kuzwelonke (i-National Environmental Management Act) ka-1998 (Umthetho weNombolo-107 ka-1998) njengoba uchibiyelwe (i-"NEMA"). Izinqubo eziyisisekelo zokuhlola zizosetshenziswa ngokuvumelana nemiyalelo yomthetho 543 bese kufakwa isicelo eMnyangweni Wezolimo, Ukunakekelwa kanye neZemvelo WaseMpumalanga.

Umenzi wesicelo uhlose futhi ukwenza isicelo kuMnyango Wezolimo waseMpumalanga, Ukulondolozwa Kwamagugu Nezemvelo ukuze akhululwe ngokwemibandela yomthetho 50(1) weMithetho Yokuhlola Kokuthinteka Kwemvelo ka-2010 (R543) ukuze ahlole ezinye izindlela zokughubeka nomsebenzi ohleliwe.

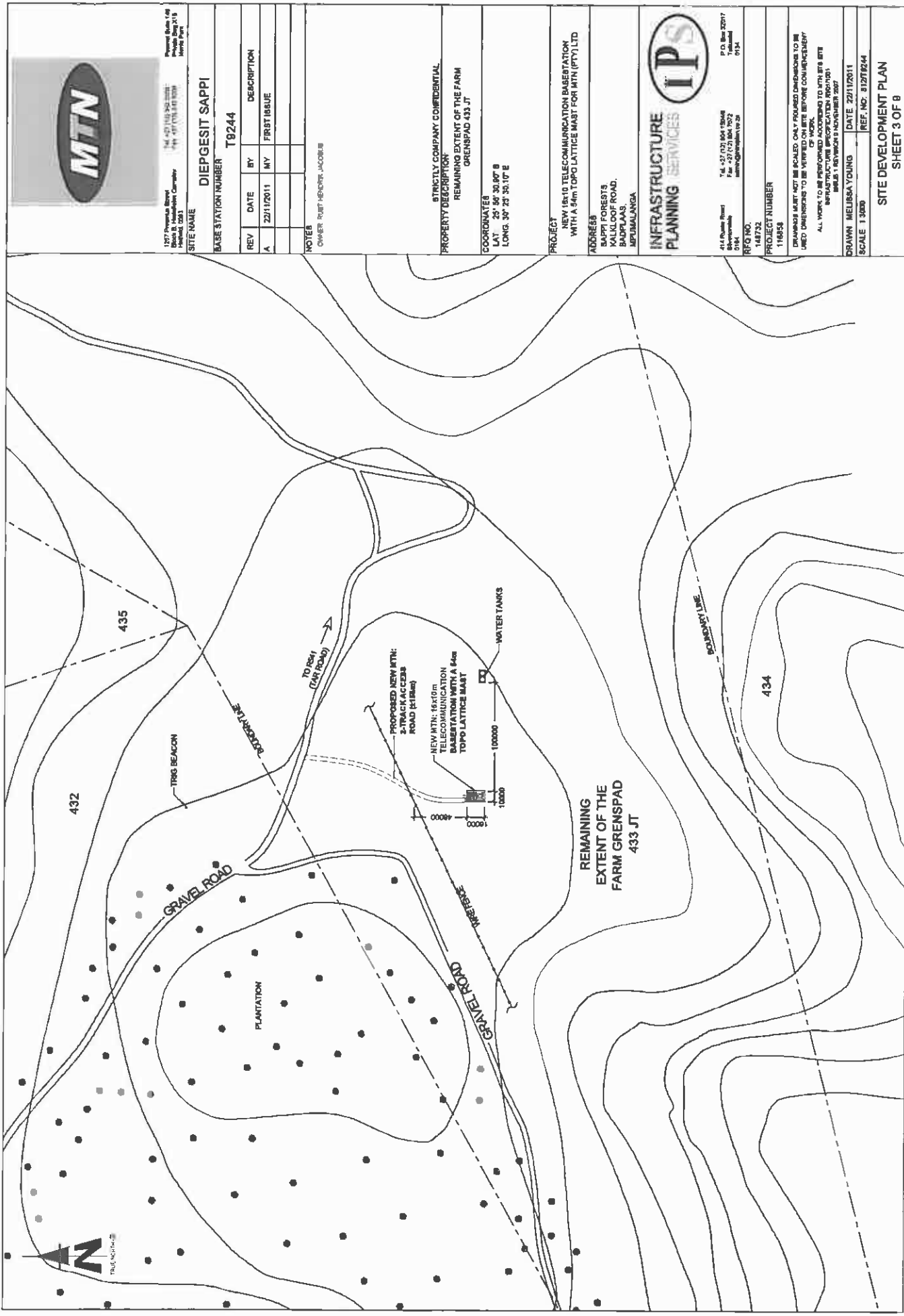
Umuntu ofaka isicelo:
MTN (Pty) Ltd, P.O. Box 4559, Northcliff, 2115.

Isisebenzi Eshlola Ezemvelo (Environmental Assessment Practitioner (EAP)):
Torbouse Solutions CC., P.O. Box 32017, Totiusdal, 0134
kuqondiswe ku- W Van't Foot

Ucingo: (012) 804 1504/6, Ifeksi: (012) 804 7072,
i-e-meyili: admin@infraplan.co.za

Olunye ulwazi maqondana nalo msebenzi ohlongozwayo lungatholakala ku-EAP. Nanoma ubani omunye othandayo nohintekayo, ngokubhala, makenze isitatimende ngomsebenzi ohlongozwayo noma isicelo sokubhaliswa njengomuntu onothando noma othintekayo, ngokuthi alethe isitatimende esibaliwe noma isicelo sokubhalisa, namagama abo, ikheli lendawo neleposi (kufakwe ifeksi ne-e-meyili uma kunokwenzeka) kanye nezinombolo zokubathinta futhi basho nenombolo yereferensi yomsebenzi, ku-EAP ezinsukwini zekhalenda ezingama-30 kusukela ekushicilelweni kwalesi saziso.

