



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.

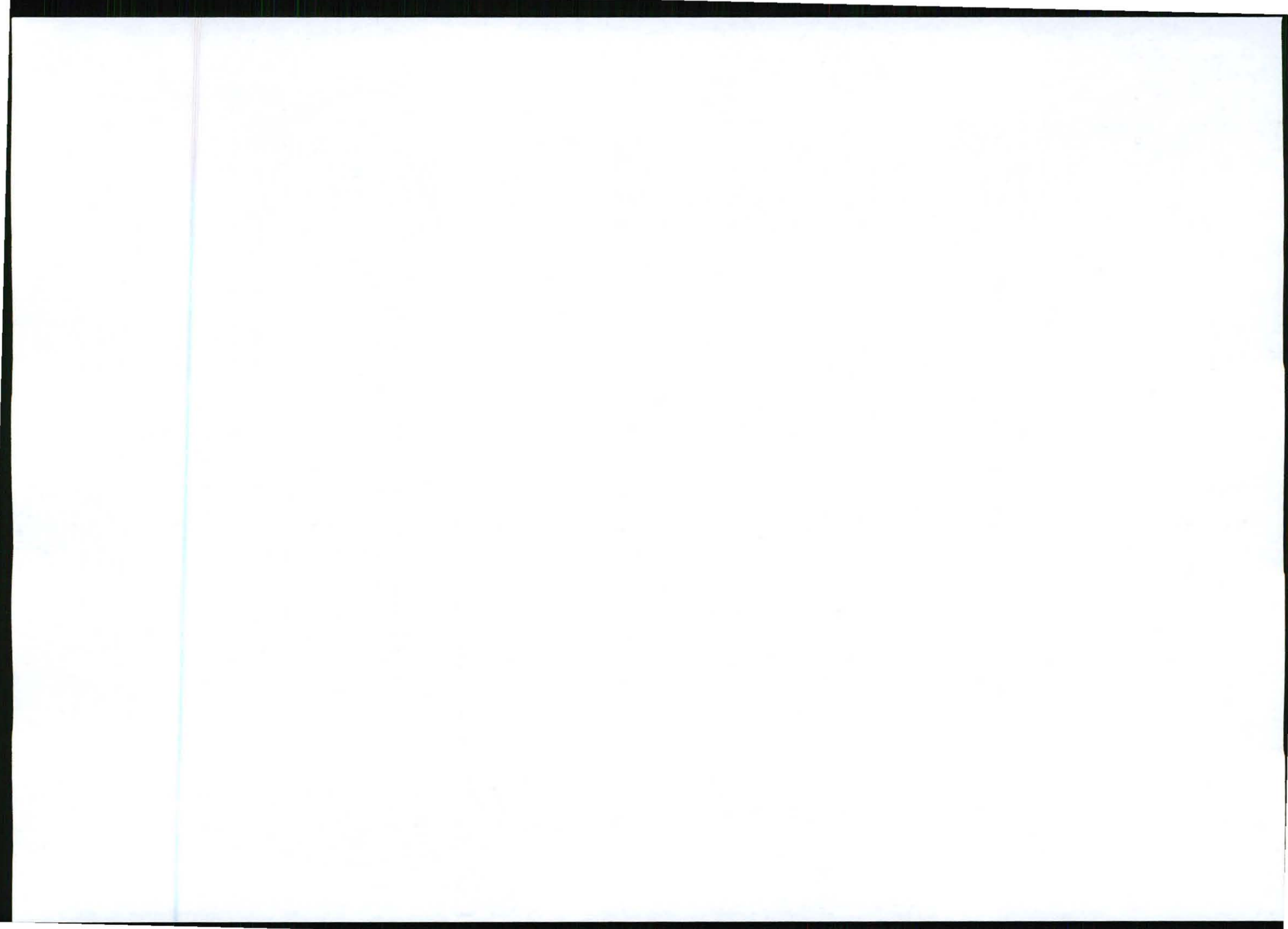
### **3.8 Fire Control**

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 [insert details 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.

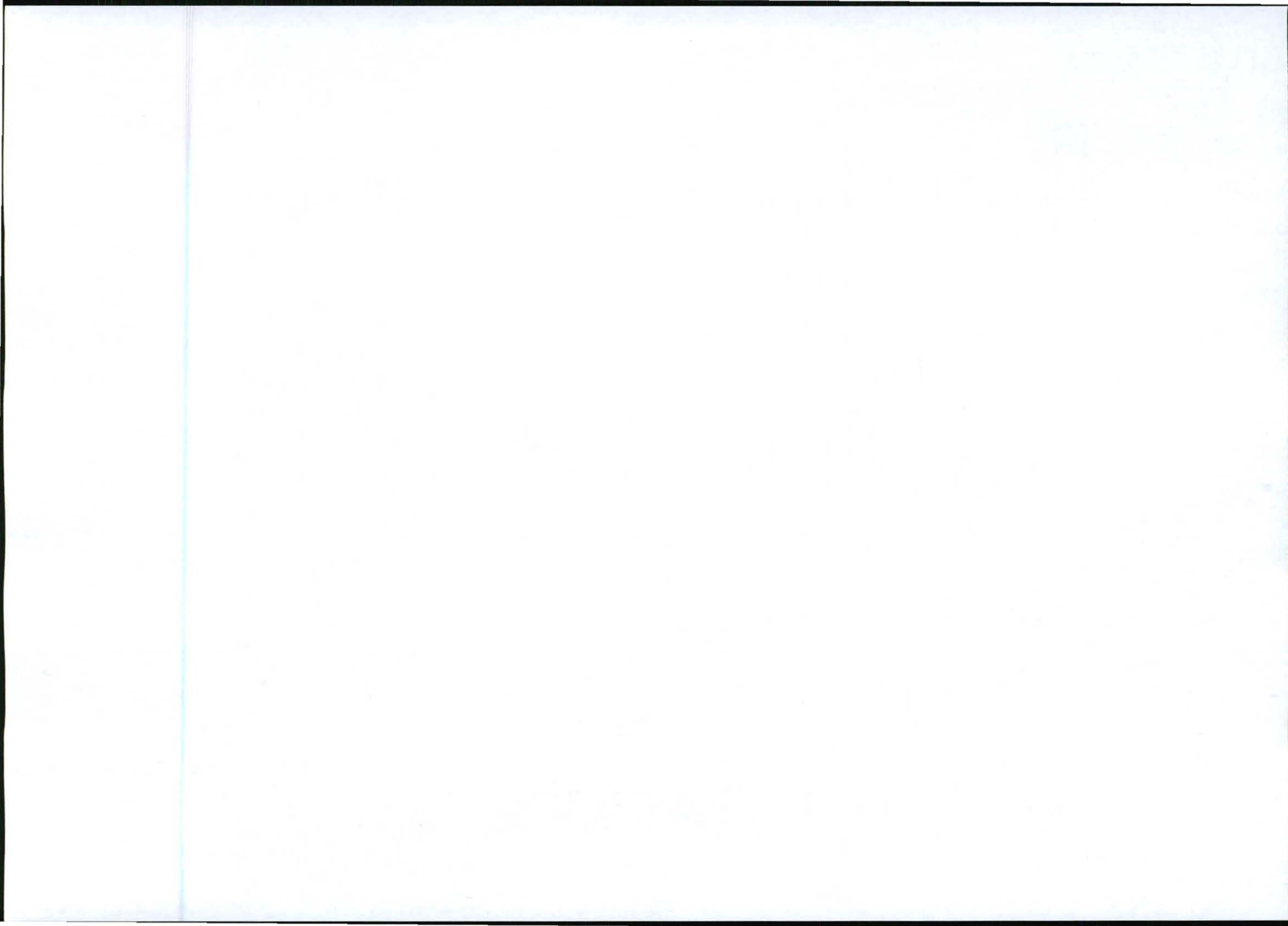


### **3.16 Site Rehabilitation and Landscaping**

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

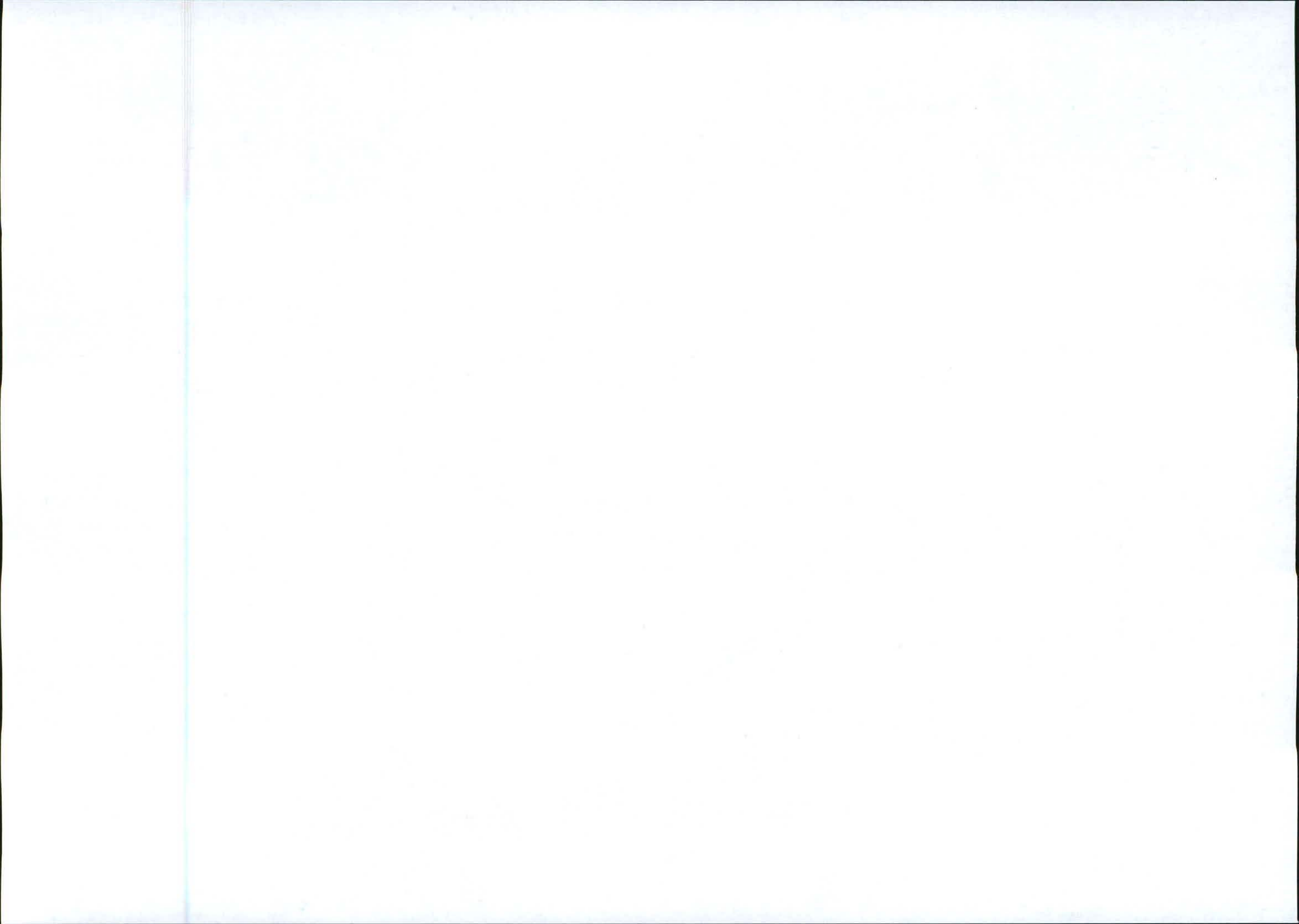
The following responsibilities will be met to prevent negative environmental impacts:

- 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.

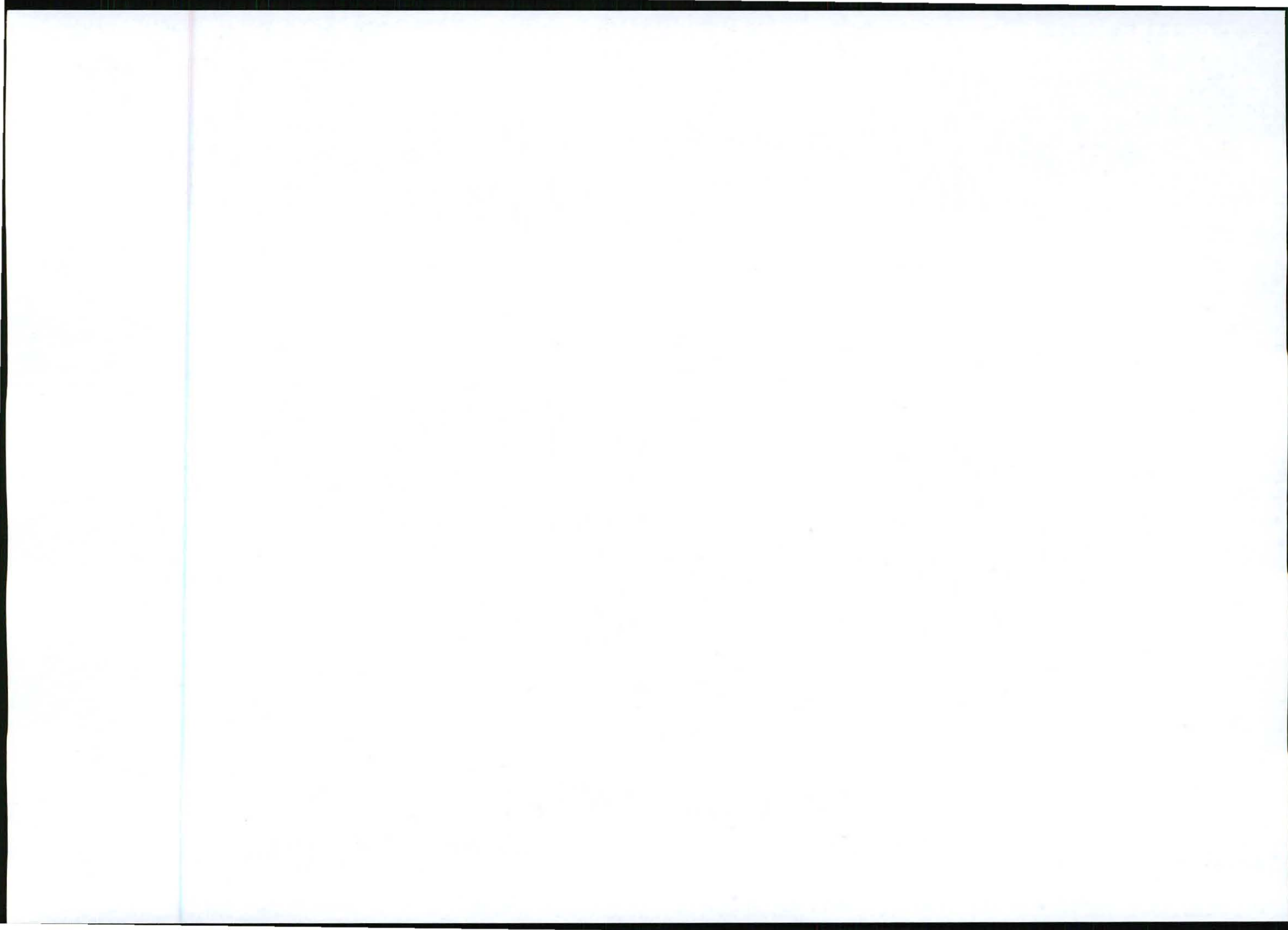
### 4.1.1 Maintenance

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 at 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:

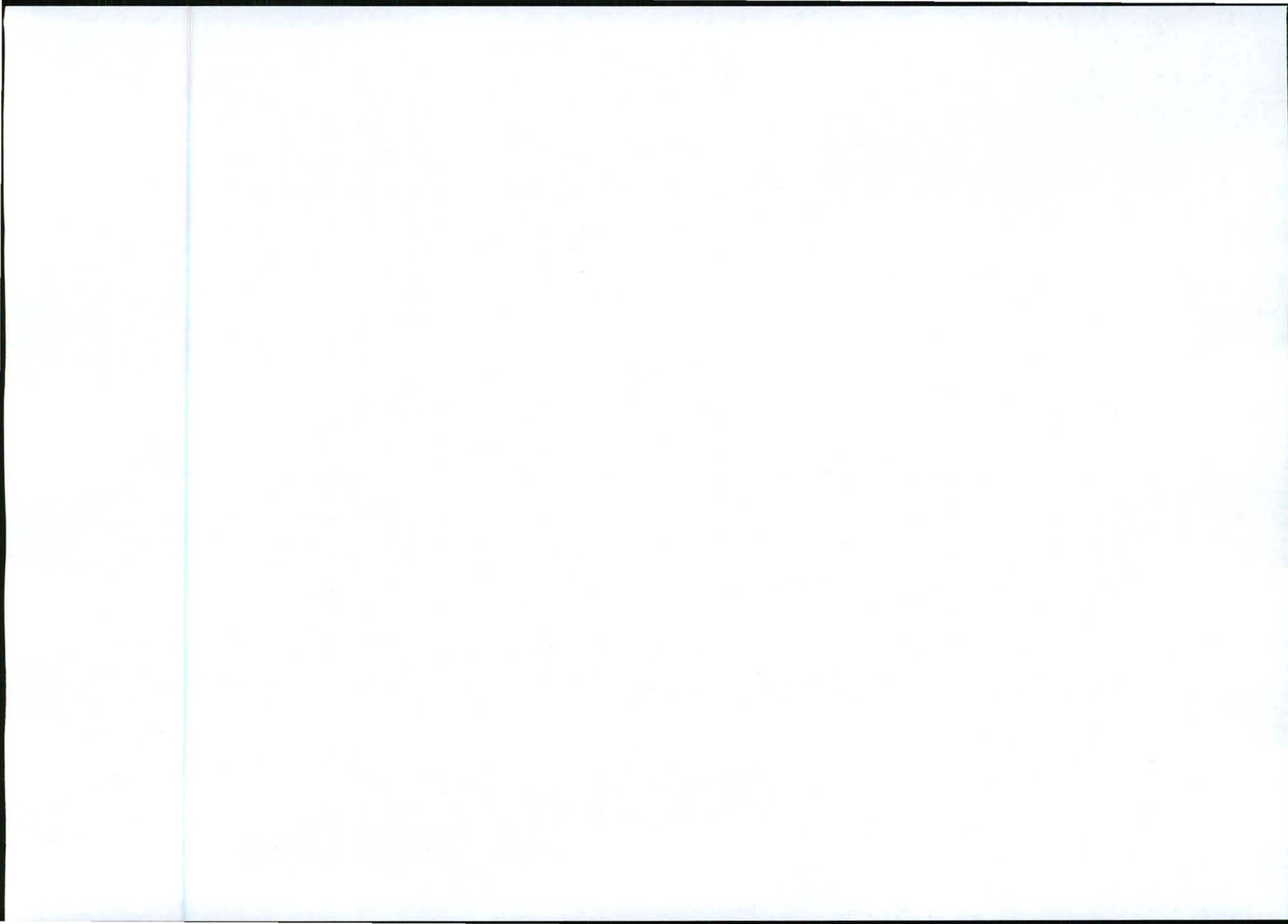
- Removal of the construction building rubble to a suitable licensed disposal facility;
- Ensuring that suitable arrangements are made to protect the environment against long term negative impacts;
- Minimize negative visual impacts;
- Maintain the storm water channels in a working condition;
- Clean 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**

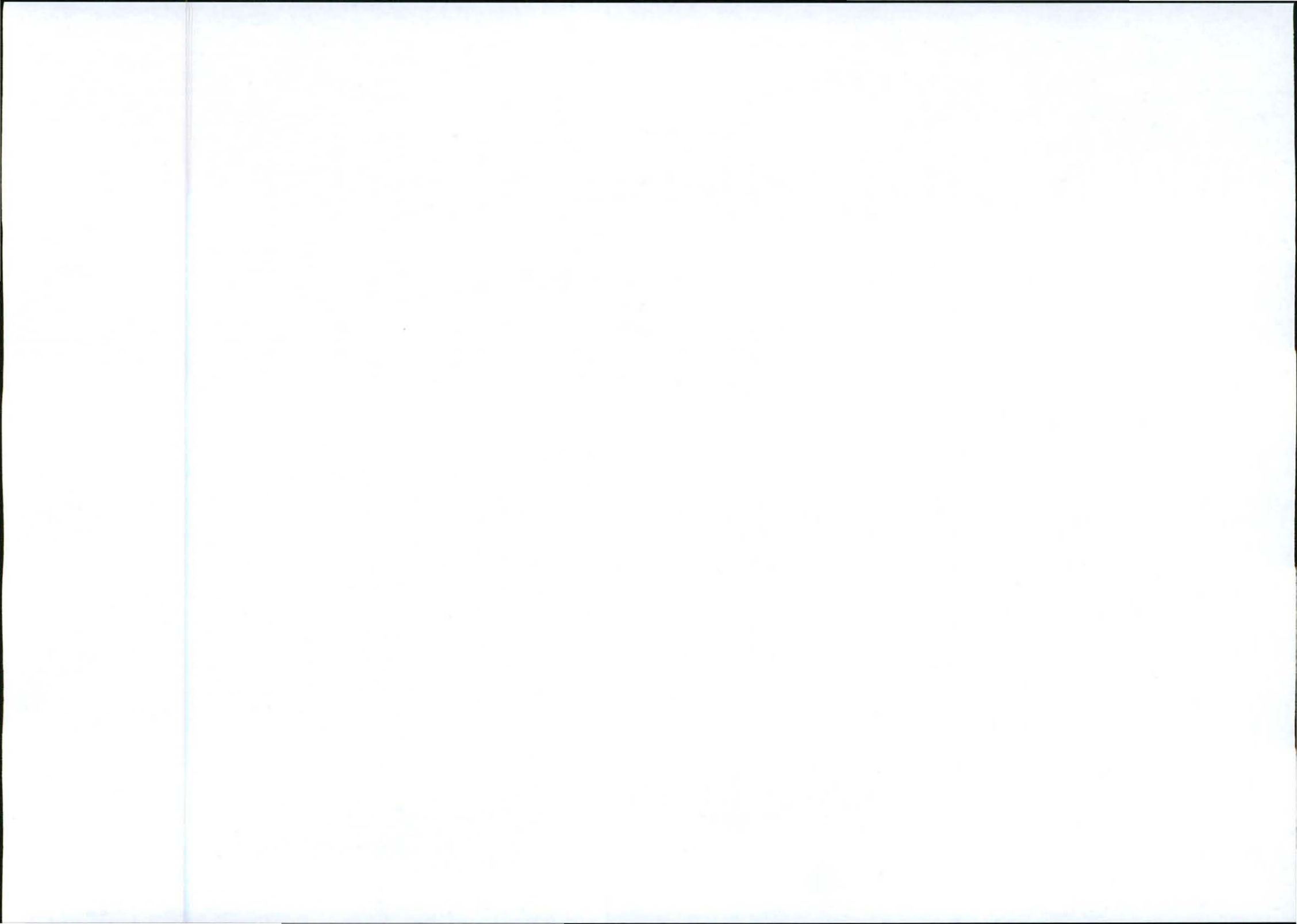
4. All the concrete, cement and reinforcing on site must be removed and disposed of in a Registered dump by the Contractor. All land must be filled with landfill and compacted as necessary. (refer to owners requirements). If the landlord agrees, the concrete, cement and reinforcing can remain as is.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

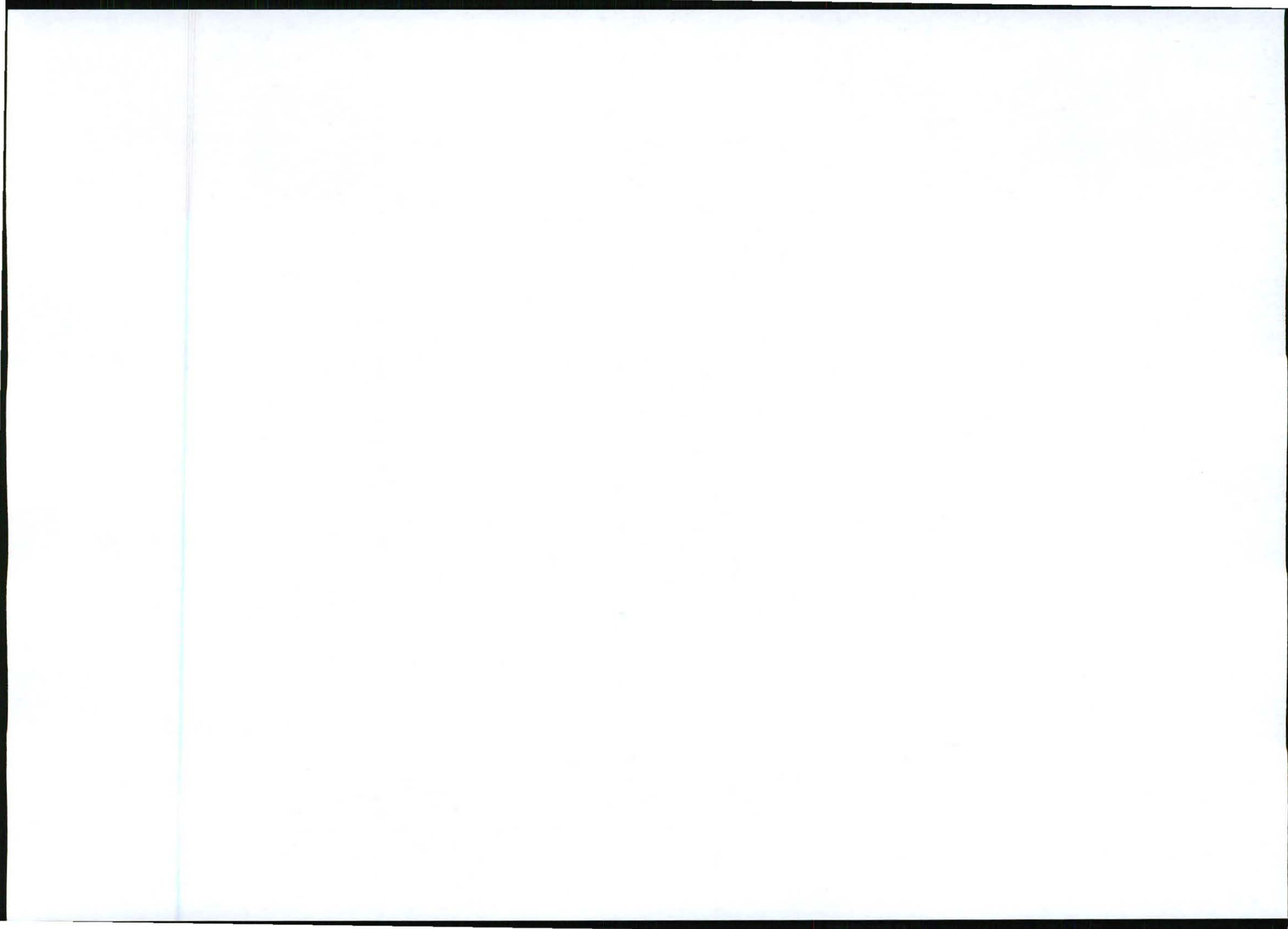
22. The BTS site, access roads and any trenches must be rehabilitated, conforming to ISO standards and to a level accepted by both the ESA and the landlord and must meet legal obligations that may be imposed or apply to that particular BTS site.