Usuku lokushicilelwa kweSaziso: **2 February 2012**



127 Avenida Street
Boksburg, Gauteng
1501
Tel: 421 1143 342 3333
Fax: 421 1143 342 3333
www.mtn.co.za

SITE NAME
DIEGESIT SAPPI

BASE STATION NUMBER
T9244

| REV | DATE | BY | DESCRIPTION |
|-----|------------|----|-------------|
| A | 22/11/2011 | MY | FIRST ISSUE |

NOTES
OWNER: TRUST HENRIE JACOBUS

STRICTLY COMPANY CONFIDENTIAL
REMAINING EXTENT OF THE FARM
GRENSPAD 433 JT

COORDINATES
LAT: 25° 50' 30.00" S
LONG: 30° 25' 35.17" E

PROJECT
NEW 16x10 TELECOMMUNICATION BASESTATION
WITH A 54m TOPO LATTICE MAST FOR MTN (PTY) LTD

ADDRESS
SAPPI FORESTS,
KALKLOOF ROAD,
BAPPLAAS,
MPUMALANGA

INFRASTRUCTURE
PLANNING SERVICES
IPS

414 Plover Road
Boksburg
1501
Tel: 421 1143 342 3333
Fax: 421 1143 342 3333
www.ipsafrica.co.za

REG NO.
148732

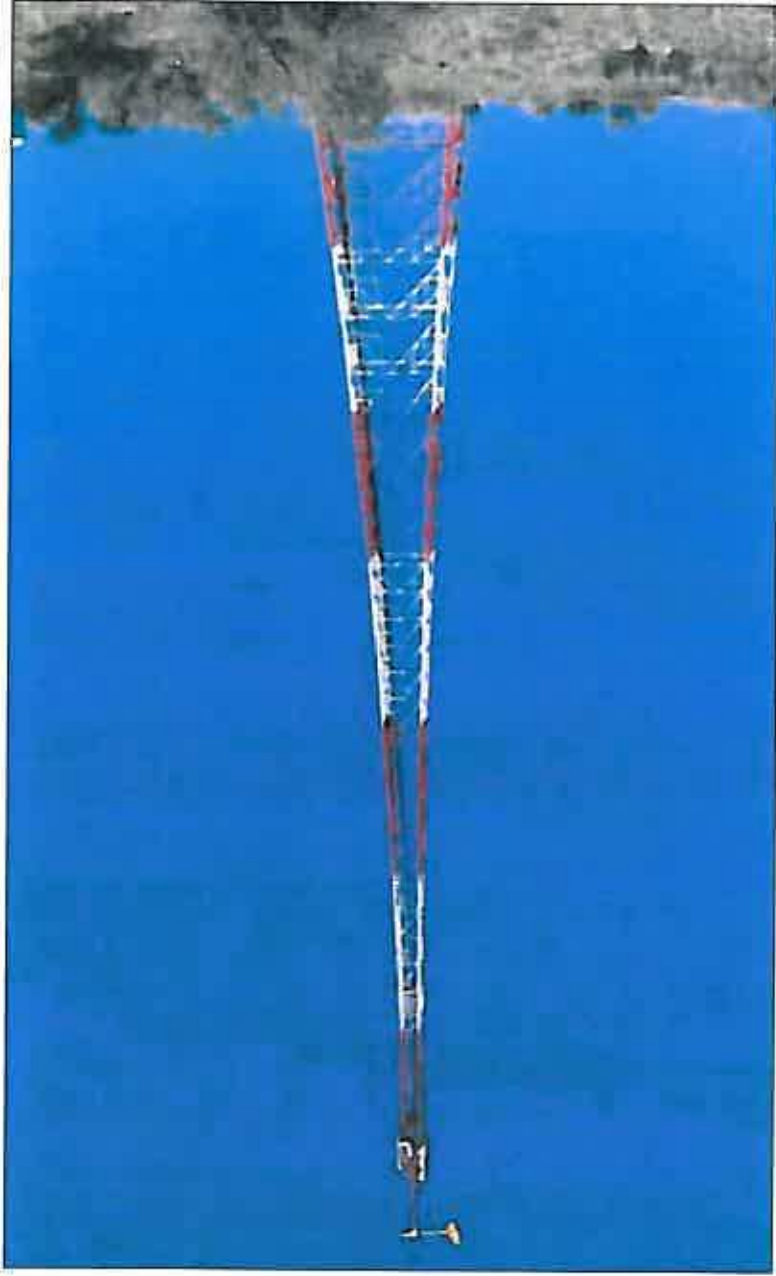
PROJECT NUMBER
118859

DRAWN: MELISSA YOUNG
DATE: 22/11/2011
SCALE: 1:3000
REF. NO.: 81276244

DATE: 22/11/2011
REF. NO.: 81276244

SITE DEVELOPMENT PLAN
SHEET 3 OF 8

DRAWINGS MUST NOT BE SCALED. ONLY DIMENSIONS TO BE
USED. DIMENSIONS TO BE VIEWED ON THE COMPUTER
SCREEN.
ALL WORKS TO BE PERFORMED ACCORDING TO MTN SITE
INFRASTRUCTURE SPECIFICATION (PROJ/193)
ISSUE 1: SERVICES NOVEMBER 2007



TYPICAL 4-LEGGED TOPO LATTICE MAST
(PAINTED RED & WHITE)



1287 Pretorius Street
Boksburg, Gauteng
South Africa
Tel: +27 (0)11 441 1000
Fax: +27 (0)11 441 1001
Email: info@mtn.co.za

SITE NAME

DIEPGESIT SAPPI

BASE STATION NUMBER

T9244

REV

DATE

BY

DESCRIPTION

A

22/11/2011

MY

FIRST ISSUE

NOTES

OWNER: RUSTENBURG JACOBS

STRICTLY COMPANY CONFIDENTIAL

PROPERTY DESCRIPTION

REMAINING EXTENT OF THE FARM

GRENSPAD 433 JT

COORDINATES

LAT 25° 56' 30.90" S

LONG 30° 25' 30.10" E

PROJECT

NEW 18m TELECOMMUNICATION BASE STATION

WITH A 5m TOPO LATTICE MAST FOR MTN (PTY) LTD

ADDRESS

SAPPI FORESTS,

KALKLOOF ROAD

BADPLAAS

MPUMALANGA

INFRASTRUCTURE

PLANNING SERVICES

IPS

414 Roodt Road

Stellenbosch

7460

Tel: +27 (0)21 864 1600

Fax: +27 (0)21 864 1601

Email: info@ips.co.za

REG NO

148732

PROJECT NUMBER

116858

DRAWN: MELISSA YOUNG

DATE: 22/11/2011

SCALE: A3

REF. NO: B12/T9244

FACILITY ILLUSTRATION

SHEET 9 OF 9

DRAGONS MUST NOT BE SCALED. ONLY REDUCED DIMENSIONS TO BE USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT OF WORK.

ALL WORK TO BE PERFORMED ACCORDING TO MTN SITE INFRASTRUCTURE SPECIFICATION 8841-101

ISSUE 1 REVISION 9 NOVEMBER 2007

P.O. Box 8017

Tel: +27 (0)11 441 1000

Fax: +27 (0)11 441 1001

Email: info@mtn.co.za

List of REGISTERED LETTERS
Lys van GEREGETREERDE BRIEWE
 (With an insurance option/met 'n versekeringsopsie)

T9244



Full tracking and tracing/Volledige volg en spoor

Name and address of sender **TORBIUSE SOLUTIONS**
 Naam en adres van afseender.....

PO BOX 32017
 TOTIUSDAL 0134
 TEL: (012) 004 1804/8

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

| No | Name and address of addressee Naam en adres van geadresseerde | Insured amount Versekerde bedrag | Insurance fee Versekeringsgeld | Postage Posgeld | Service fee Diensgeld | Affix Track and Trace customer copy Plak Volg-en-Spoor-klantafskrif |
|-----------------|--|--|-----------------------------------|---------------------------|--------------------------|--|
| 1 | Rica Ovel Trust P.O.Box 14 Badplaas 1190 | R.E. | PHY 1 | Of the Farm Diepgezet 434 | JT | REGISTERED LETTER (with a domestic insurance option) ShareCall 0800 111 502 www.sapo.co.za RD 604 457 662 ZA |
| 2 | Diepgezet Boerdery CC Private Bag X4 Hatfield 00286 | R.E. | Of the Farm Diepgezet 434 | JT | | CUSTOMER COPY 301028R REGISTERED LETTER (with a domestic insurance option) ShareCall 0800 111 502 www.sapo.co.za RD 604 457 591 ZA |
| 3 | Ms. M.G. Zeervoort P.O.Box 74793 Lynwood Ridge 0040 | Owner of the Farm Benisloop 431 | JT | | | CUSTOMER COPY 301028R REGISTERED LETTER (with a domestic insurance option) ShareCall 0800 111 502 www.sapo.co.za RD 604 457 574 ZA |
| 4 | Suppi Manufacturing (Pty) Ltd P.O. Box 31560 Broomfontein 2017 | Owner of the R.E. of the Farm Doornkroef 435 | JT | | | CUSTOMER COPY 301028R REGISTERED LETTER (with a domestic insurance option) ShareCall 0800 111 502 www.sapo.co.za RD 604 457 588 ZA |
| 5 | | | | | | |
| 6 | Lereko Prop Co (Pty) Ltd P.O.Box 31560 Broomfontein | Owner 1 of the R.E. of the Farm Doornkroef 435 | JT | | | REGISTERED LETTER (with a domestic insurance option) ShareCall 0800 111 502 www.sapo.co.za RD 604 457 565 ZA |
| 7 | Mr. J.T. Scott P.O.Box 29120 Sunnyside 0132 | Owner 3 of the R.E. of the Farm Bergstream 430 | JT | | | CUSTOMER COPY 301028R REGISTERED LETTER (with a domestic insurance option) ShareCall 0800 111 502 www.sapo.co.za RD 604 457 509 ZA |
| 8 | | | | | | |
| 9 | Mr. W.F. Scott P.O.Box 978 Pietersburg 0700 | Owner 2 and 5 of the R.E. of the Farm Bergstream 430 | JT | | | REGISTERED LETTER (with a domestic insurance option) ShareCall 0800 111 502 www.sapo.co.za RD 604 457 512 ZA |
| 10 | | | | | | CUSTOMER COPY 301028R |
| Total Totaal | | R | R | R | R | |

Number of letters posted
 Getal briewe gepos

7

Signature of client
 Handtekening van klient

[Signature]

Signature of accepting officer
 Handtekening van aanneembeampte

[Signature]

The value of the contents of these letters is as indicated and compensation is not payable for a letter received unconditionally. Compensation is limited to R100,00. No compensation is payable without documentary proof. Optional insurance of up to R2 000,00 is available and applies to domestic registered letters only.

Die waarde van die inhoud van hierdie briewe is soos aangedui en vergoeding sal nie betaal word vir 'n brief wat sonder voorbehoud ontvang word nie. Vergoeding is beperk tot R100,00. Geen vergoeding is sonder dokumentêre bewys betaalbaar nie. Opsionele versekering van tot R2 000,00 is beskikbaar en is slegs op binnelandse geregistreerde briewe van toepassing.

Date stamp



Datumstempel

List of REGISTERED LETTERS
Lys van GEREgistreerde BRIEWE T9244
(With an insurance option/met 'n versekeringsopsie)



Full tracking and tracing/Volledige volg en spoor

Name and address of sender TorBouse Solutions
 Naam en adres van afseender.....
PO BOX 32017
TOTIUSDAL 0134
TEL 0121 804 1806/8

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

| No | Name and address of addressee Naam en adres van geadresseerde | Insured amount Versekerde bedrag | Insurance fee Versekeringsgeld | Postage Posgeld | Service fee Diensgeld | Affix Track and Trace customer copy Plak Volg-en-Spoor-kliëntafskrif |
|-----------------|---|---|-----------------------------------|--------------------|--------------------------|--|
| 1 | Sappi Manufacturing (Pty) Ltd P.O. Box 31560 Broomfontein 2017 | Owner 2 of Ptn 1 of the Farm Frischgewaagd 437 JT | | | | REGISTERED LETTER (with a domestic insurance option) ShareCall 0860 111 502 www.sapo.co.za RD 604 457 530 ZA CUSTOMER COPY 301028R |
| 2 | | | | | | |
| 3 | Lereko Prop Co (Pty) Ltd P.O. Box 31560 Broomfontein | Owner 1 of Ptn 1 of the Farm Frischgewaagd 437 JT | | | | REGISTERED LETTER (with a domestic insurance option) ShareCall 0860 111 502 www.sapo.co.za RD 604 457 557 ZA CUSTOMER COPY 301028R |
| 4 | | | | | | |
| 5 | Sappi Manufacturing (Pty) Ltd P.O. Box 31560 Broomfontein 2017 | Owner 2 of the Farm Zuikerboschkop 432 JT | | | | REGISTERED LETTER (with a domestic insurance option) ShareCall 0860 111 502 www.sapo.co.za RD 604 457 526 ZA CUSTOMER COPY 301028R |
| 6 | Mr. L. Scott 27 De Villiers Street Potchefstroom 0699 | Owner 1 and 4 of the R.E. of the Farm Bergstraam 430 JT | | | | REGISTERED LETTER (with a domestic insurance option) ShareCall 0860 111 502 www.sapo.co.za RD 604 457 543 ZA CUSTOMER COPY 301028R |
| 7 | | | | | | |
| 8 | Lereko Prop Co (Pty) Ltd P.O. Box 31560 Broomfontein 2017 | Owner 1 of the Farm Zuikerboschkop 432 JT | | | | REGISTERED LETTER (with a domestic insurance option) ShareCall 0860 111 502 www.sapo.co.za RD 604 457 438 ZA CUSTOMER COPY 301028R |
| 9 | | | | | | |
| 10 | | | | | | |
| Total Totaal | | R | R | R | R | |

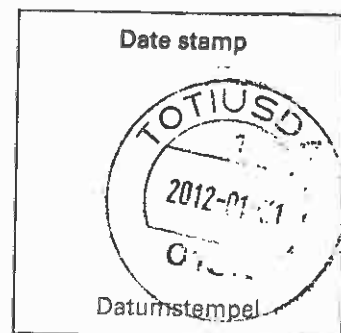
Number of letters posted 5
 Getal briewe gepos

Signature of client [Signature]
 Handtekening van kliënt.....