#### **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.





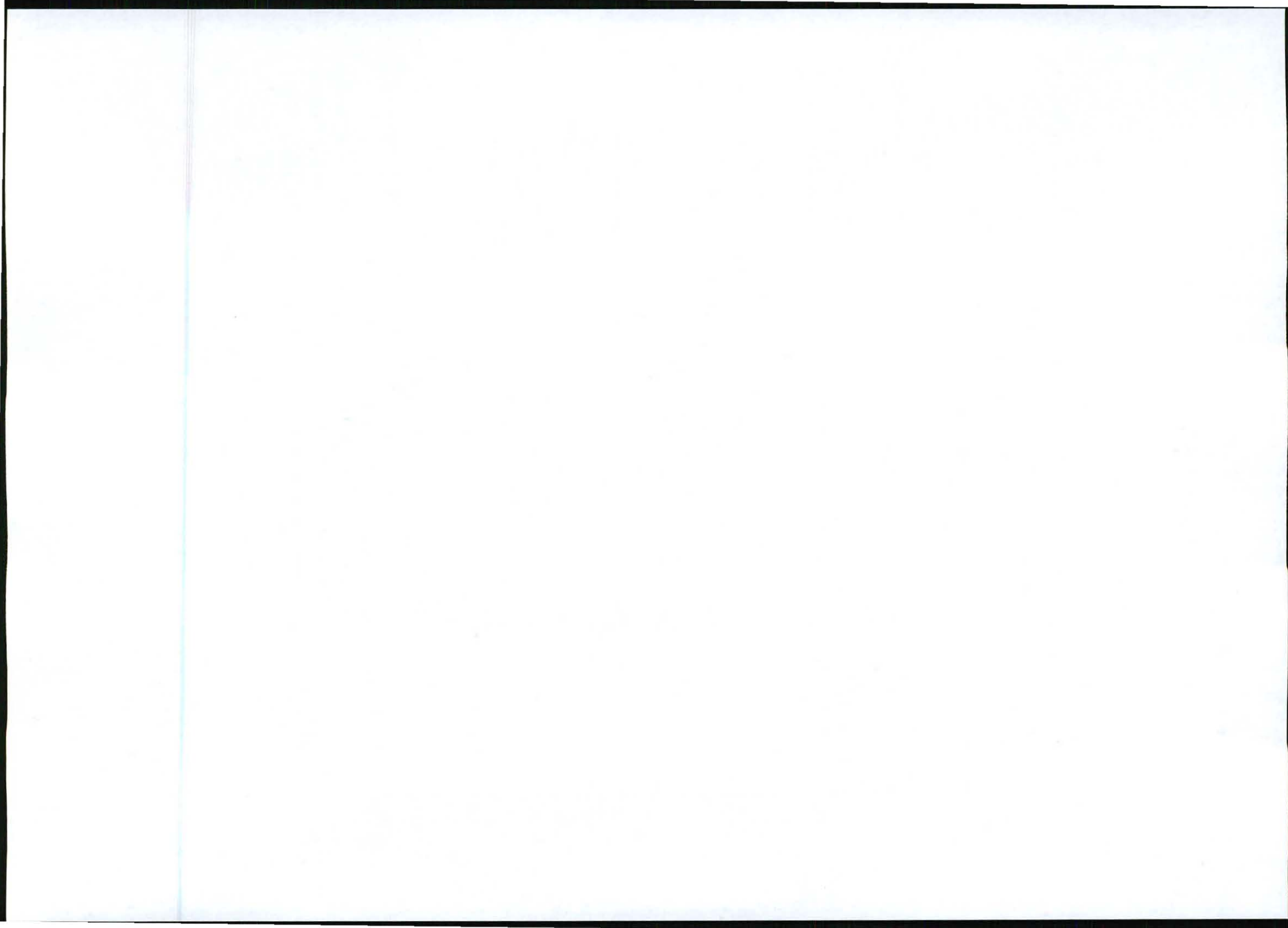
## 6 EMERGENCY RESPONSE PLAN

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><b>Also check:</b></p> <ul style="list-style-type: none"> <li>➤ That the source causing the spillage is decommissioned, and that the affected area is isolated to prevent spreading of the hazardous substance</li> </ul>	<p>Action will be required asap by following the next steps:</p> <ul style="list-style-type: none"> <li>➤ Dig down into the soil to see how far down the pollution has penetrated;</li> <li>➤ If penetration is less than 300mm:               <ul style="list-style-type: none"> <li>a. Turn the soil over to expose it to the air;</li> <li>b. Apply Mono Ammonium Phosphate (MAP) at a rate of 58gr/m<sup>2</sup> to the dug up soil</li> <li>c. Water enough to keep the soil moist</li> </ul> </li> <li>➤ If penetration is greater than 300mm:               <ul style="list-style-type: none"> <li>a. Remove the affected soil and spread in a layer not more than 300mm thick;</li> <li>b. Apply MAP at a rate of 50gr/m<sup>2</sup></li> <li>c. Water enough to keep the soil moist</li> </ul> </li> <li>➤ Repeat the above steps every 6 weeks or until the soil is clean</li> </ul>
General Surface Erosion	<p>Report to ESA and continue observations.</p> <p><b>Also check:</b></p> <ul style="list-style-type: none"> <li>➤ 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.</li> </ul>	<p>Action will be required asap:</p> <ul style="list-style-type: none"> <li>➤ Implement erosion protection works at identified problem areas;</li> <li>➤ Implement remedial works to be done at affected areas in order to restore the area to its previous or better status.</li> </ul>



This EMPR has been assessed/reviewed and agreed with:

\_\_\_\_\_  
**HOD – Implementation**

Name: \_\_\_\_\_

Region: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_  
**SUPERVISOR – Property**

Name: \_\_\_\_\_

Region: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_  
**Environmental Consultant (ESA)**

Name: \_\_\_\_\_

Company: \_\_\_\_\_

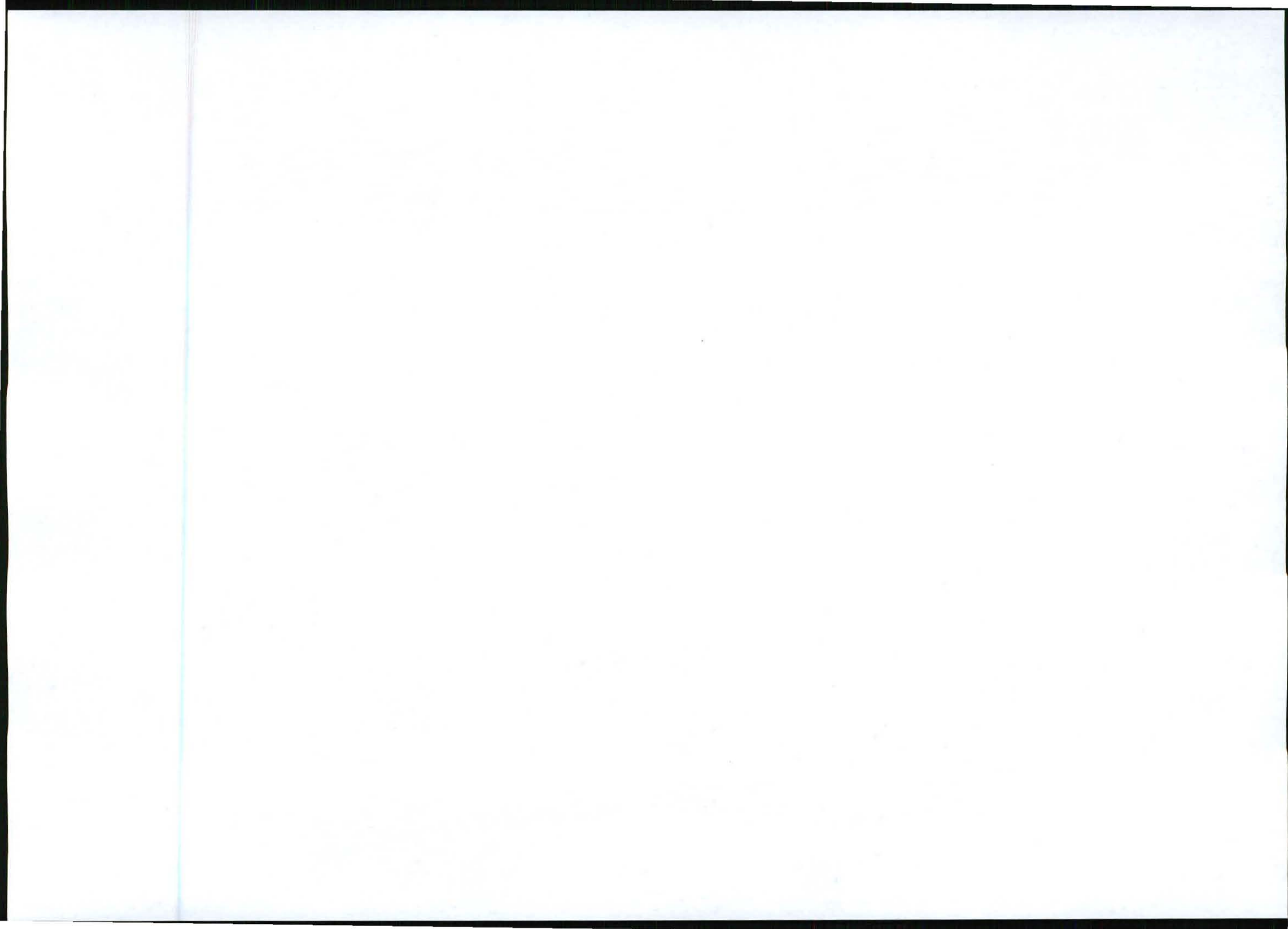
Date: \_\_\_\_\_

\_\_\_\_\_  
**HOD - Maintenance**

Name: \_\_\_\_\_

Region: \_\_\_\_\_

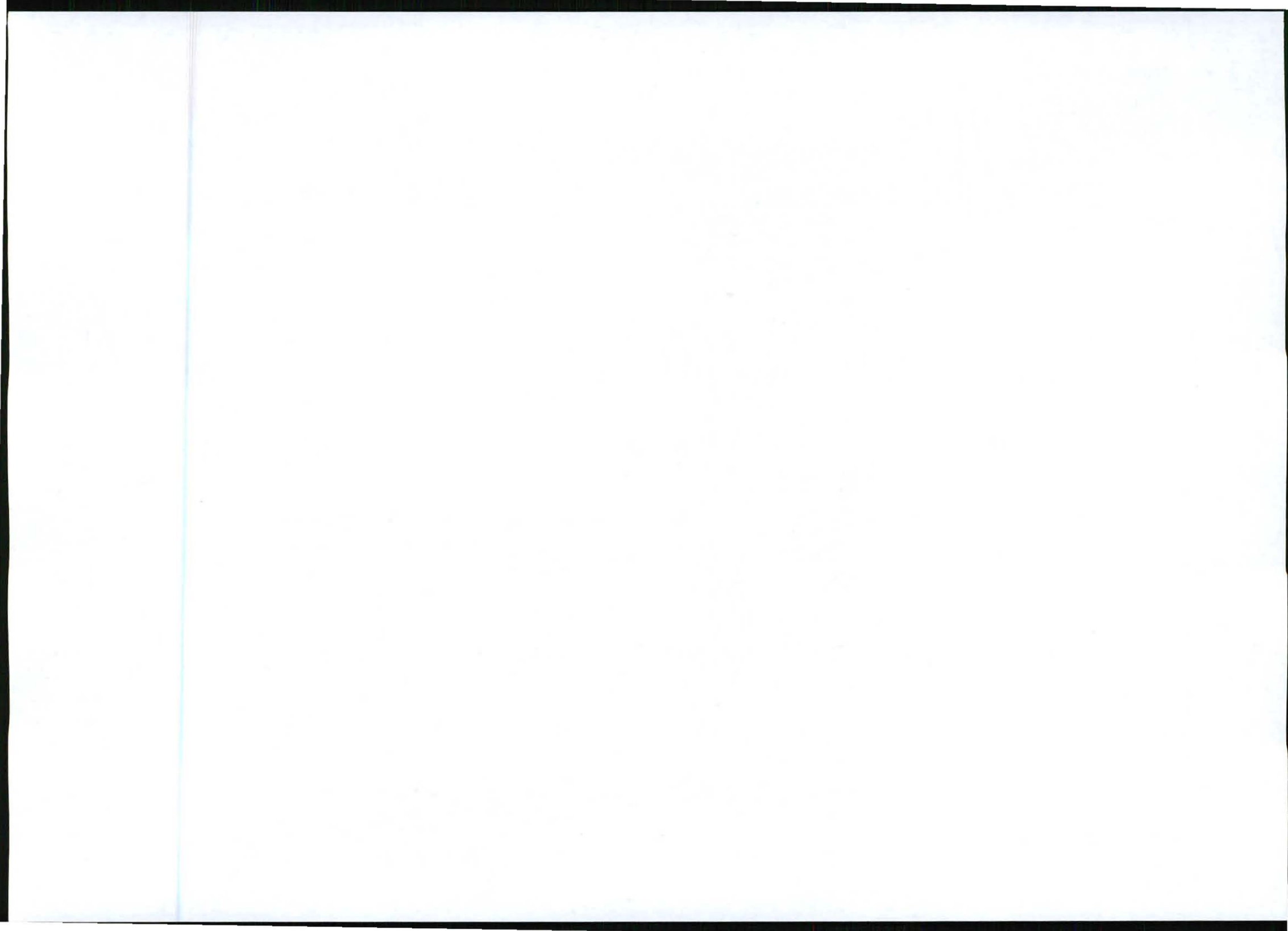
Date: \_\_\_\_\_



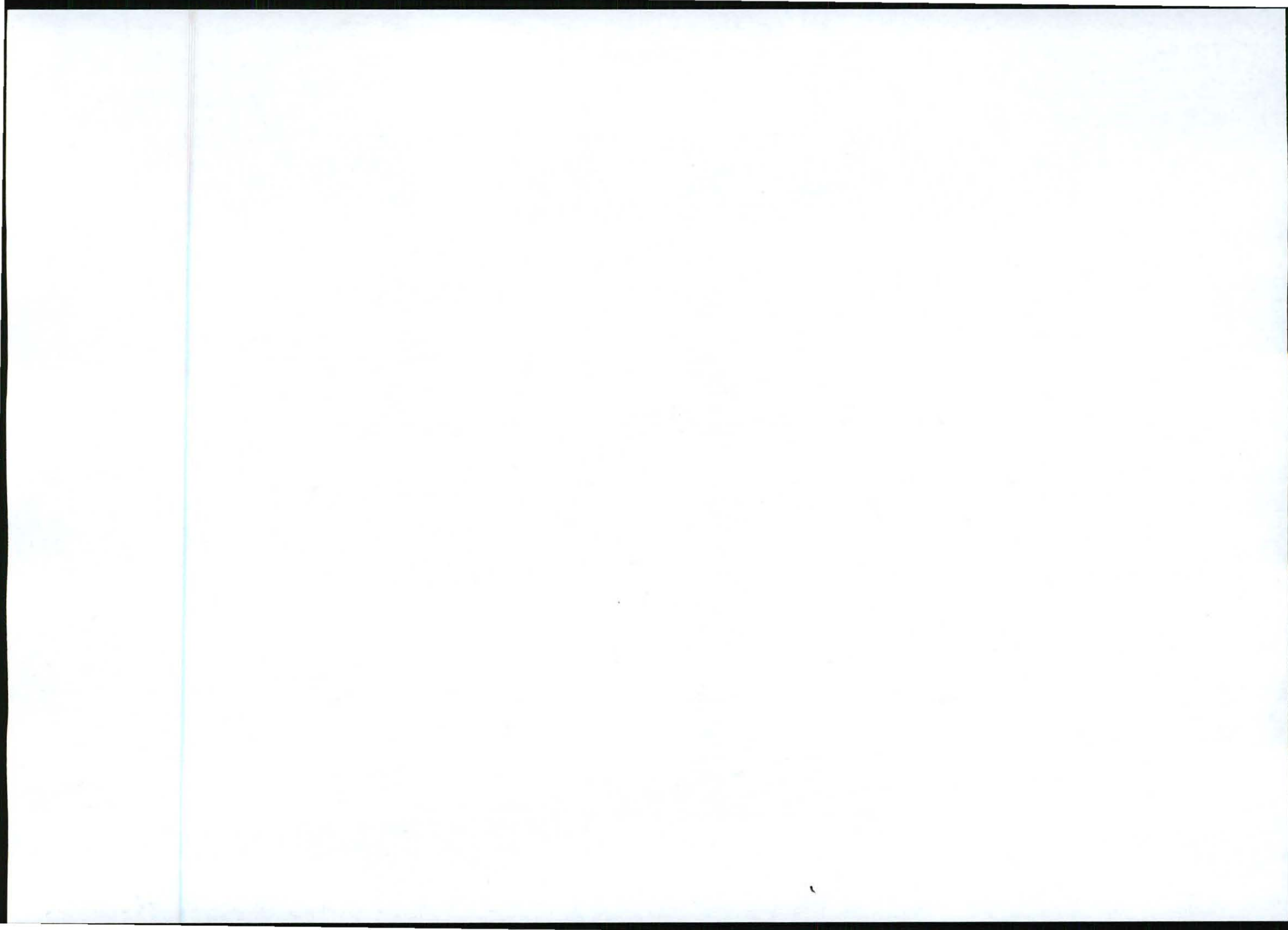
**Appendix G: Other**

- G1 – Public Participation - Proof of Site Notice**
- G2– Public Participation – Proof of Written Notices to I&AP**
- G3– Public Participation – Proof of Newspaper Advertisement**
- G4 – Public Participation – Register of I&APs**
- G5- South African Civil Aviation Authority Information**
- G6 – Motivation for Exemption of assessing alternatives**