Signature of accepting officer [Signature]
 Handtekening van aanneembeampte.....

The value of the contents of these letters is as indicated and compensation is not payable for a letter received unconditionally. Compensation is limited to R100,00. No compensation is payable without documentary proof. Optional insurance of up to R2 000,00 is available and applies to domestic registered letters only.

Die waarde van die inhoud van hierdie briewe is soos aangedui en vergoeding sal nie betaal word vir 'n brief wat sonder voorbehoud ontvang word nie. Vergoeding is beperk tot R100,00. Geen vergoeding is sonder dokumentêre bewys betaalbaar nie. Opsionele versekering van tot R2 000,00 is beskikbaar en is slegs op binnelandse geregistreerde briewe van toepassing.



Our Reference:
T9244 / / 17/2/3/GS - 69

Your Reference:

2 February 2012

Owner of the Farm Bellshoop 431 JT
Ms M G Zeevaart
P O Box 74793
Lynnwood Ridge
0040



Reg. No. 2001/080535/23
PO Box 32017, Totiusdal, 0134
414 Rustic Road
Silvertondale, 0184
Pretoria

Tel: (012) 804 1504 / 6
Fax: (012) 804 7072
e-mail: admin@torbiousesolutions.co.za

Via Registered Mail

DEAR MADAM

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON REMAINING EXTENT OF THE FARM GRENSPAD 433 JT.

We are acting on behalf of MTN (Pty) Ltd in order to apply to the Mpumalanga Department of Economic Development, Environment and Tourism to establish a telecommunication base station on **Remaining Extent of the Farm Grenspad 433 JT**

Attached hereto find:

1. Public Participation notice
2. Site Development plan
3. Facility Illustration

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

Yours faithfully

WA VAN'T FOORT
For: Torbiouse Solutions CC

Our Reference:
T9244 / / 17/2/3/GS - 69

Your Reference:

2 February 2012

Owner 1 of the Farm Zuikerboschkop 432 JT
Lereko Prop Co (Pty) Ltd
P O Box 31560
Braamfontein
2017



Reg. No. 2001/080535/23
PO Box 32017, Totiusdal, 0134
414 Rustic Road
Silvertondale, 0184
Pretoria

Tel: (012) 804 1504 / 6
Fax: (012) 804 7072
e-mail: admin@torblousesolutions.co.za

Via Registered Mail

DEAR SIR/MADAM

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON REMAINING EXTENT OF THE FARM GRENSPAD 433 JT.

We are acting on behalf of MTN (Pty) Ltd in order to apply to the Mpumalanga Department of Economic Development, Environment and Tourism to establish a telecommunication base station on **Remaining Extent of the Farm Grenspad 433 JT**

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2. Site Development plan
3. Facility Illustration

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

Yours faithfully


WA VAN'T FOORT
For: Torblouse Solutions CC

PUBLIC PARTICIPATION PROCESS

REFERENCE NUMBER: 17/2/3/GS-69

Regulation 546 activity 33 (a) & (b) : (a) ii (ee) : Establishment of an enclosed telecommunication base station with a 54m mast for MTN (Pty) Ltd: T9244 Diepgesit Sappi

Location: Remaining Extent of the farm Grenspad 433 JT

Co-ordinates (WGS84 format) of the alternatives on the above property.

**Alternative 1: Latitude: 25° 56' 30.90"S Longitude: 30° 25' 30.10" E
Latitude type mast painted red and white**

Notice is hereby given of a public participation process in terms of the Environmental Impact Assessment Regulations 2010 (R543)) promulgated in terms of the National Environmental Management Act 1998 (Act No. 107 of 1998) ("NEMA").

Basic assessment procedures will be applied in accordance with regulation 543 and an application is to be submitted to the Mpumalanga Department of Economic Development, Environment and Tourism.

The applicant furthermore intends to apply to the Mpumalanga Department of Economic Development, Environment and Tourism for exemption in terms of regulation 50(1) of the Environmental Impact Assessment Regulations 2010 (R543) to assess alternatives with regard to the planned activity.

Applicant:
MTN (Pty) Ltd, P.O. Box 4559, Northcliff, 2115.

Environmental Assessment Practitioner (EAP):

Torbious Solutions CC.

P.O. Box 32017, Totiusdal, 0134

Attention: : W Van't Foot

Telephone: (012) 804 1504/6; Facsimile: (012) 804 7072

E-mail: admin@torbiousolutions.co.za

Further information regarding the proposed activity can be obtained from the EAP.

Any interested and affected party may, **in writing**, make representations on the proposed activity or request to be registered as an interested and affected party, by submitting the written representations or registration request, including their name, physical & postal addresses (including facsimile & e-mail where possible) and contact number(s) and quoting the activity reference number, to the EAP within 30 calendar days from the publication of this notice.

Notice publication date:

2 February 2012

UHLELO LOKUHLANGANYELA KOMPHAKATHI

INOMBOLO YEREFERENSI: 17/2/3/GS-69

Umyalelo womthetho 546 umsebenzi 3 (a) & (b) : (a) ii (ee) : Isakhiwo esiyisizinda sezokuxhumana ngocingo esivalekile se-MTN (Pty) Ltd ene-mast engama-54m kanye nendawo (nezindawo) yokubeka impahla: T9244 Diepgesit Sappi

Indawo: Remaining Extent of the farm Grenspad 433 JT

Ezinye izindawo zezizinda ezihlukile ezifana nalesi esingenhla (WGS84 isimo sokwakheka):

**Esihlukile 1: Ububanzi: 25° 56' 30.90"S Ubude: 30° 25' 30.10" E
Induku ye -latitude ependwe ngokubomvu nokumhlophe**

Ngalokhu kunikezwa isaziso senqubo yokubamba iqhaza komphakathi ngokuhambisana Nemithetho Yokuhlola Umthelela Wamandla Kwezenhlo (i-Environmental Impact Assessment Regulations) ka-2010 (R543) njengoba ichibiyelwe yamenyezelwa ngokuhambisana Nemithetho Wokuphatha Ezenhlo Kuzwelonke (i-National Environmental Management Act) ka-1998 (Umthetho weNombolo-107 ka-1998) njengoba uchibiyelwe (i-"NEMA"). Izinqubo eziyisisekelo zokuhlola zizosetshenziswa ngokuvumelana nemiyalelo yomthetho 543 bese kufakwa isicelo eMnyangweni Wezolimo, Ukunakekelwa kanye neZemvelo WaseMpumalanga.

Umenzi wesicelo uhlose futhi ukwenza isicelo kuMnyango Wezolimo waseMpumalanga, Ukulondolozwa Kwamagugu Nezemvelo ukuze akhululwe ngokwemibandela yomthetho 50(1) weMithetho Yokuhlola Kokuthinteka Kwemvelo ka-2010 (R543) ukuze ahlole ezinye izindlela zokuhubeka nomsebenzi ohleliwe.

Umuntu ofaka Isicelo:
MTN (Pty) Ltd, P.O. Box 4559, Northcliff, 2115.