**G1 Proof of Site Notice**



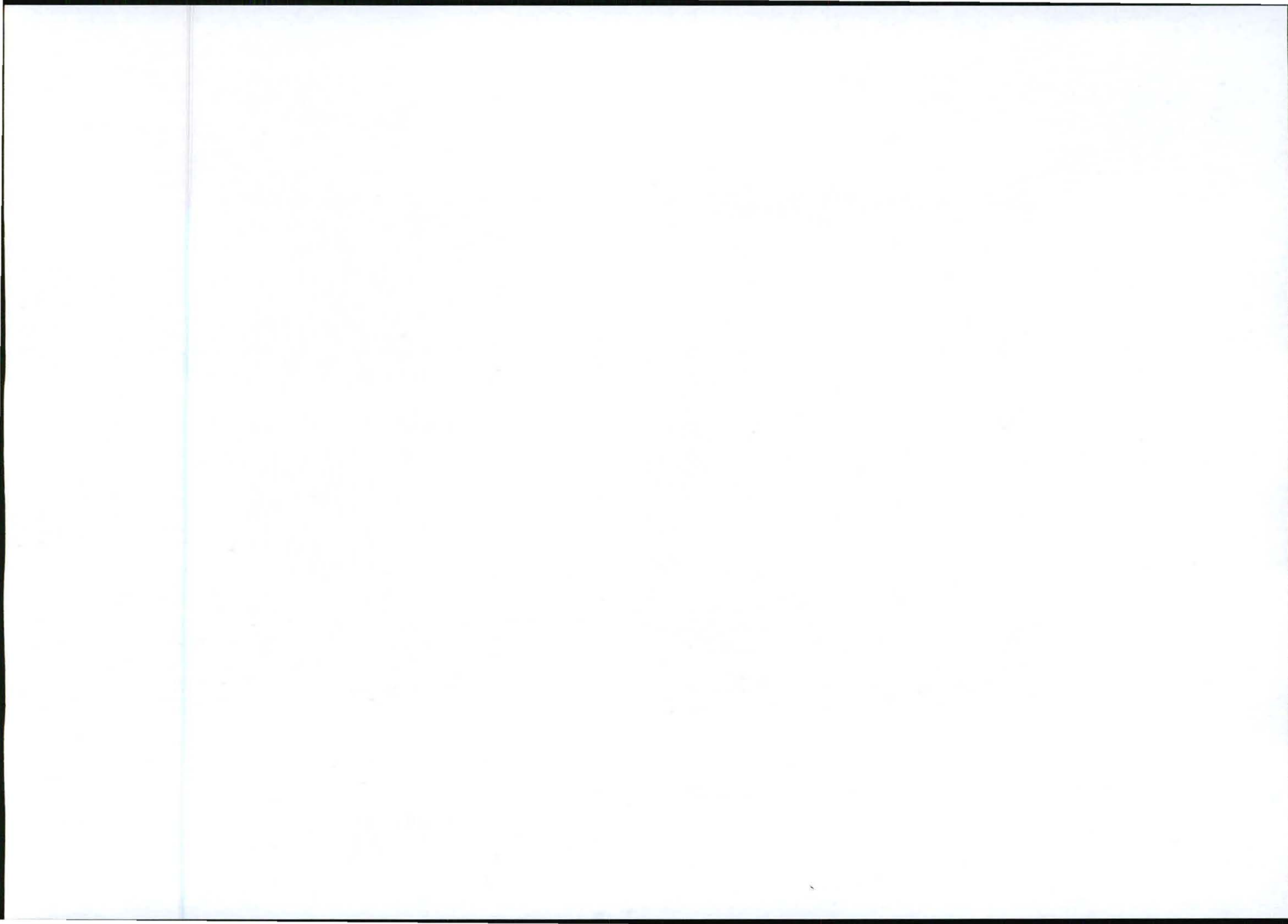
# Proof of Site Notice



Site Notice 1 affixed to stand Next to fence



Site Notice 1 affixed to stand Next to fence





# Proof of Site Notice

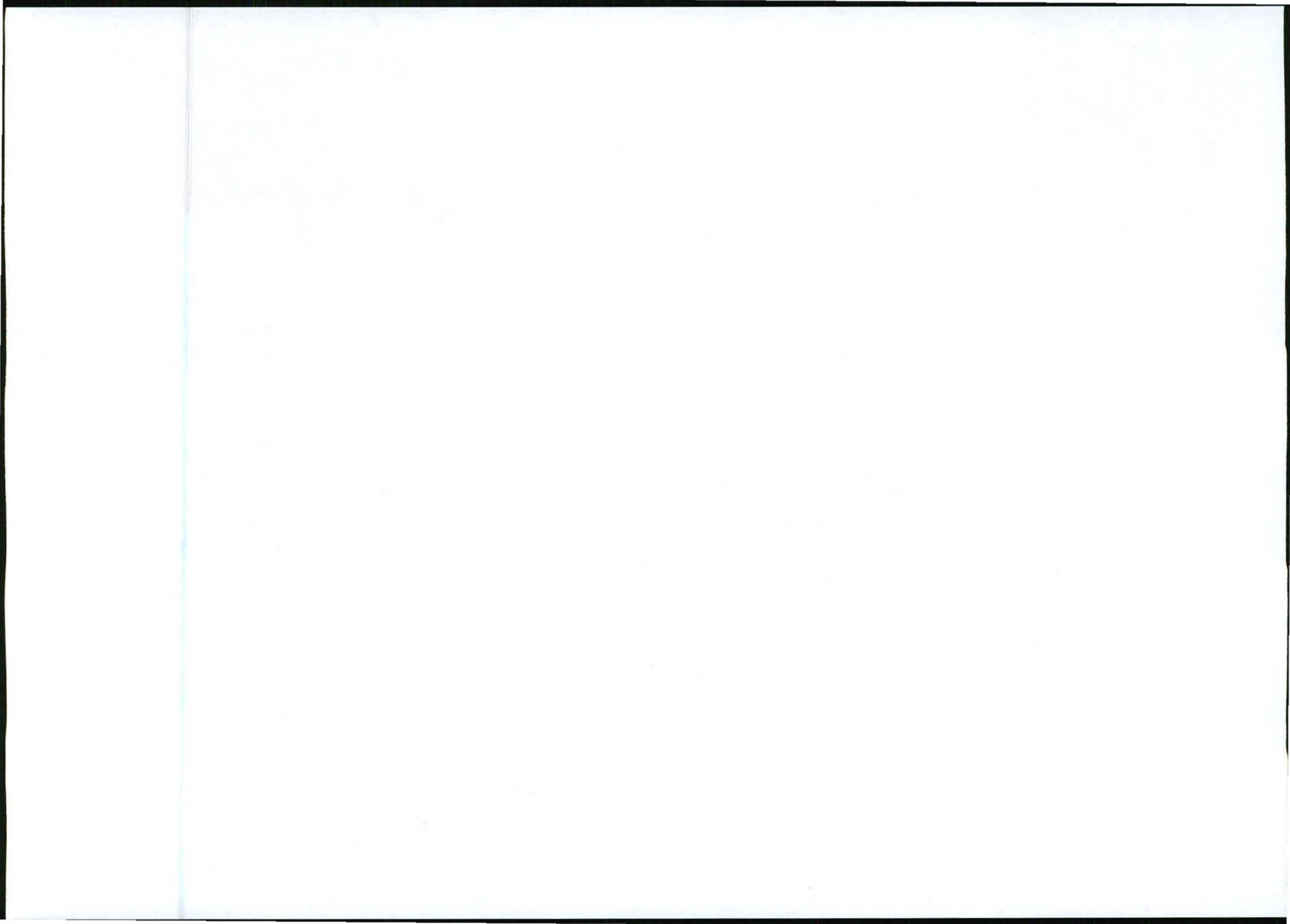


Site Notice 1 affixed to stand Next to fence



Site Notice 2 affixed to stand next to entrance





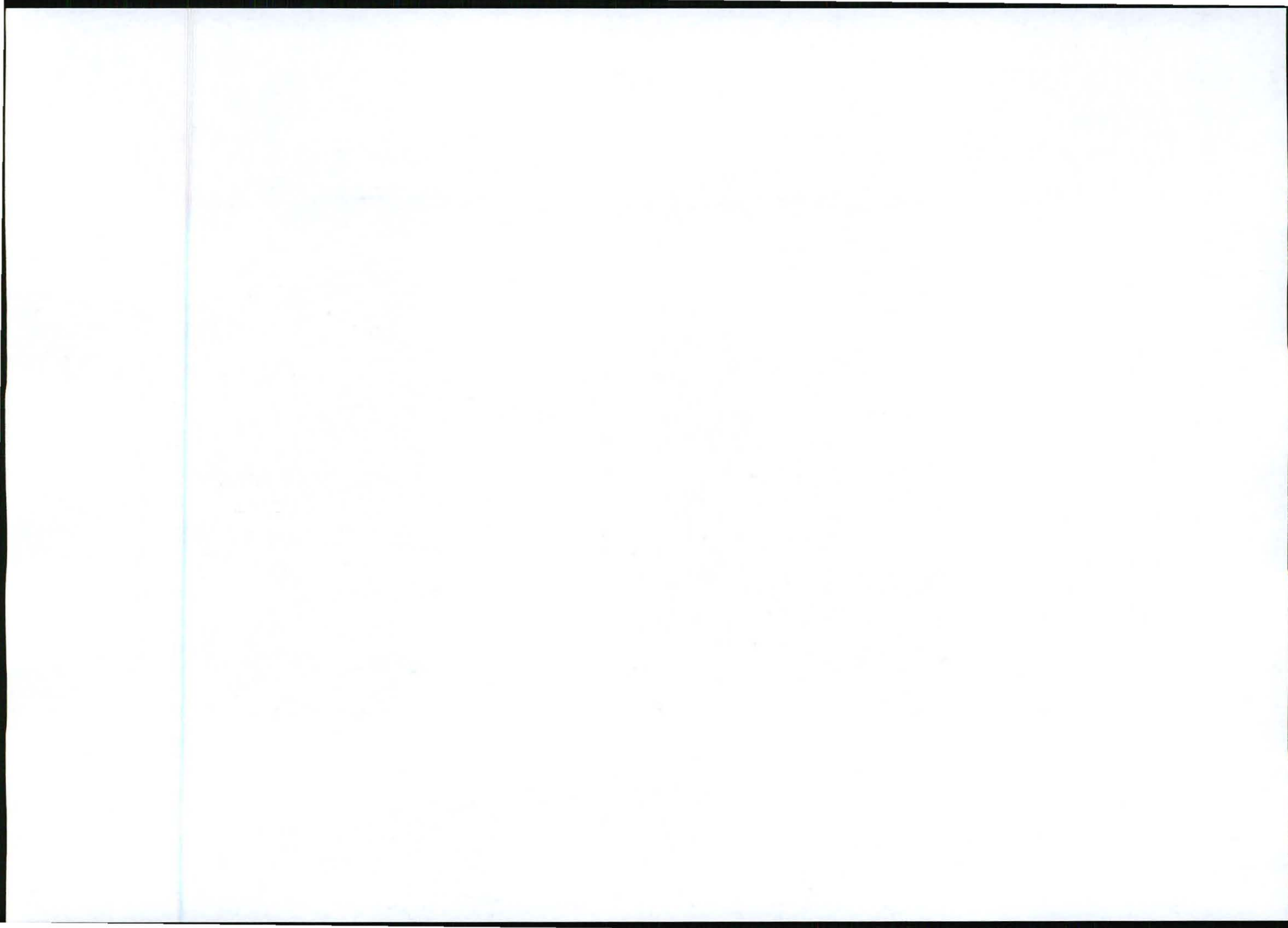
# Proof of Site Notice



Site Notice 2 affixed to stand next to entrance

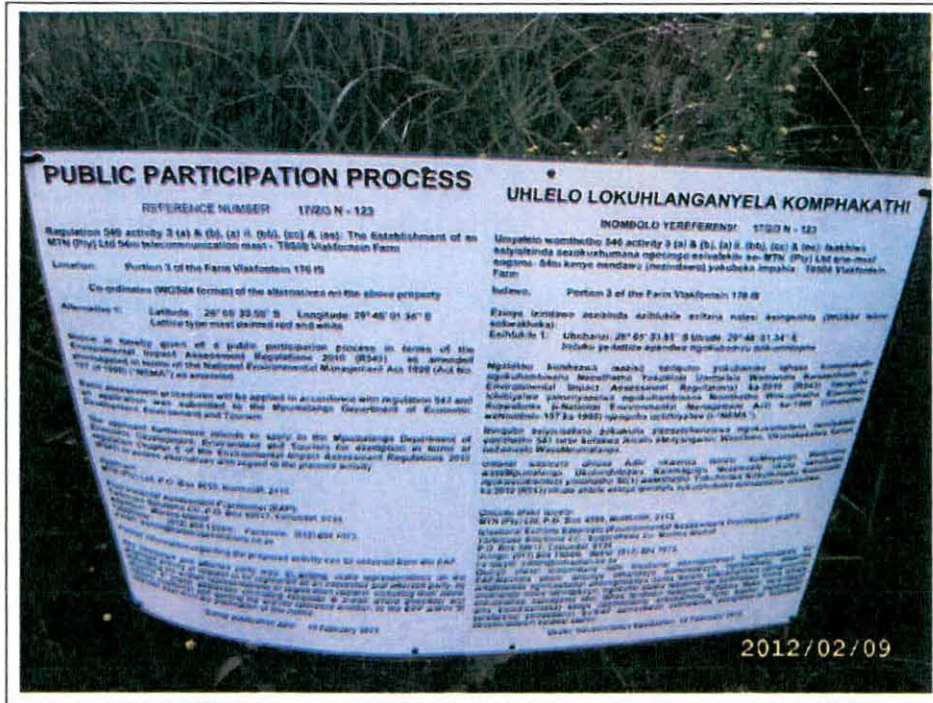


Site Notice 2 affixed to stand next to entrance





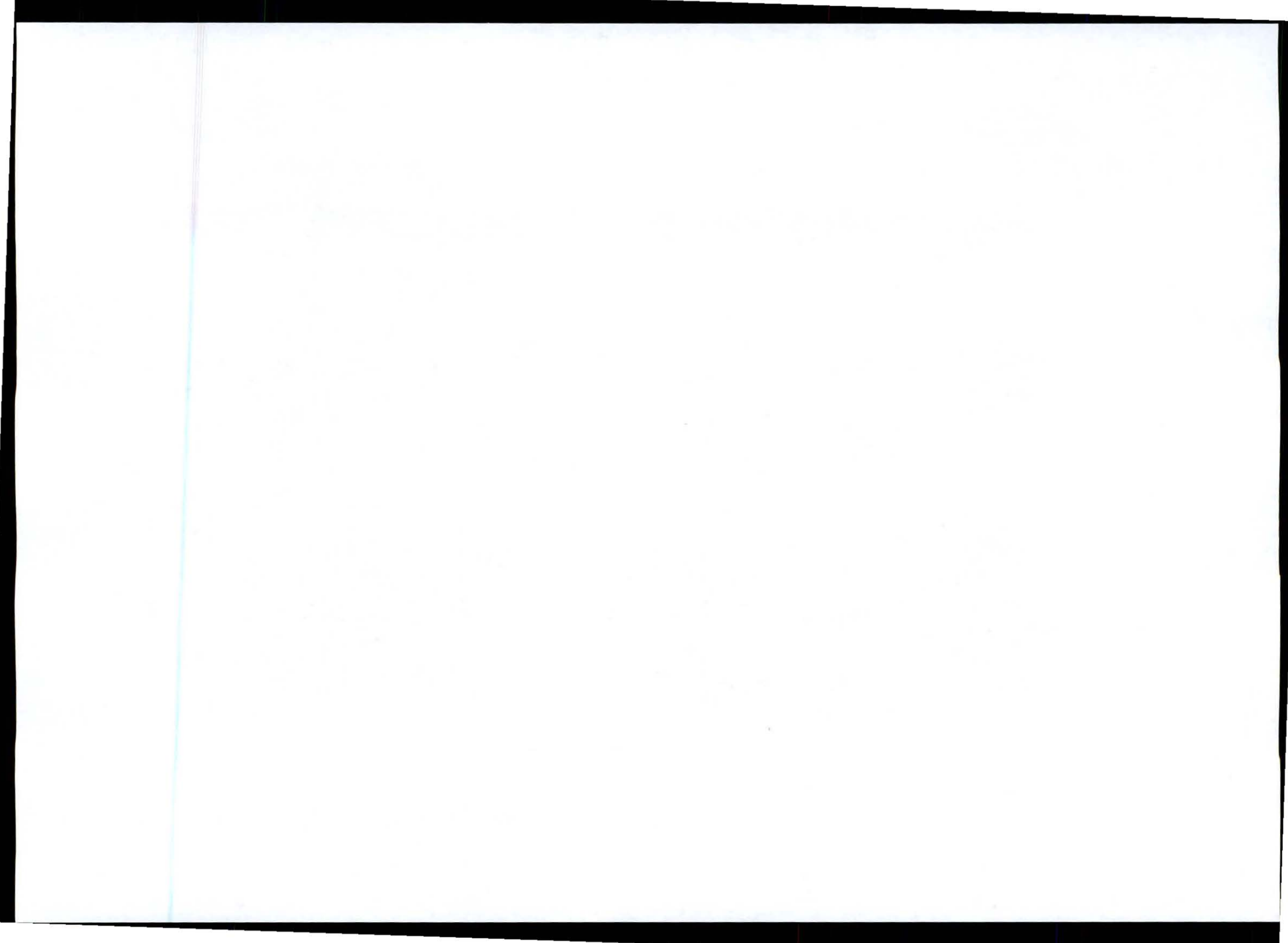
# Proof of Site Notice



Site Notice 3 affixed to stand next to dirt road



Site Notice 3 affixed to stand next to dirt road



## Proof of Site Notice



Site Notice 3 affixed to stand next to dirt road





**G2 - Written Notices**



**REGISTERED LETTER 79508**  
**GEREGISTREERDE BRIEF**



Full tracking and traceability (volledige volg en spoor)

Addressed to: **Mr J.P. Schreijers**  
**PC Box 463**  
**Hendrik**

Postcode: **14015**

The Post Office is not liable for any loss or damage to the contents of the letter, including the letter itself, if the letter is not registered or if the letter is not insured. The Post Office is not liable for any loss or damage to the contents of the letter, including the letter itself, if the letter is not registered or if the letter is not insured.

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Post Office  
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 Postkantoor



Accounting Letter  
 R.D. 684 465 315 ZA  
 CUSTOMER COPY



Our Reference:  
812 / T9508

Your Reference:

18 November 2011

Mr J P Scheepers  
P O Box 463  
Hendrina  
1095



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**

**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 IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 3 OF THE FARM VLAKFONTEIN 176IS.**

We are acting on behalf of MTN (Pty) Ltd, who have appointed us as Environmental Assessment Practitioner (EAP), in order to apply to the Mpumalanga Department of Economic Development, Environment and Tourism to establish a telecommunication base station on your property, Portion 3 of the Farm Vlakfontein 176IS located between Vlakfontein to Hendrina, R34 Wonderfontein grave road to Hendrina. In accordance with the regulations you as the land owner are hereby notified of the Public Participation process for the Environmental Impact Assessment.

Public participation is a process in which potential interested and affected parties are given the opportunity to comment on, or raise issues relevant to specific matters. These comments and issues form part of the total consideration by the competent authority i.e. the Mpumalanga Department of Economic Development, Environment and Tourism. It should however be understood that the competent authority is also guided by several other authorities, policies and facts in order to make their decision to grant environmental authority or not.

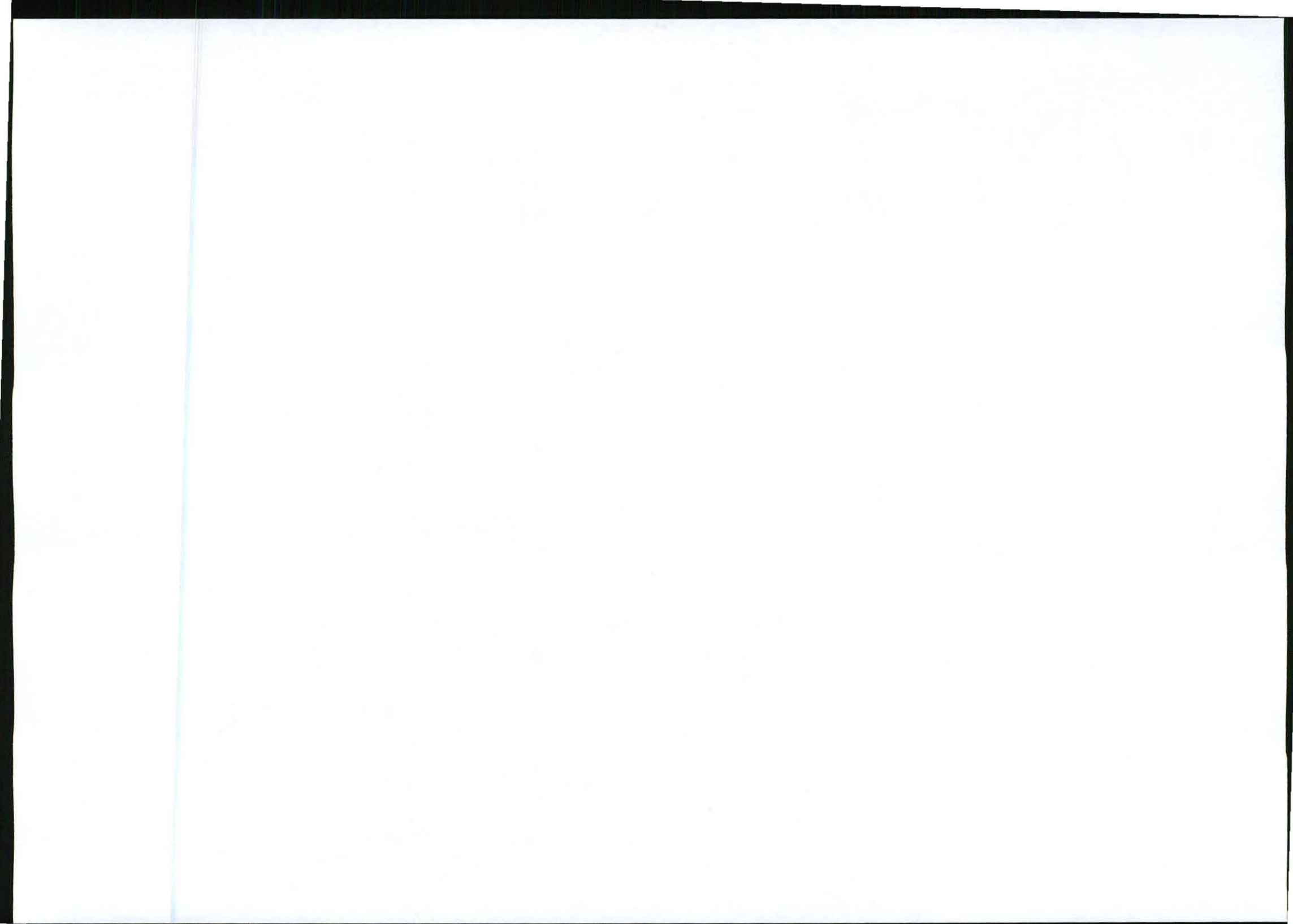
Attached hereto find the following for your information: 1. Public Participation Notice; 2. Site Development Plan; 3. Facility illustration and 4. Cadastral map.

We trust that the above attached information assists in obtaining further insight into what is proposed and what shall be considered with regard to the application. Should you need any further information please do not hesitate to contact us.

Yours faithfully,

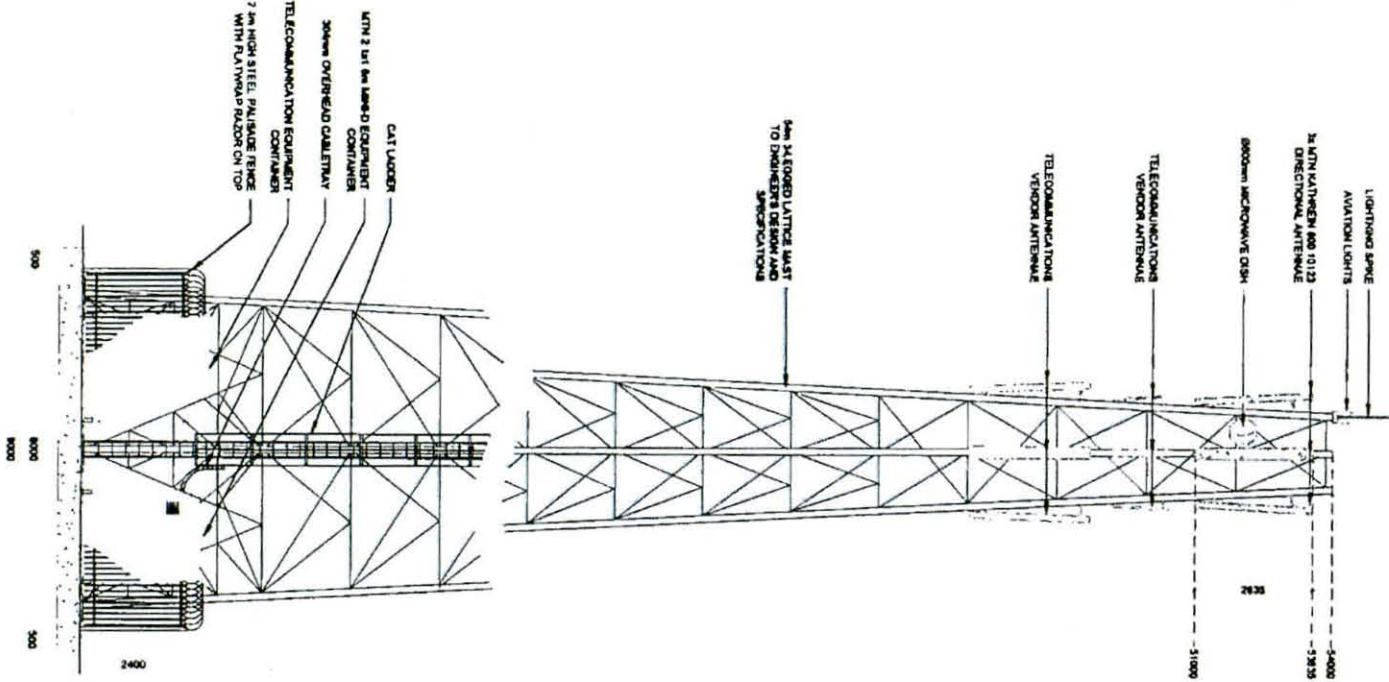
**MONICA NIEHOF**  
For: Torblouse Solutions CC