Isisebenzi Esihlola Ezemvelo (Environmental Assessment Practitioner (EAP)):

Torbious Solutions CC., P.O. Box 32017, Totiusdal, 0134

kuqondiswe ku- W Van't Foot

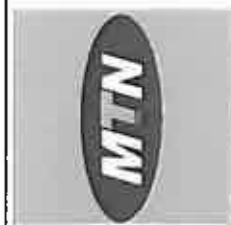
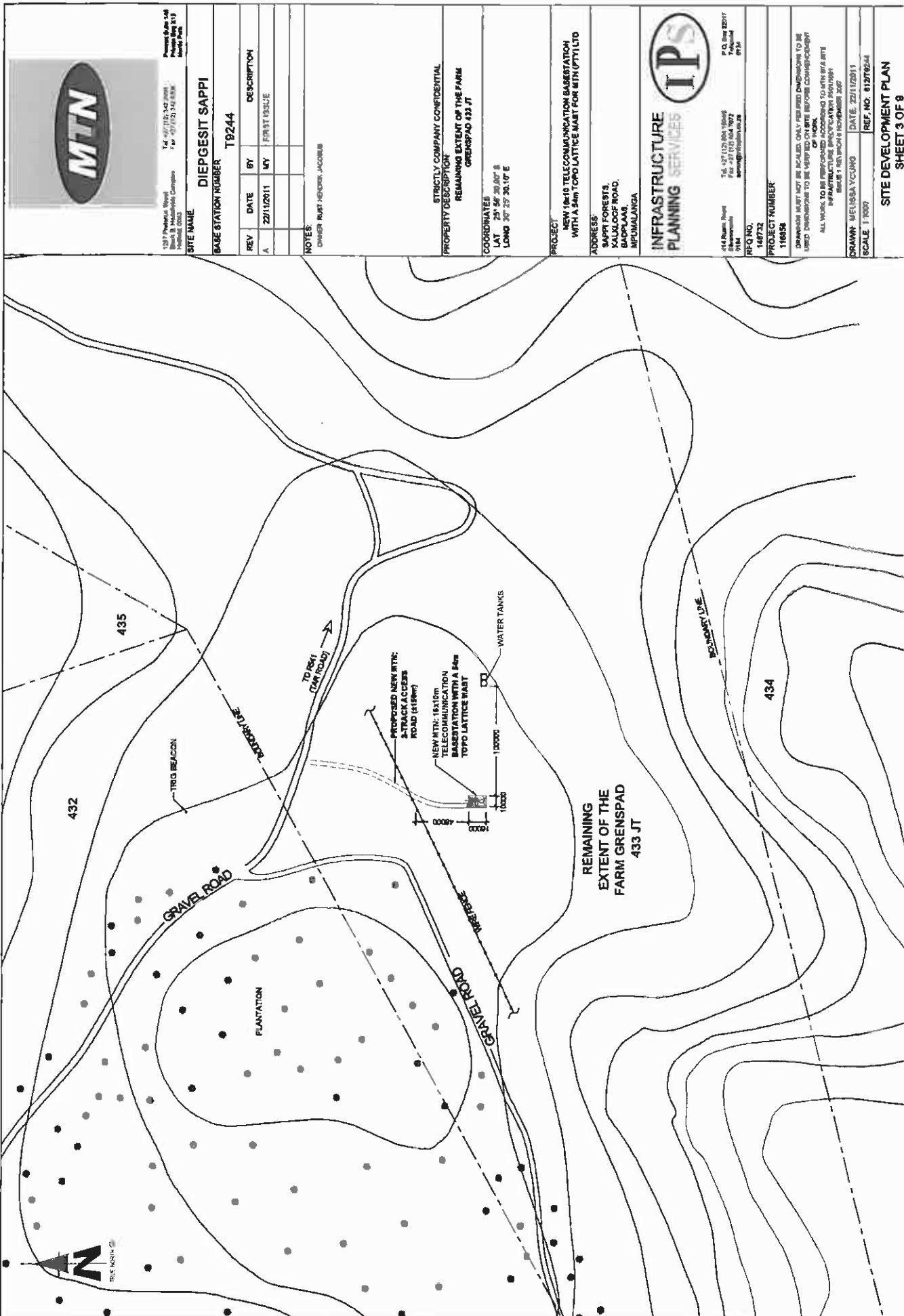
Ucingo: (012) 804 1504/6, Ifeksi: (012) 804 7072,

i-e-meyili: admin@infraplan.co.za

Olunye ulwazi maqondana nalo msebenzi ohlongozwayo lungatholakala ku-EAP.

Nanoma ubani omunye othandayo nothintekayo, **ngokubhala**, makenze isitatimende ngomsebenzi ohlongozwayo noma isicelo sokubhaliswa njengomuntu onothando noma othintekayo, ngokuthi alethe isitatimende esibhaliwe noma isicelo sokubhalisa, namagama abo, ikheli lendawo neleposi (kufakwe ifeksi ne-e-meyili uma kunokwenzeka) kanye nezinombolo zokubathinta futhi basho nenombolo yereferensi yomsebenzi, ku-EAP ezinsukwini zekhalenda ezingama-30 kusukela ekushicilelweni kwalesi saziso.

Usuku lokushicilelwa kweSaziso: 2 February 2012



1237 Phokeng Street
Pretoria 0001
Tel: +27 (0) 11 542 1000
Fax: +27 (0) 11 542 1001
www.mtn.co.za

SITE NAME DIEPGESIT SAPPI
BASE STATION NUMBER T9244

| REV | DATE | BY | DESCRIPTION |
|-----|------------|----|-------------|
| A | 22/12/2011 | MY | FINAL DRAFT |

NOTES:
OWNER: RUST-HENDRIK JACOBS

PROPERTY DESCRIPTION
STRICTLY COMPANY CONFIDENTIAL
REMAINING EXTENT OF THE FARM
GRENSPAD 433 JT

COORDINATES
LAT: 25° 56' 30.00" S
LONG: 26° 23' 20.10" E

PROJECT
NEW 15x10 TELECOMMUNICATION BASESTATION
WITH A 54m TOPO LATTICE MAST FOR MTN (PTY) LTD

ADDRESS
SAPPI FORESTS,
KALUOOP ROAD,
KALUOOP, 0114
JHANNAPUR, 0114

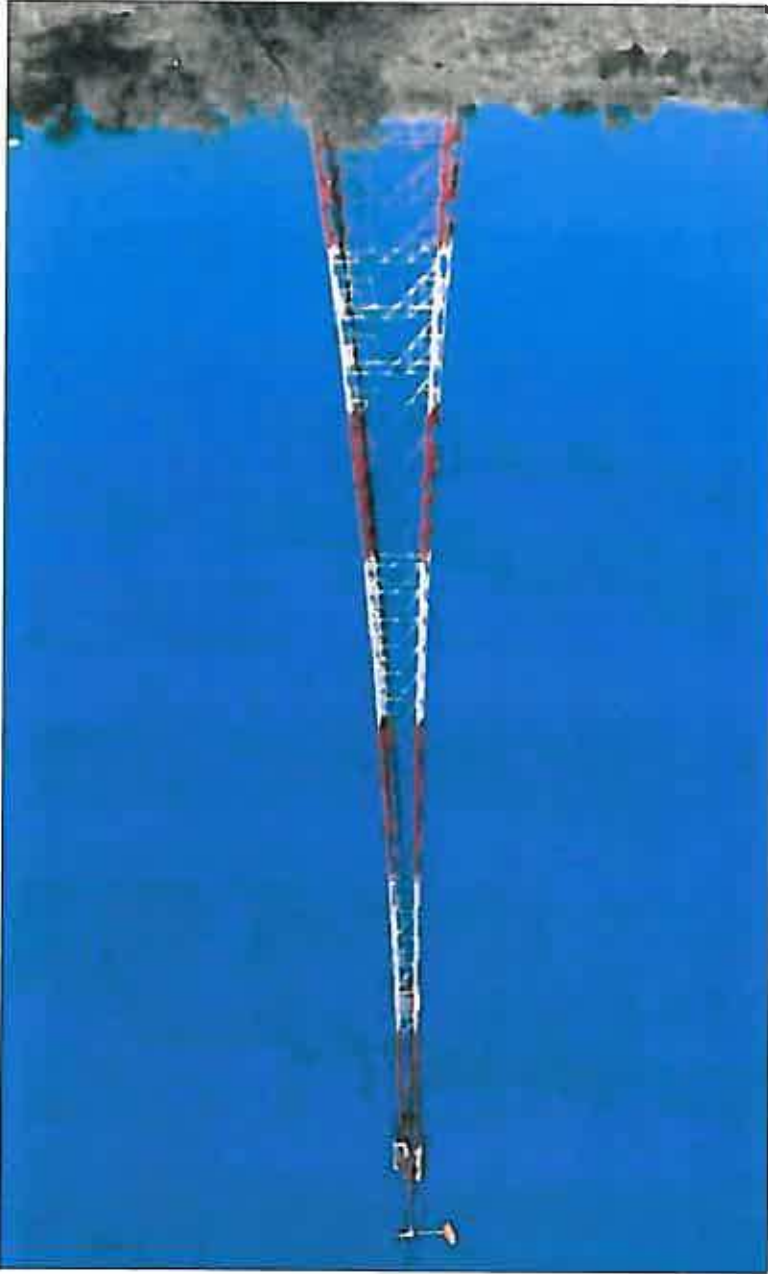
INFRASTRUCTURE PLANNING SERVICES
IPS

RFQ NO. 148732
PROJECT NUMBER 118858

DRAWN MELISSA YOUNG
SCALE 1:1000
DATE 22/12/2011
REF. NO. 61276244

SITE DEVELOPMENT PLAN
SHEET 3 OF 8

DRAWINGS MUST NOT BE REPRODUCED OR COPIED WITHOUT THE WRITTEN PERMISSION OF THE DRAWING OFFICE. ALL WORKS TO BE PERFORMED ACCORDING TO THE IFA 1978 INFRASTRUCTURE INSPECTION REPORT. THIS IS A PRELIMINARY DRAWING.