**MTN ANTENNAE KEY**

SECTOR / AZIMUTH	ANTENNA	HEIGHT - BOTTOM (m) / TLT	MECH TLT	ELEC. FEEDER FEEDER LENGTH (m)	FEEDER SIZE	TLT	FEEDER LENGTH (m)
1	KB00 10123	51			7M		4.55
2	KB00 10123	51			7M		4.55
3	KB00 10123	51			7M		4.55



**MTN**

187, Pinnacle Road  
 Level 8, Singapore 607114  
 Singapore 607114  
 Tel: +65 6733 4000  
 Fax: +65 6733 4000  
 Email: info@mtn.com.sg

**BASE STATION NUMBER**  
 19508

REV	DATE	BY	DESCRIPTION
A	09/11/2011	HAF	FIRST ISSUE

**NOTES**

CHECK AGAINST CHANGES PERIOD

**PROPERTY DESCRIPTION**  
 PORTION 3 OF THE FARM VAKFONTEIN 178 B

**COORDINATES**  
 LONG: 2E 48 01.54"E  
 LAT: 2S 05 33.57"E

**PROJECT**  
 NEW 800m TELECOMMUNICATION SUBSTATION WITH  
 A 5M LATTICE MAST FROM MTN (PTY) LTD

**ADDRESS**  
 VAKFONTEIN HENDONIA  
 834 WINDOEN OORTRIN DRAVEL ROAD  
 HENDONIA

**INFRASTRUCTURE PLANNING SERVICES**

**IP**

412 Pinnacle Road  
 Level 8  
 Singapore 607114  
 Tel: +65 6733 4000  
 Fax: +65 6733 4000  
 Email: info@ip.com.sg

**PROJECT NUMBER**  
 19508

**DESIGNER**  
 HENDONIA

**DRAWN** HENDONIA MAINTA  
**DATE** 09/11/2011  
**REF. NO.** 8127808

**SCALE** 1:100

**NORTH-EAST ELEVATION**  
**SHEET 5 OF 5**



**MTN**

287 Princes Road  
 Suite 2, Richmond Hill, Ontario  
 L4B 1R2  
 Tel: 416-709-8000  
 Fax: 416-709-8001  
 E-mail: info@mtncanada.com

**BASE STATION NUMBER**  
 19508

REV	DATE	BY	DESCRIPTION
A	02/12/2011	MM	FIRST ISSUE

**NOTES**

DRIVER SCHEMES TO MAINTAIN PERMITS

**PROJECT DESCRIPTION**  
 PORTION 3 OF THE FARM VLAKFONTEIN 178 IS

**COORDINATES**  
 LAT 28° 05' 23.27" S  
 LONG 29° 48' 01.24" E

**PROJECT**  
 NEW BROADBAND TELECOMMUNICATION SUBSTATION WITH  
 A 5M LATTICE MAST FOR RTH (PTY) LTD

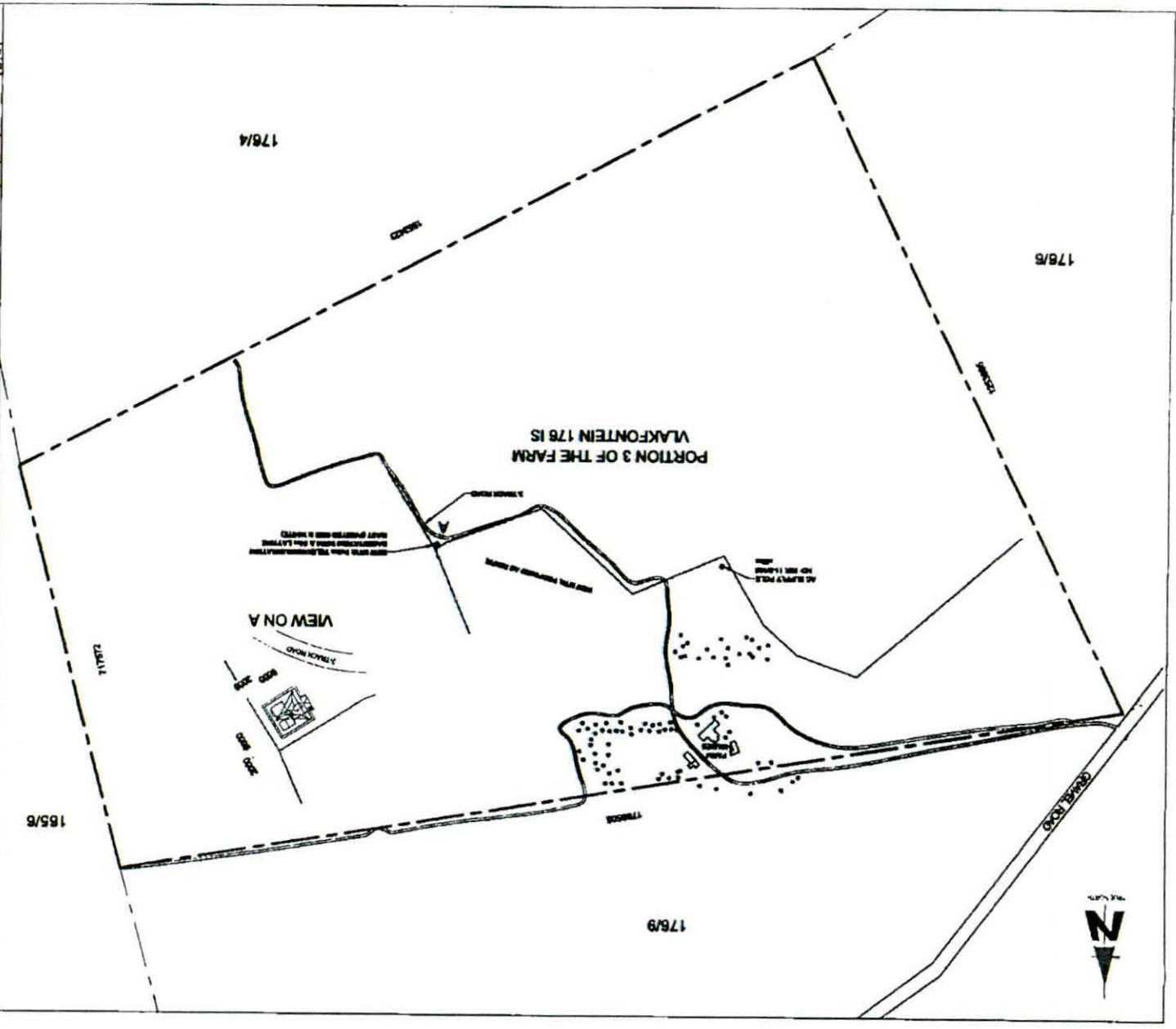
**ADDRESS**  
 VLAKFONTEIN HENDRICKA  
 FM WONDERS/ONTHEIN GRAVEL ROAD  
 HENDRICKA

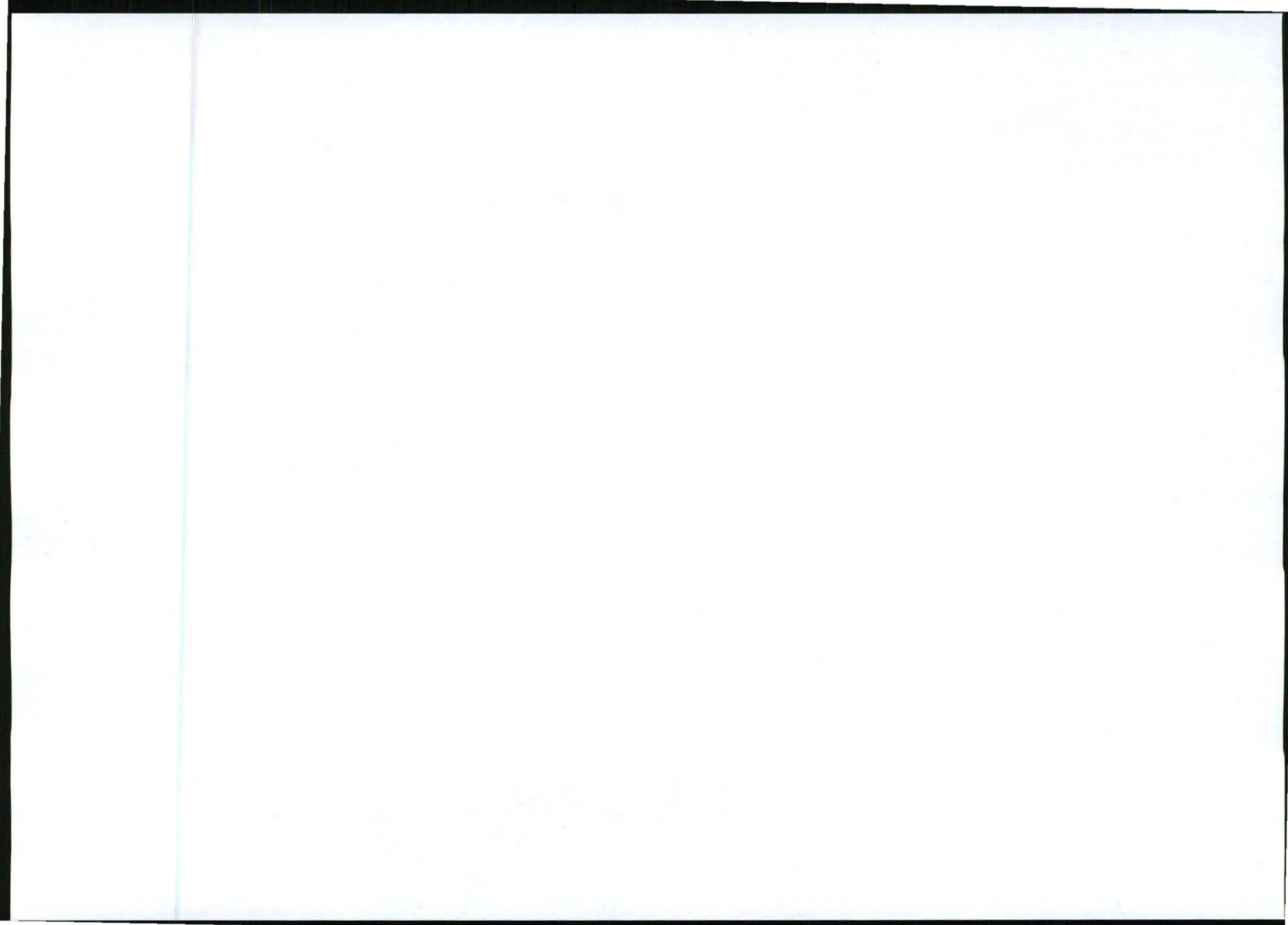
**INFRASTRUCTURE PLANNING**

1914  
 123456  
 789012

**SCALE** 1:5000  
**DATE** 02/12/2011  
**PROJECT NUMBER** 19508

**SITE DEVELOPMENT PLAN**  
**SHEET 3 OF 5**







**CAADSTRAL INFO**  
SHEET 2 OF 5

SCALE: MTR  
DRAWN: HENDRICK MAHNTA DATE: 2017/08/11  
REF. NO. 81278508

ALL WORK TO BE APPROVED ACCORDING TO MTR WITH THE  
APPROPRIATE REGULATORY AUTHORITIES  
BEFORE COMMENCING WORK  
DRAWINGS MUST NOT BE SCALED. ONLY DIMENSIONS TO BE  
USED. DIMENSIONS TO BE WORKED ON THE DRAWING. COMMENCEMENT  
DATE TO BE APPROVED BY THE MTR.