TYPICAL 4-LEGGED TOPO LATTICE MAST
(PAINTED RED & WHITE)



12345 Pretoria Street
Pretoria, 0001
Tel: 011 123 456 789
Fax: 011 123 456 789
Email: info@mtn.co.za

SITE NAME

DIEPGESIT SAPPI

BASE STATION NUMBER

T9244

| REV | DATE | BY | DESCRIPTION |
|-----|------------|----|-------------|
| A | 22/11/2011 | MY | FIRST ISSUE |

NOTES

OWNER: MUTHUENDU JACOBUS

STRICTLY COMPANY CONFIDENTIAL

PROPERTY DESCRIPTION

REMAINING EXTENT OF THE FARM

GRENSPAD 433 JT

COORDINATES

LAT: 25° 59' 30.807" S

LONG: 30° 25' 30.107" E

PROJECT

NEW 19x10 TELECOMMUNICATION BASESTATION

WITH A 34m TOPO LATTICE MAST FOR MTN (PTY) LTD

ADDRESS

SAPPI FORESTS,

WALLACE ROAD,

BAKOPEN, 0151

MPUMALANGA



44 Bona Road

Tel: +27 (0) 84 000 0000

Fax: +27 (0) 84 000 0000

Email: info@ips.co.za

Website: www.ips.co.za

P.O. Box 20417

1600

2014

RFQ NO

148732

PROJECT NUMBER

115555

REMARKS

REMARKS MUST NOT BE USED. ONLY REQUIRED INFORMATION TO BE

USED. REMARKS TO BE PROVIDED BY THE CLIENT FOR THE COMPANY'S

USE.

ALL WORK TO BE PERFORMED ACCORDING TO MTN SITE SITE

REQUIREMENTS. ALL WORK MUST BE COMPLETED BY 15/11/2011

DATE: 22/11/2011

SCALE: 1:100

DRAWN: MELISSA YOUNG

REF: NO 41279244

DATE: 22/11/2011

SCALE: 1:100

DRAWN: MELISSA YOUNG

FACILITY ILLUSTRATION

SHEET 9 OF 9

Our Reference:
T9244 / / 17/2/3/GS - 69

Your Reference:

2 February 2012

Owner 2 of the Farm Zuikerboschkop 432 JT
Sappi Manufacturing (Pty) Ltd
P O Box 31560
Braamfontein
2017



Reg. No. 2001/080535/23
PO Box 32017, Totiusdal, 0134
414 Rustic Road
Silvertondale, 0184
Pretoria

Tel: (012) 804 1504 / 6
Fax: (012) 804 7072
e-mail: admin@torbiousesolutions.co.za

Via Registered Mail

DEAR SIR/MADAM

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON REMAINING EXTENT OF THE FARM GRENSPAD 433 JT.

We are acting on behalf of MTN (Pty) Ltd in order to apply to the Mpumalanga Department of Economic Development, Environment and Tourism to establish a telecommunication base station on **Remaining Extent of the Farm Grenspad 433 JT**

Attached hereto find:

1. Public Participation notice
2. Site Development plan
3. Facility Illustration

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

Yours faithfully

WA VAN'T FOORT
For: Torbiouse Solutions CC

Our Reference:
T9244 / / 17/2/3/GS - 69

Your Reference:

2 February 2012

Owner Portion 2 of the Farm Gegund 440 JT
St Louis Trust



Reg. No. 2001/080535/23
PO Box 32017, Totiusdal, 0134
414 Rustic Road
Silvertondale, 0184
Pretoria

Tel: (012) 804 1504 / 6
Fax: (012) 804 7072
e-mail: admin@torbiousolutions.co.za

E-Mail : vos@vsz.co.za

DEAR SIR/MADAM

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON REMAINING EXTENT OF THE FARM GRENSPAD 433 JT.

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3. Facility Illustration

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Yours faithfully

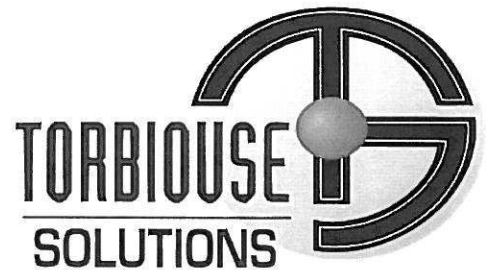
WA VAN'T FOORT
For: Torbious Solutions CC

Our Reference:
T9244 / / 17/2/3/GS - 69

Your Reference:

2 February 2012

Owner Portion 3 of the Farm Frischgewaagd 437 JT
Ndwandwa Community Trust



Reg. No. 2001/080535/23
PO Box 32017, Totiusdal, 0134
414 Rustic Road
Silvertondale, 0184
Pretoria

Tel: (012) 804 1504 / 6
Fax: (012) 804 7072

e-mail: admin@torbiousesolutions.co.za

E- Mail : ndwandwa04@gmail.com

DEAR SIR/MADAM

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON REMAINING EXTENT OF THE FARM GRENSPAD 433 JT.

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2. Site Development plan
3. Facility Illustration

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Yours faithfully

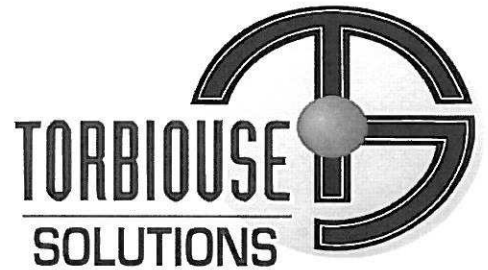

WA VAN'T FOORT
For: Torbiouse Solutions CC

Our Reference:
T9244 / / 17/2/3/GS - 69

Your Reference:

2 February 2012

**Owner 3 of the Remaining Extent of the Farm
Bergstroom 430 JT**
Mr J T Scott
P O Box 29120
Sunnyside
0132



Reg. No. 2001/080535/23
PO Box 32017, Totiusdal, 0134
414 Rustic Road
Silvertondale, 0184
Pretoria

Tel: (012) 804 1504 / 6
Fax: (012) 804 7072
e-mail: admin@torbiousesolutions.co.za

Via Registered Mail

DEAR SIR

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON REMAINING EXTENT OF THE FARM GRENSPAD 433 JT.

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Yours faithfully

WA VAN'T FOORT
For: Torbiouse Solutions CC

Our Reference:
T9244 / / 17/2/3/GS - 69

Your Reference:

2 February 2012

Owner Remaining Extent of the Farm
Diepgezet 434 JT
Diepgezet Boerdery CC
Private Bag x4
Hatfield
0028t



Reg. No. 2001/080535/23
PO Box 32017, Totiusdal, 0134
414 Rustic Road
Silvertondale, 0184
Pretoria

Tel: (012) 804 1504 / 6
Fax: (012) 804 7072
e-mail: admin@torbiousesolutions.co.za

Via Registered Mail

DEAR SIR/MADAM

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON REMAINING EXTENT OF THE FARM GRENSPAD 433 JT.

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Yours faithfully

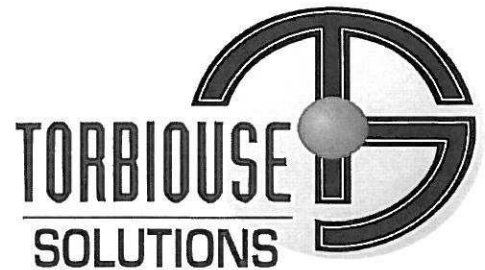
WA VAN'T FOORT
For: Torbiouse Solutions CC

Our Reference:
T9244 / / 17/2/3/GS - 69

Your Reference:

2 February 2012

**Owner 1 of the Remaining Extent of the Farm
Doornkloof 435 JT**
Lereko Prop Co (Pty) Ltd
P O Box 31560
Braamfontein
2017



Reg. No. 2001/080535/23
PO Box 32017, Totiusdal, 0134
414 Rustic Road
Silvertondale, 0184
Pretoria

Tel: (012) 804 1504 / 6
Fax: (012) 804 7072
e-mail: admin@torbiousesolutions.co.za

Via Registered Mail

DEAR SIR/MADAM

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON REMAINING EXTENT OF THE FARM GRENSPAD 433 JT.

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Yours faithfully

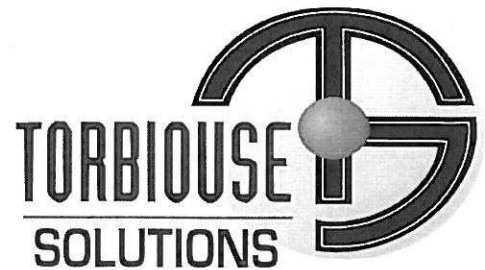
WA VAN'T FOORT
For: Torbiouse Solutions CC

Our Reference:
T9244 / / 17/2/3/GS - 69

Your Reference:

2 February 2012

**Owner 2 of the Remaining Extent of the Farm
Doornkloof 435 JT**
Sappi Manufacturing (Pty) Ltd
P O Box 31560
Braamfontein
2017



Reg. No. 2001/080535/23
PO Box 32017, Totiusdal, 0134
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Via Registered Mail

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INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON REMAINING EXTENT OF THE FARM GRENSPAD 433 JT.

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Yours faithfully

WA VAN'T FOORT
For: Torbiouse Solutions CC

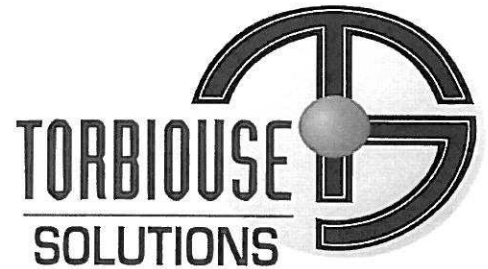
Our Reference:
T9244 / / 17/2/3/GS - 69

Your Reference:

2 February 2012

**Owner Remaining Extent Portion 1 of the
Farm Diepgeest 434 JT**

Ria Davel Trust
P O Box 14
Badplaas
1190



Reg. No. 2001/080535/23
PO Box 32017, Totiusdal, 0134
414 Rustic Road
Silvertondale, 0184
Pretoria

Tel: (012) 804 1504 / 6
Fax: (012) 804 7072
e-mail: admin@torbiousesolutions.co.za

Via Registered Mail

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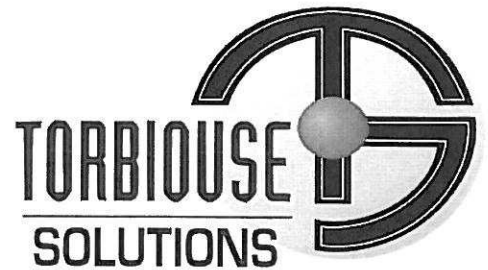
WA VAN'T FOORT
For: Torbiouse Solutions CC

Our Reference:
T9244 / / 17/2/3/GS - 69

Your Reference:

2 February 2012

Owner 1 of Portion 1 of the farm
Frischgewaagd 437 JT
Lereko Prop Co (Pty) Ltd
P O Box 31560
Braamfontein
2017



Reg. No. 2001/080535/23
PO Box 32017, Totiusdal, 0134
414 Rustic Road
Silvertondale, 0184
Pretoria

Tel: (012) 804 1504 / 6
Fax: (012) 804 7072
e-mail: admin@torbiousesolutions.co.za

Via Registered Mail

DEAR SIR/MADAM

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON REMAINING EXTENT OF THE FARM GRENSPAD 433 JT.

We are acting on behalf of MTN (Pty) Ltd in order to apply to the Mpumalanga Department of Economic Development, Environment and Tourism to establish a telecommunication base station on **Remaining Extent of the Farm Grenspad 433 JT**

Attached hereto find:

1. Public Participation notice
2. Site Development plan
3. Facility Illustration

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

Yours faithfully

WA VAN'T FOORT
For: Torbiouse Solutions CC

Our Reference:
T9244 / / 17/2/3/GS - 69

Your Reference:

2 February 2012

**Owner 2 of Portion 1 of the farm
Frischgewaagd 437 JT
Sappi Manufacturing (Pty) Ltd
P O Box 31560
Braamfontein
2017**



**Reg. No. 2001/080535/23
PO Box 32017, Totiusdal, 0134
414 Rustic Road
Silvertondale, 0184
Pretoria**

**Tel: (012) 804 1504 / 6
Fax: (012) 804 7072
e-mail: admin@torbiousesolutions.co.za**

Via Registered Mail

DEAR SIR/MADAM

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON REMAINING EXTENT OF THE FARM GRENSPAD 433 JT.

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2. Site Development plan
3. Facility Illustration

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

Yours faithfully


WA VAN'T FOORT
For: Torbiouse Solutions CC

Our Reference:
T9244 / / 17/2/3/GS - 69

Your Reference:

2 February 2012

**Owner 1 and 4 of the Remaining Extent of the Farm
Bergstroom 430 JT**
Mr L Scott
27 De Villiers Street
Polokwane
0699



Reg. No. 2001/080535/23
PO Box 32017, Totiusdal, 0134
414 Rustic Road
Silvertondale, 0184
Pretoria

Tel: (012) 804 1504 / 6
Fax: (012) 804 7072
e-mail: admin@torbiousesolutions.co.za

Via Registered Mail

DEAR SIR

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON REMAINING EXTENT OF THE FARM GRENSPAD 433 JT.

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Attached hereto find:

1. Public Participation notice
2. Site Development plan
3. Facility Illustration

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

Yours faithfully


WA VAN'T FOORT
For: Torbiouse Solutions CC

Our Reference:
T9244 / / 17/2/3/GS - 69

Your Reference:

2 February 2012

**Owner 2 and 5 of the Remaining Extent of the Farm
Bergstroom 430 JT**
Mr W F Scott
P O Box 978
Pietersburg
0700



Reg. No. 2001/080535/23
PO Box 32017, Totiusdal, 0134
414 Rustic Road
Silvertondale, 0184
Pretoria

Tel: (012) 804 1504 / 6
Fax: (012) 804 7072
e-mail: admin@torbiousesolutions.co.za

Via Registered Mail

DEAR SIR

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON REMAINING EXTENT OF THE FARM GRENSPAD 433 JT.

We are acting on behalf of MTN (Pty) Ltd in order to apply to the Mpumalanga Department of Economic Development, Environment and Tourism to establish a telecommunication base station on **Remaining Extent of the Farm Grenspad 433 JT**

Attached hereto find:

1. Public Participation notice
2. Site Development plan
3. Facility Illustration

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

Yours faithfully


WA VAN'T FOORT
For: Torbiouse Solutions CC

Wilbert Van't Foort

From: Beverley Schöpf
Sent: 06 February 2012 11:11 AM
To: 'vos@vsz.co.za'
Subject: 120206 Telecommunication Infrastructure - T9244 Diepgesit Sappi
Attachments: image001.jpg; T9244 Owner Ptn 2 of the Farm Gegund 440 JT..pdf; T9244 Public Notice English & Isizulu(Exemption).pdf; DWG FI_RA-T9244.pdf; DWG SDP_RA-T9244.pdf

Geagte Mnr Vos

Hiermee aangeheg vind dokumentasie vir u aandag en kommentaar.

Indien enige verdere navrae in hierdie verband, skakel gerus.

Groete

Beverley Schopf



Torbiouse Solutions CC
414 Rustic Road, Silvertondale, 0184
PO Box 32017, Totiusdal, 0134
e-mail: admin@torbiousesolutions.co.za

Reg. No. 2001/0080535/23
Tel. (012) 804 1504/6
Fax (012) 804 7072

Wilbert Van't Foort

From: Mail Delivery System [MAILER-DAEMON@smtp6.wa.co.za]
Sent: 06 February 2012 11:16 AM
To: Beverley Schöpf
Subject: Successful Mail Delivery Report
Attachments: Delivery report; Message Headers

This is the mail system at host smtp6.wa.co.za.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<vos@vsz.co.za>: delivery via spe.spambox.co.za[196.38.40.211]:25: 250 OK
id=1RuKbr-0005a7-8m

Wilbert Van't Foort

From: Mnr Vos (Estelle) [vos@vsz.co.za]
Sent: 06 February 2012 11:31 AM
To: Beverley Schöpf
Subject: Read: 120206 Telecommunication Infrastructure - T9244 Diepgesit Sappi
Attachments: ATT38463.txt

This is a receipt for the mail you sent to <vos@vsz.co.za> at 2/6/2012 11:11:10 AM

This receipt verifies that the message has been displayed on the recipient's computer at 2/6/2012 11:15:55 AM

Wilbert Van't Foort

From: Mail Delivery System [MAILER-DAEMON@smtp3.wa.co.za]
Sent: 06 February 2012 11:16 AM
To: Beverley Schöpf
Subject: Successful Mail Delivery Report
Attachments: Delivery report; Message Headers

This is the mail system at host smtp3.wa.co.za.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<ndwandwa04@gmail.com>: delivery via
gmail-smtp-in.l.google.com[173.194.66.26]:25: 250 2.0.0 OK 1328518833
u51si9021327wec.40

G1(c) – SACAA Approval

SOUTH AFRICAN



**CIVIL AVIATION
AUTHORITY**

Physical Address:
Mkhaya Lokundlza
Treur Close
Waterfall Park
Bekker Street
Midrand

Postal Address:
Private Bag X 73
Halfway House
1685

Telephone Number:
+27 11 545 1000

Fax Number:
+27 11 545 1465

E-mail address:
mail@caa.co.za

Website address:
www.caa.co.za

Enquiry's: Lizell Ströh
strohl@caa.co.za
Tel. 011 545 1232
Fax. 011 545 1451

23 April 2007

Turbious Solutions
P O Box 32017
Totiosdal
0134

To: Mr Wim Anholts

Communication structure,

Day and night markings apply to all structures exceeding 45m above the ground in South Africa by default (refer SA-CAR Part 139.01.33),

Paint markings (Day markings) shall be in compliance with ICAO Annex 14 chapter 6 and shall consist of seven painted bands, each one seventh of the length of the structure, and shall consist of bands of International Orange (or Post Office red) alternated by brilliant white, starting and ending in orange/red, to a maximum length of 30 meters per band (i.e. a 210m mast). Thereafter it becomes 9 bands, each one ninth of the length of the mast up to 270m, 11 bands up to 330m etc.

Lights (Night marking) to be used shall consist of a pair of steady burning approved red aeronautical obstruction lights of at least 32 candela each at the highest practical point of the structure. This may be substituted by a medium intensity Type B flashing red light (20 – 60 flashes per minute), of 2000 candela ($\pm 25\%$) intensity in accordance with ICAO Annex 14 table 6-3.

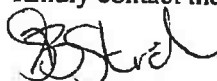
Intermediate lights shall be placed at a position midway between the top of the structure and the ground and shall consist of at least three steady burning red aeronautical obstruction lights of at least 32 candela each, on the same vertical plane and spaced not more than 120 degree horizontally. At least two lights shall be visible through any azimuth of 360 degree and no light shall be spaced more than 30m apart, on the horizontal plane of any structure. Multiple lights may be required to satisfy this requirement. The vertical spacing of lights shall be as far as practical be evenly spaced and shall not exceed 45m between vertical levels.

Board Members: Mr D Moorosi (Chairman), Mr J Morrison, Ms M Magasa, Ms B Mohlala, Maj Gen T Ntsibande, Mr Z Myeza (CEO)

Note-.

Structures of 45 to 90m heights shall have dual lights on top and not less than a set of three lights at the intermediate level.

Kindly contact the writer if more information is required.