PROJECT NUMBER: 120164  
PROJECT NO.: 120164  
MTR NO.: 120164  
MTR REF. NO.: 81278508  
MTR DATE: 2017/08/11  
MTR STATUS: APPROVED

**IP**  
INFRASTRUCTURE  
PLANNING

ADDRESS: VLAARONTEN HEERENVA  
12A HONDECOONTEN DRAVEL ROAD  
HEERENVA

PROJECT: NEW 50M TELECOMMUNICATION SUBSTATION WITH  
A 5M LATTOE MAST FOR MTR (MTR) LTD

COORDINATES: LONG: 26° 48' 01.24" E  
LAT: 36° 33' 55" S

PROPERTY DESCRIPTION: PORTION 3 OF THE FARM VLAARONTEN 178 B  
STREETS COMPANY COMPANIAL

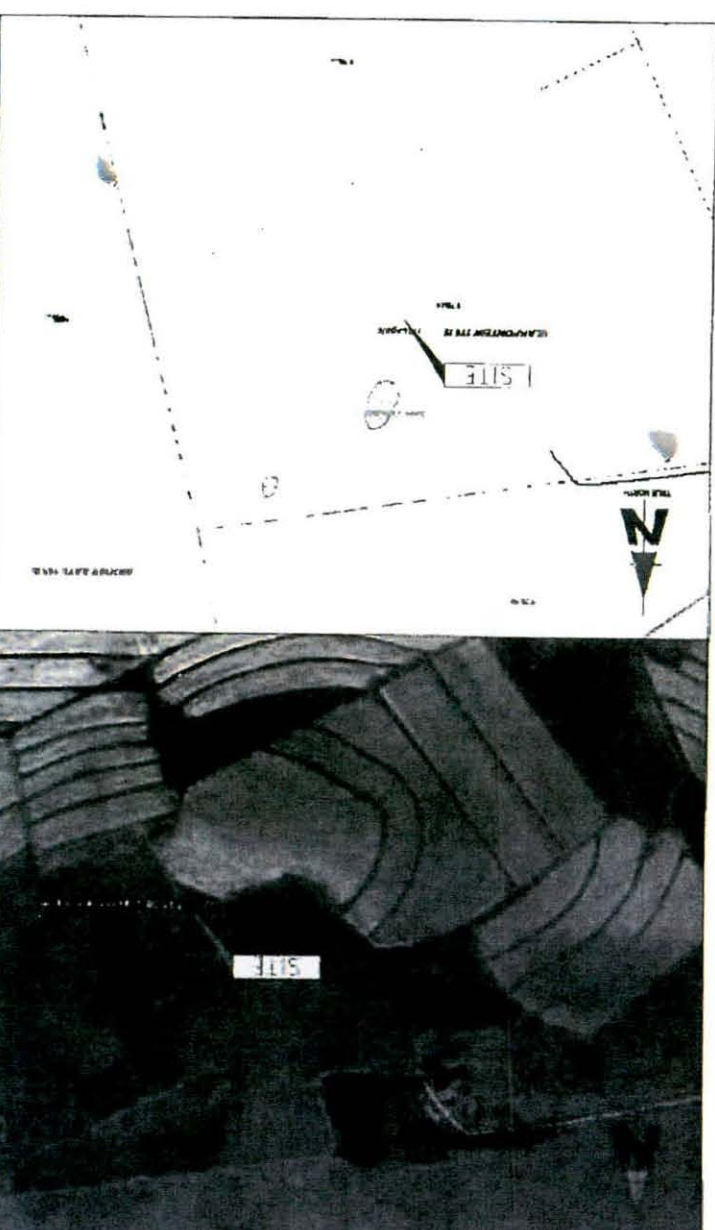
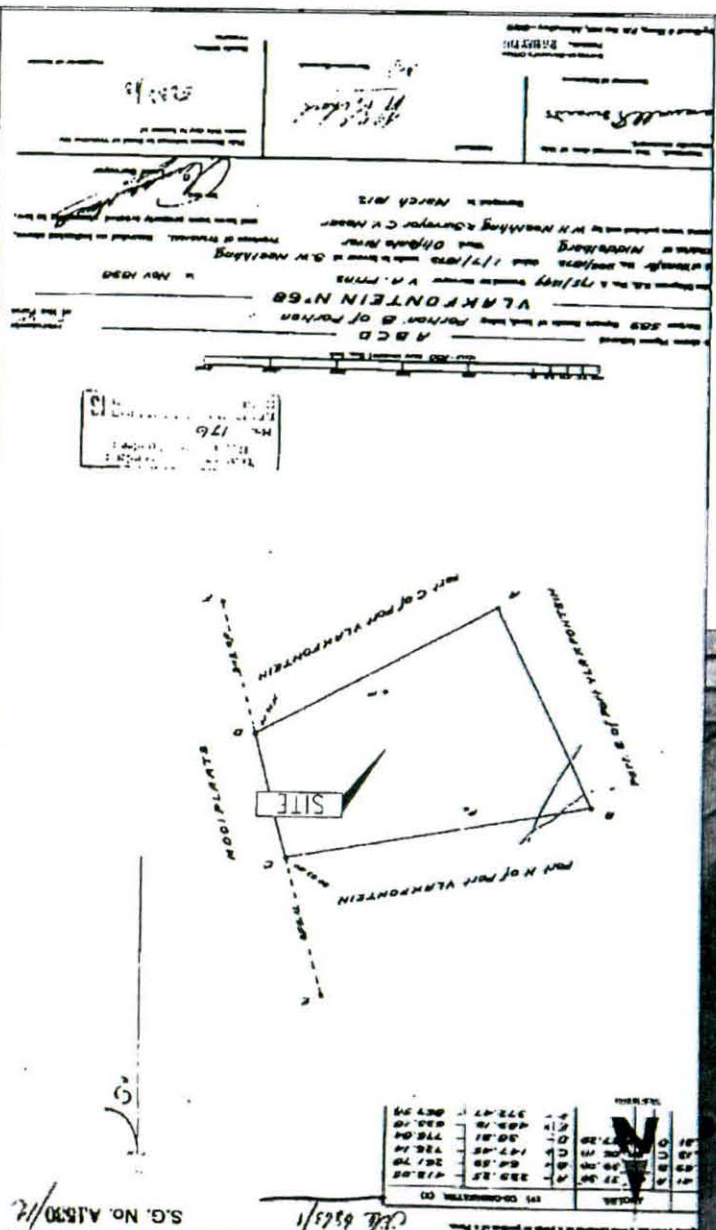
OWNER: SMOETZERS ZWAMERS METAL

REV	DATE	BY	DESCRIPTION
A	2017/08/11	MD	FINAL SCALE

BASE STATION NUMBER: T9508  
SITE NAME: VLAARONTEN FARM

121 (MTR) - 120164  
122 (MTR) - 120164  
123 (MTR) - 120164  
124 (MTR) - 120164  
125 (MTR) - 120164  
126 (MTR) - 120164  
127 (MTR) - 120164  
128 (MTR) - 120164  
129 (MTR) - 120164  
130 (MTR) - 120164

**MTN**







## PUBLIC PARTICIPATION PROCESS

Regulation 546 activity 3 (a) & (b) : (a) ii (bb), (cc) and (ee) : Establishment of an enclosed telecommunication base station with a 54m mast for MTN (Pty) Ltd: T9508 Viakfontein Farm

Location: Portion 3 of the Farm Viakfontein 176 IS

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

Alternative 1: Latitude: 26° 05' 33.55"S Longitude: 29° 18' 01.34" 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) as amended ("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) as amended to assess alternatives with regard to the planned activity.

### Applicant:

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

### Environmental Assessment Practitioner (EAP):

Torbrouse Solutions CC.

P.O. Box 32017, Totiusdal, 0134

Attention: M Niehof

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

E-mail: admin@torbrousesolutions.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.

## UHLELO LOKUHLANGANYELA KOMPHAKATHI

Umyalelo womthetho 543 umsebenzi 3 (a) & (b) : (a) ii (bb), (cc) and (ee) : Isakhiwo esiyisizinda sezokuxhumana ngocingo esivalekile se-MTN (Pty) Ltd ene-mast engama - 54m kanye nendawo (nezindawo) yokubeka impahla: T9508 Viakfontein Farm

Indawo: Portion 3 of the Farm Viakfontein 176 IS

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

Esihlukile 1: Ububanzi: 26° 05' 33.55"S Ubude: 29° 18' 01.34"E  
Induku ye-lattice ependwe ngokubomvu nokumhlophe

Ngalokhu kunikezwa isaziso senqubo yokubamba iqhaza komphakathi ngokuhambisana Nemithetho Yokuhlola Umthelela Wamandla Kwezenhlalo (i-Environmental Impact Assessment Regulations) ka-2010 (R543) njengoba ichibiyelwe yamenyezela ngokuhambisana Nemithetho Wokuphatha Ezenhlalo 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 UMnyango waseMpumalanga wezoLimo noku Thuthukiswa kweziNdawo zaseMaphandleni nokuPhathwa kwezeMihlaba.

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

### Umuntu ofaka isicelo:

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

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

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

kuqondiswe ku- W Van't Foort ,

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

I-e-meyili: admin@torbrousesolutions.co.za

Olunye ulwazi maqondana nalo msebenzi ohlongozwayo lungatholakala ku-EAP.

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





TX Result Report

P 1  
 01/02/2012 16:03  
 Serial No. A02E041005518  
 TC: 700582

Destination	Start Time	Time	Prints	Result	Note
0132497072	02-01 15:48	00:14:30	011/011	OK	

Note TX: Timer TX, POL: Polling, Org: Original, Size: Size, Setting: FME: Frame Erase TX,  
 MX: Mixed Original TX, CALL: Manual TX, CSAC: CSAC, Fwd: Forward, PC: PC-Fax,  
 BND: Double-Sided Binding Direction, sp: Special original, FCODE: F-code, RTX: Re-TX,  
 RLV: Relay, NBT: Confidential, BUL: Bulletin, BIP: BIP 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:  
 T9508 / 17/2/3 N - 123

Your Reference:

2 February 2012

The Municipal Manager  
 Steve Tehwete Local Municipality  
 P.O.Box 14  
 Middleburg  
 1080

Attention: Mr W Fouche  
 Environmental Management Section

Facsimile: (013) 249 7072  
 E-mail:



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

414 Rustic Road  
 Silvertondale, 0134  
 Pretoria

Tel: (012) 804 1504/5  
 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 1996 ("NEMA") AS AMENDED TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) II (bb), (cc) & (ee) IN REGULATION 549: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 3 OF THE FARM VLAKPONTEIN 176 IS.**

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*  
 WA VAN'T FOORT  
 For: Torbious Solutions cc

Comments:

---



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Our Reference:  
T9508 / 17/2/3 N - 123

Your Reference:

2 February 2012

The Municipal Manager  
Steve Tshwete Local Municipality  
P.O.Box 14  
Middleburg  
1050

Attention: Mr W Fouche  
Environmental Management Section

Facsimile: (013) 249 7072  
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@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 (bb), (cc) & (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 3 OF THE FARM VLAKFONTEIN 176 IS.**

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:**

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TX Result Report

P 1  
 01/02/2012 16:06  
 Serial No. A02E041005510  
 TC: 788583

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Note TXR: Timer TX, POL: Polling, ORG: Original Size Setting, FME: Frame Erase TX,  
 MRO: Mixed Original TX, CALL: Manual TX, CSAC: CSAC, FWD: Forward, PC: PC-Fax,  
 BPO: Double-Sided Binding Direction, SP: Special original, FCODE: F-code, RTX: Re-TX,  
 RL: Relay, MCR: Confidential, BUL: Bulletin, BIP: BIP 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:  
 T9508 / 17/2/3 N - 123

Your Reference:

2 February 2012

The Ward Councillor  
 Steve Tshwete Local Municipality  
 P.O.Box 14  
 Middleburg  
 1050

Attention: Cnr E F Mathebula  
 Councillor: Ward 3

Facsimile: (013) 243 2550  
 E-mail:



Reg. No. 2001/080638/23  
 PO Box 32017, Tottusdal, 0134

414 Rustic Road  
 Silvertondale, 0184  
 Pretoria

Tel: (012) 804 1804/8  
 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 (bb), (cc) & (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 3 OF THE FARM VLAKFONTEIN 176 B9.**

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*  
 WA VAN'T FOORT  
 For: Torbious Solutions cc

Comments:

---



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Our Reference:  
T9508 / 17/2/3 N - 123

Your Reference:

2 February 2012

The Ward Councillor  
Steve Tshwete Local Municipality  
P.O.Box 14  
Middleburg  
1050

Attention: Clr E F Mathebula  
Councillor: Ward 3

Facsimile: (013) 243 2550

E-mail:



Reg. No. 2001/080535/23

PO Box 32017, Totlusdal, 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 (bb), (cc) & (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 3 OF THE FARM VLAKFONTEIN 176 IS.**

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: Torbious Solutions cc

**Comments:**

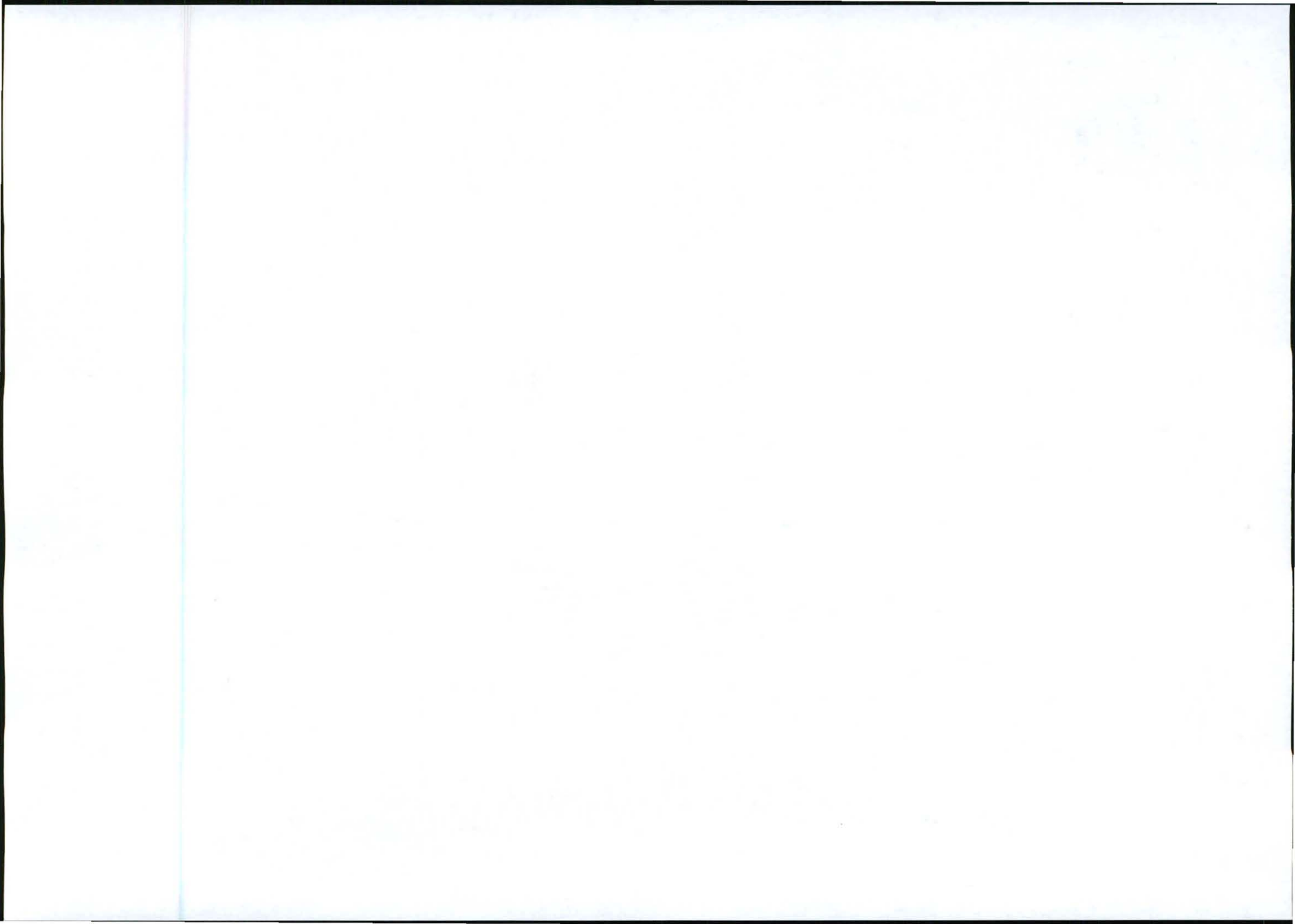
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TX Result Report