Lizell Stroh

AERODROME SAFETY OVERSIGHT

G1(d) – Proof of Newspaper Advertisement

Kennisgewings / Notices



SEA PIKE ERMELO DIEPSEE HENGELKLUB

"Skipper"-lisensies

Seapike Ermelo bied die naweek van **10-12 Feb 2012** 'n kursus aan vir diégene wat nog nie in besit is van 'n Skippers lisensie nie by die klubhuis (onder Upstairs by Petdam)

| | |
|---------------------------|--------------|
| Koste vir varswater | R1850 |
| Diepsee teorie | R2200 |
| Diepsee prakties | R2300 |

Moet eie verblyf reël vir prakties

Datums vir prakties word met die teorie-naweek bekend gemaak.

Vir meer inligting skakel Yolande 082 335 9331

6x2 / 3.2.12 / 12

Peuters plant groente



Riaan, Trent, Bernie, Pieter, Cherise, Ruben en Luan was van die kleuters van Wonderwerkies wat help plan het aan dié dagsorgsentrum se nuwe groentetuin. Volgens juffrouens René en Nicolene leer die kleintjies meer oor hoe om selfversorgend te wees en sal die groente tydens 'n mark aan hul ouers verkoop word.

2.3.12 / 8x2 / 4

Supa Quick Samuel



Samuel Nkabinde, a tyre fitter who has been employed at Supa Quick Ermelo for the past two years and was adjudged star employee for the December/January holiday season, has been rewarded with a cellphone as prize. Employees are judged according to various criteria, such as friendliness, eagerness to help, neatness and punctuality. All employees put their best foot forward at all times and ensure top quality customer satisfaction at Supa Quick Ermelo.

2.3.12 / 10x2 / 12

Notices

PUBLIC PARTICIPATION PROCESS

REFERENCE NUMBER: 17/2/3/GS-69

Regulation 546 activity 3 (a) & (b) : (a) ii (ee) : Establishment of an enclosed telecommunication base station with a **54m** mast for MTN (Pty) Ltd: **T9246 Vaalbankspruitdrift**

Location: **Portion 4 of the farm Vaalbankspruitdrift 334 IT**

Co-ordinates (WGS84 format) of the alternatives on the above property. **Alternative1: Latitude: 26°53'06.20"S Longitude: 30°01'40.50"E**

Lattice type mast painted red and white

Notice is hereby given of a public participation process in terms of the Environmental Impact Assessment Regulations 2010 (R543) as amended promulgated in terms of the National Environmental Management Act 1998 (Act No. 107 of 1998) ("NEMA").

Basic assessment procedures will be applied in accordance with regulation 543 and an application was submitted to the Mpumalanga Department of Economic Development, Environment and Tourism.

The applicant furthermore intends to apply to the Mpumalanga Department of Economic Development, Environment and Tourism for exemption in terms of regulation 50(1) of the Environmental Impact Assessment Regulations 2010 (R543) to assess alternatives with regard to the planned activity.

Applicant:
MTN (Pty) Ltd
P O Box 4559, Northcliff, 2115

Environmental Assessment Practitioner (EAP):
Torbouse Solutions CC
Attention: Wilbert Van't Foort
P O Box 32017,Totiusdal, 0134
Telephone: 012 804 1504/6; Facsimile: 012 804 7072
E.mail: admin@torbousesolutions.co.za

Further information regarding the proposed activity can be obtained from the EAP.

Any interested and affected party may, **in writing**, make representations on the proposed activity or request to be registered as an interested and affected party, by submitting the written representations or registration request, including their name, physical & postal addresses (including facsimile & e-mail where possible) and contact number(s) and quoting the activity reference number, to the EAP within 30 calendar days form the publication of this notice.

Notice publication date: **2 February 2012**

3.2.11 / 13x3 / 4

PUBLIC PARTICIPATION PROCESS

REFERENCE NUMBER: 17/2/3/GS-69

Regulation 546 activity 3 (a) & (b) : (a) ii (ee) : Establishment of an enclosed telecommunication base station with a **54m** mast for MTN (Pty) Ltd: **T9244 Diepgesit Sappi**

Location: **Remaining Extent of the farm Grenspad 433 JT**

Co-ordinates (WGS84 format) of the alternatives on the above property. **Alternative1: Latitude: 25°56'30.90"S Longitude: 30°25'30.10"E**

Lattice type mast painted red and white

Notice is hereby given of a public participation process in terms of the Environmental Impact Assessment Regulations 2010 (R543) as amended promulgated in terms of the National Environmental Management Act 1998 (Act No. 107 of 1998) ("NEMA").

Basic assessment procedures will be applied in accordance with regulation 543 and an application was submitted to the Mpumalanga Department of Economic Development, Environment and Tourism.

The applicant furthermore intends to apply to the Mpumalanga Department of Economic Development, Environment and Tourism for exemption in terms of regulation 50(1) of the Environmental Impact Assessment Regulations 2010 (R543) to assess alternatives with regard to the planned activity.

Applicant:
MTN (Pty) Ltd
P O Box 4559, Northcliff, 2115

Environmental Assessment Practitioner (EAP):
Torbouse Solutions CC
Attention: Wilbert Van't Foort
P O Box 32017,Totiusdal, 0134
Telephone: 012 804 1504/6; Facsimile: 012 804 7072
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Notice publication date: **2 February 2012**

3.2.11 / 13x3 / 4

PUBLIC PARTICIPATION PROCESS

REFERENCE NUMBER: 17/2/3/GS-51

Regulation 546 activity 3 (a) & (b) : (a) ii (cc) & (ee): Establishment of an enclosed telecommunication base station with a **54m** mast for MTN (Pty) Ltd: **T8952 Baltimore Farm**

Location: **Portion 8 of the Farm Witkranz 53IT**

Co-ordinates (WGS84 format) of the alternatives on the above property. **Alternative1: Latitude: 26°10'03.10"S Longitude: 30°06'39.96"E**

Lattice type mast painted red and white

Notice is hereby given of a public participation process in terms of the Environmental Impact Assessment Regulations 2010 (R543) as amended promulgated in terms of the National Environmental Management Act 1998 (Act No. 107 of 1998) ("NEMA").

Basic assessment procedures will be applied in accordance with regulation 543 and an application was submitted to the Mpumalanga Department of Economic Development, Environment and Tourism.

The applicant furthermore intends to apply to the Mpumalanga Department of Economic Development, Environment and Tourism for exemption in terms of regulation 50(1) of the Environmental Impact Assessment Regulations 2010 (R543) to assess alternatives with regard to the planned activity.

Applicant:
MTN (Pty) Ltd
P O Box 4559, Northcliff, 2115

Environmental Assessment Practitioner (EAP):
Torbouse Solutions CC
Attention: Wilbert Van't Foort
P O Box 32017,Totiusdal, 0134
Telephone: 012 804 1504/6; Facsimile: 012 804 7072
E.mail: admin@torbousesolutions.co.za

Further information regarding the proposed activity can be obtained from the EAP.

Any interested and affected party may, **in writing**, make representations on the proposed activity or request to be registered as an interested and affected party, by submitting the written representations or registration request, including their name, physical & postal addresses (including facsimile & e-mail where possible) and contact number(s) and quoting the activity reference number, to the EAP within 30 calendar days form the publication of this notice.

Notice publication date: **2 February 2012**

3.2.11 / 13x3 / 4

PUBLIC PARTICIPATION PROCESS

REFERENCE NUMBER: 17/2/3/GS-73

Regulation 546 activity 3 (a) & (b) : (a) ii (ee) : Establishment of an enclosed telecommunication base station with a **54m** mast for MTN (Pty) Ltd: **T8954 Grasdal Farm**

Location: **Portion 8 of the Farm Grasdal 94 IT**

Co-ordinates (WGS84 format) of the alternatives on the above property. **Alternative1: Latitude: 26°18'16.90"S Longitude: 30°21'01.01"E**

Lattice type mast painted red and white

Notice is hereby given of a public participation process in terms of the Environmental Impact Assessment Regulations 2010 (R543) as amended promulgated in terms of the National Environmental Management Act 1998 (Act No. 107 of 1998) ("NEMA").

Basic assessment procedures will be applied in accordance with regulation 543 and an application was submitted to the Mpumalanga Department of Economic Development, Environment and Tourism.

The applicant furthermore intends to apply to the Mpumalanga Department of Economic Development, Environment and Tourism for exemption in terms of regulation 50(1) of the Environmental Impact Assessment Regulations 2010 (R543) to assess alternatives with regard to the planned activity.

Applicant:
MTN (Pty) Ltd
P O Box 4559, Northcliff, 2115

Environmental Assessment Practitioner (EAP):
Torbouse Solutions CC
Attention: Wilbert Van't Foort
P O Box 32017,Totiusdal, 0134
Telephone: 012 804 1504/6; Facsimile: 012 804 7072
E.mail: admin@torbousesolutions.co.za

Further information regarding the proposed activity can be obtained from the EAP.

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Notice publication date: **2 February 2012**

3.2.11 / 13x3 / 4

INGCAMBU INVESTMENTS (PTY) LTD; KENNISGEWING: BELANGHEBBENDE EN GEAFFEKTEERDE PARTYE VERGADERING; GEWYSIGDE OIB/OBP EN GWVLA PROSES

Ingcambu Investments (Pty) Ltd (Reg. Nr.: 2003/013713/07) is besig met die wysiging van die goedgekeurde Omgewings Impak Beraming / Omgewings Bestuurs Program (OIB/OBP) vir Thutsi Steenkoolmyn in terme van artikel 39 van die Mineraal en Petroleum Hulpbronne Ontwikkelingswet (Wet no. 28 van 2002) om addisionele mynbou verwante aktiwiteite ('n steenkool was aanleg met gepaardgaande infrastruktuur) op gedeelte 26 van die plaas Uitgevallen 134 IT in die Ermelo Magistraats Distrik in te sluit. Ingcambu Investments (Pty) Ltd het ook aansoek gedoen vir 'n Geïntegreerde Water Verbruik Lisensie (GWVLA) vir water verbruik volgens regulasie 21 (a), (g), (i) en (j) van die Nasionale Water Wet (Wet Nr. 36 van 1998).

Geovicon Environmental (Pty) Ltd is aangestel as die omgewings konsultant wat die gewysigde OIB/OBP Verslag saamstel, in terme van artikel 39 van die wet, gelees tesame met regulasies 49, 50 en 51 van die Mineraal en Petroleum Hulpbronne Ontwikkelingswet (Wet nr. 28 2002), vir die insluiting van addisionele mynbou verwante aktiwiteite op bogenoemde eiendom asook die GWVLA, in terme van artikel 40 van die Nasionale Water Wet (Wet Nr. 36 van 1998) vir die water verbruik aktiwiteite op bogenoemde eiendom.

Belanghebbende en Geaffekteerde Partye word uitgenooi om 'n inligtings vergadering op die plek en datum soos hieronder aangedui, by te woon.

Plek: Ermelo Stadsaal (Ella de Bruin Saal)
Datum: Vrydag, 17 Februarie 2012
Tyd: 11h00

Indien u sou belangstel om die bogenoemde inligtings vergadering by te woon, sal ons dit waardeer as u voor of op 15 Februarie 2012, die kontak persoon (soos hieronder aangedui) telefonies of skriftelik sal verwittig, vir administratiewe doeleindes.

Dokumente is beskikbaar in die Ermelo Biblioteek vir publieke insae.

Kommentaar rakende die OIB/OBP wysiging en die GWVLA, moet skriftelik gerig word aan:

| | |
|--|--|
| Konsultant: GEOVICON ENVIRONMENTAL (Pty) Ltd Posbus 4050 Middelburg 1050 | Tel.: 013 243 0542 Faks.: 086 632 4936 E-pos: geovicon@iafrica.com Sel no.: 082 359 5604 Kontakpersoon: Riana Bate |
|--|--|

3.2.12 / 10x4 / 4

INGCAMBU INVESTMENTS (PTY) LTD; NOTICE: INTERESTED AND AFFECTED PARTY MEETING; AMENDED EIA/EMP AND IWULA PROCESS

Ingcambu Investments (Pty) Ltd (Reg. No.: 2003/013713/07) is in the process of amending its approved Environmental Impact Assessment / Environmental Management Programme (EIA/EMP) for Thutsi Colliery under section 39 of the Mineral and Petroleum Resources Development Act (Act nr. 28 of 2002) to include additional mining related activities (a coal washing plant with associated infrastructure) on portion 26 of the farm Uitgevallen 134 IT situated in the Magisterial District of Ermelo. Ingcambu Investments (Pty) Ltd also applied for an Integrated Water Use Licence (IWULA) for water uses in terms of section 21 (a), (g), (i) and (j) of the National Water Act (Act No. 36 of 1998).

Geovicon Environmental (Pty) Ltd has been appointed as the environmental consultant to compile the amended EIA/EMP Report in terms of section 39 of the Act, read with regulations 49, 50 and 51 of the Mineral and Petroleum Resources Development Act (Act no. 28 of 2002) for the inclusion of the additional mining related activities on abovementioned property as well as the IWULA in terms of section 40 of the National Water Act (Act No. 36 of 1998) for the water use activities on the above-mentioned property.

Interested and Affected Parties are hereby invited to attend an information meeting at the venue and on the date as indicated below.

Venue: Ermelo Civic Centre (Ella de Bruin Hall)
Date: Friday, 17 February 2012
Time: 11h00

If you are interested in attending the above-mentioned information meeting, please indicate your intent telephonically or in writing to the contact person (as indicated below) on, or before 15 February 2012, for administration purposes.

Documents are available in the Ermelo Library for public scrutiny.

Comments regarding the EIA/EMP amendment and the IWULA, must be submitted in writing to:

| | |
|---|---|
| Consultant: GEOVICON ENVIRONMENTAL (Pty) Ltd P. O. Box 4050 Middelburg 1050 | Tel.: 013 243 0542 Fax.: 086 632 4936 E-mail: geovicon@iafrica.com Cell.: 082 359 5604 Contact person: Riana Bate |
|---|---|

3.2.12 / 10x4 / 4

G2: Motivation for Exemption of assessing alternatives

Our Reference:

Your Reference:

T9244 Diepgesit Sappi

17/2/3/GS-69

T9244

21 May 2012

Mpumalanga Department of Economic Development,
Environment and Tourism
The Deputy Director
Environmental Impact Management
Gert Sibande District Office
13 de Jager Street
Ermelo
2350



Reg. No. 2001/080535/23

PO Box 32017, Totiusdal, 0134

414 Rustic Road
Silvertondale, 0184
Pretoria

Tel: (012) 804 1504/ 6

Fax: (012) 804 7072

e-mail: admin@torbiousolutions.co.za

Attention: **Surgeon Marebane**
Fax No: 072 814 5409
E-mail: stmarebane@mpg.gov.za

Dear Sir,

MOTIVATION FOR EXEMPTION FROM ASSESSING ALTERNATIVES 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 REMAINING EXTENT OF THE FARM GRENSPAD 433 JT.

In terms of Regulation 50 of the EIA Regulations, August 2010, as contemplated in subregulation 22 (2)(h), we hereby apply for exemption from assessing alternatives in this application.

Motivation:

(a) The property on which or location where it is proposed to undertake the activity:

The Remaining Extent of the farm Grenspad 433 JT, where the establishment is proposed was identified by the radio planners of MTN as the best position to place the mast to reach the transmission coverage on the MTN network. The property is already developed with the new house, water tanks, fences and roads and the forestry development nearby. Environmental impact at this site and on this property will be limited to the visual aspect, as well as the grass that need to be removed from the 160m² footprint area. The development is planned near the farm house on open grassland where no large trees or any endangered plants will need to be removed. The neighbouring properties were not regarded as feasible site alternatives due to more limitations on the network coverage, as well as possible increased impact on the site footprint area where more indigenous vegetation would have to be removed. The environmental impact on the footprint area would most probably be of much higher significance if the site was moved to another locality within a certain radius from the proposed site.

(b) The type of activity to be undertaken:

There are no type alternatives available or feasible to replace the establishment of telecommunication masts.

(c) The design or layout of the activity:

The proposed design of the activity is a 54m high lattice telecommunication mast. The 54m height is required to reach the transmission network coverage on the MTN network. The lattice type mast is the only design alternative that provides the required equipment capacity and wind-load capacity. A monopole type mast is not considered a feasible option for this specific development because of more restrictions with regard to the equipment and wind-load capacity. Further disadvantage of a monopole type mast is increased visibility due to the more solid type structure against the sky background. The SACAA (South African Civil Aviation Authority) prescribed day and night markings, meaning the mast has to be painted red and white with red lights on top for maximum visibility to aircraft to prevent aircraft accidents. Therefore, no other colour alternatives are considered to be feasible due to the red and white colour requirement of the SACAA.

(d) The technology to be used in the activity:

Nacelle propellers (x2) with gearboxes and generators to be placed at top of the mast to generate wind electricity. MTN Kathrein directional antennae (x3) to be placed near the top of the mast just under the wind generators. Telecommunications directional antennae (x3) to be placed under the MTN antennae by the possible future share party. MTN 600mm microwave dish to be placed under the telecommunications directional antennae. MTN mini-D equipment container (with extension) to be placed on ground level under the mast. Solar Panel array with solar controller to be placed within the enclosed base station next to the mast. New MTN standard manhole (800mm x 800mm) for future fibre optic link.

(e) The operational aspects of the activity:

- There will be no increased electricity consumption on the existing supply grid: The infrastructure is designed to operate on economical electricity consumption. 2 wind generators will be installed at the top of the mast. This is a very feasible measure to replace electrical power supply as the mast is on a plateau with windy conditions.
- To ensure sufficient power supply a solar panel array will be installed next to the mast. These two methods of power supply will ensure optimal power supply without any increased electricity consumption on the existing supply grid.
- There will be no noise generation by air conditioning units and by backup generators as these are replaced by the wind generator and the solar panel array. The wind generators and solar panels operate at very low and well accepted noise levels. The wind generators and solar panels are very feasible technology alternatives to replace the air conditioning units or the backup generator.
- Non-ionising electromagnetic fields on allocated frequency: The electromagnetic fields are well below the accepted level to prevent any damage to living organisms (within International Commission on Non-ionising Radiation Protection, ICNIRP, and World Health Organisation, WHO, guidelines) and are restricted within the allocated frequency. There are no feasible alternatives to obtain the required network coverage within the allocated frequency.
- Increase in potential air traffic obstacles: Lower mast options are not feasible alternatives to reach the required network coverage as this would require multiple mast applications to reach the same network coverage with increased environmental impact on the footprint area of several masts as well as increased visual impact on each separate mast development.
- Visual impact of the 50m lattice mast painted red & white on short, medium and long distance observation: Other design, height or colour alternatives are not feasible as prescribed above.

We trust that the above motivation is sufficient to consider and approve this application for exemption from assessing several site alternatives.

Kind Regards,



Wilbert van't Foort

For: Torbouse Solutions cc

Addendum A:
Proof of submission to State Departments & I & AP's