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01/02/2012 16:14  
Serial No. A02E041005518  
TC: 788584

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0132492087	02-01 16:06	00:07:33	011/011	OK	

Note TXR: Timer TX, POL: Polling, ORG: Original Size Setting, FME: Frame Erase TX,  
 MX: Mixed Original TX, CALL: Manual TX, CSAC: CSAC, FWD: Forward, PC: PC-Fax,  
 BDC: Double-Sided Binding Direction, SP: Special Original, FCODE: F-Code, RIX: Re-TX,  
 ALV: Relay, MHT: 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, WG: 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:  
T9508 / 17/2/3 N - 123

Your Reference:

2 February 2012

The Municipal Manager  
Nkangala District Municipality  
P.O.Box 437  
Middleburg  
1050

Attention: Mr T.C.Makola  
Environmental Management Section

Facsimile: (013) 240 2087  
E-mail:



Reg. No. 2001/060636/23  
PO Box 32017, Tetusdal, 0134

414 Rustic Road  
Silvertondale, 0184  
Pretoria

Tel: (012) 804 1504/5  
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 (bb), (cc) & (ee) IN REGULATION 548: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 3 OF THE FARM VLAKFONTEIN 178 IS.**

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 Vant Foort*  
WA VANT FOORT  
For: Torbious Solutions cc

Comments:

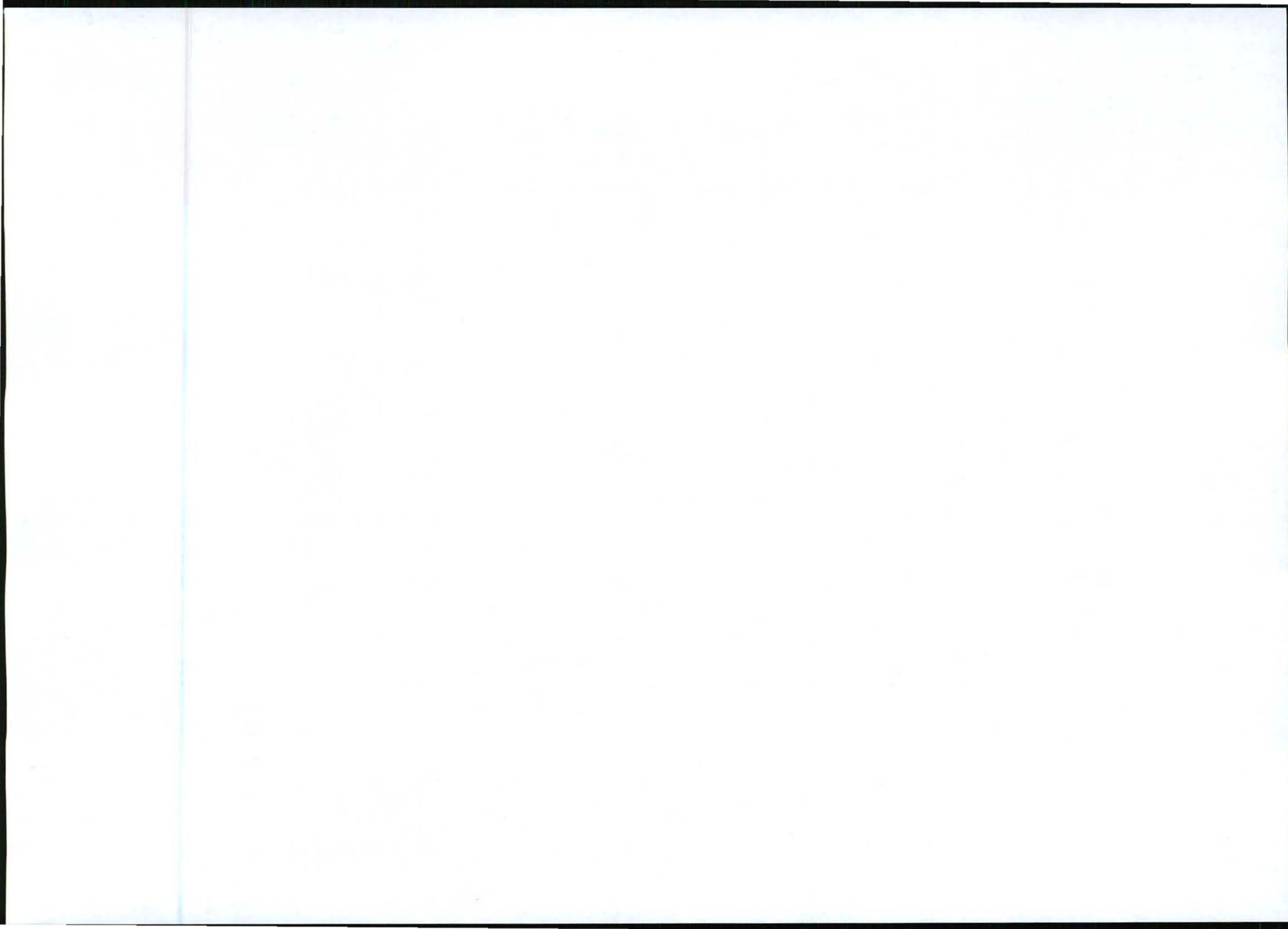
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Our Reference:  
T9508 / 17/2/3 N - 123

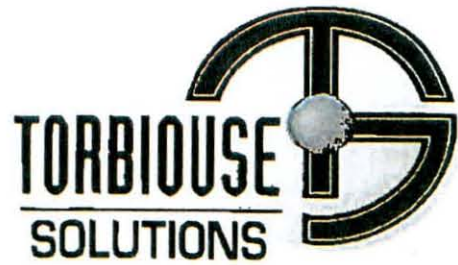
Your Reference:

2 February 2012

The Municipal Manager  
Nkangala District Municipality  
P.O.Box 437  
Middleburg  
1050

Attention: Mr T.C.Makola  
Environmental Management Section

Facsimile: (013) 249 2087  
E-mail:



Reg. No. 2001/080535/23

PO Box 32017, Totlusdal, 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 (bb), (cc) & (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 3 OF THE FARM VLAKFONTEIN 176 IS.**

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

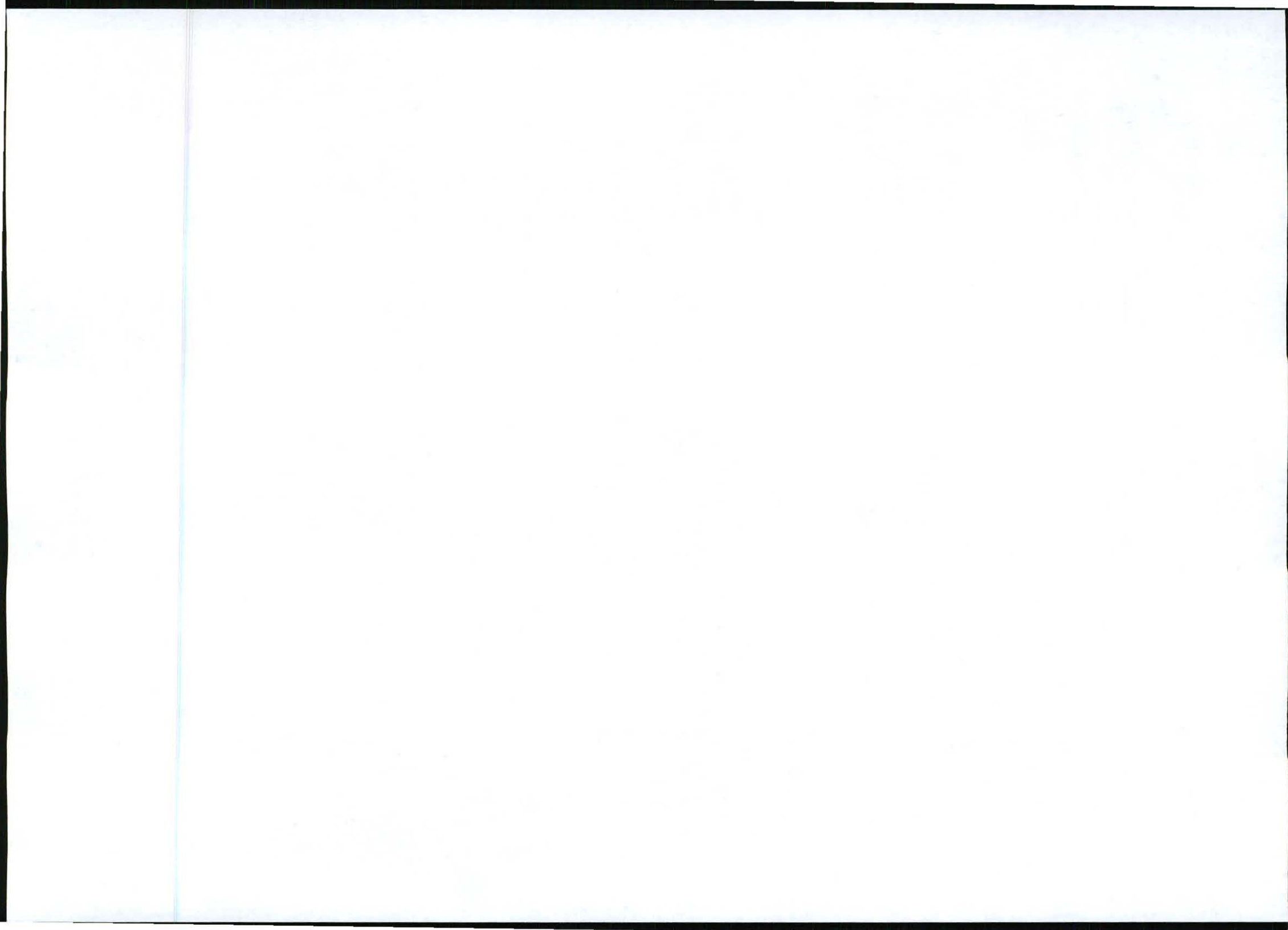
**Comments:**

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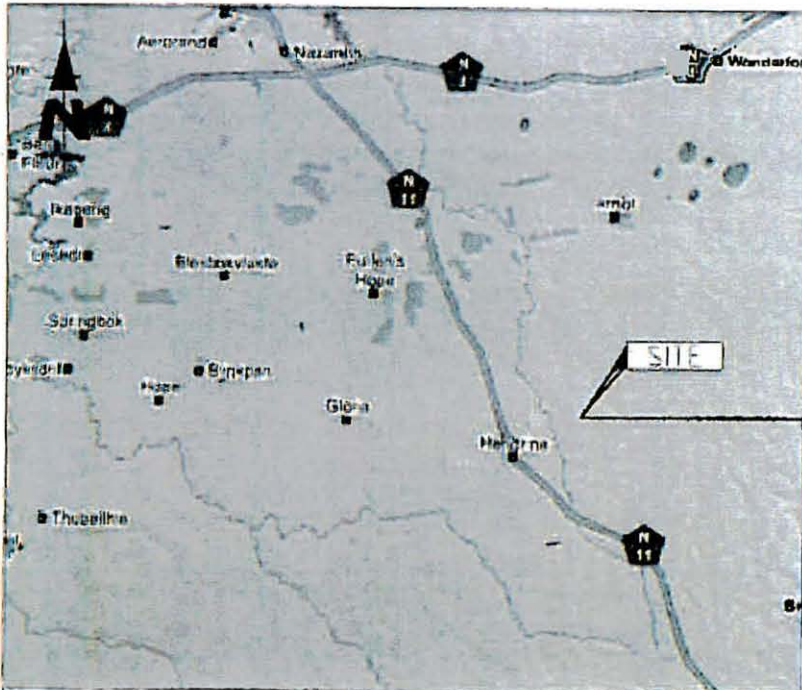
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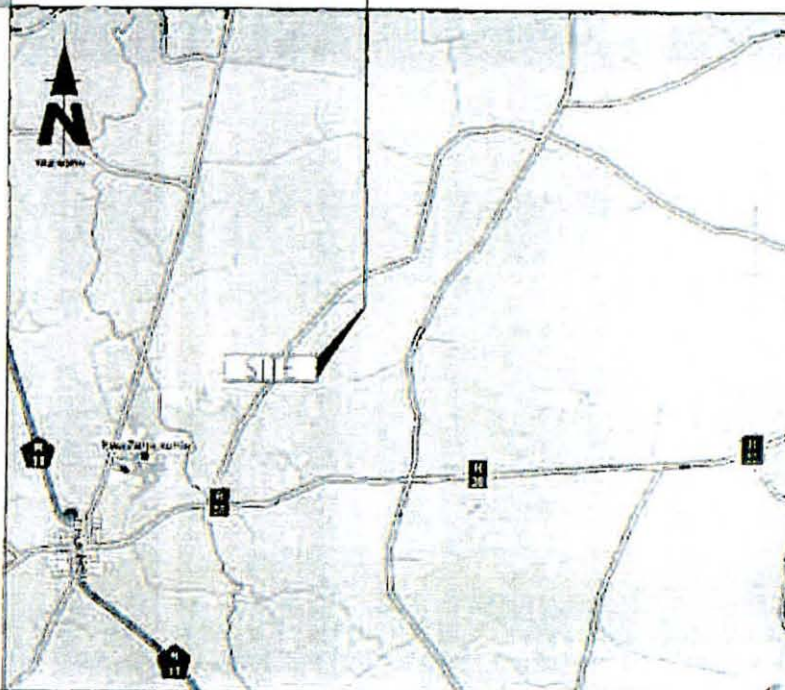
---







**T9508**  
VLAKFONTEIN FARM



1267 Protea Street  
Block B, Highveld Campus  
Johannesburg 2002  
Tel: +27 (12) 542 2800  
Fax: +27 (12) 542 8008  
Postal Suite 140  
Private Bag 215  
Maboneng

**SITE NAME**  
VLAKFONTEIN FARM

**BASE STATION NUMBER**  
T9508

REV	DATE	BY	DESCRIPTION
A	21/11/2011	MY	FIRST ISSUE

**NOTES**  
OWNER: SCHREFFERS JOHANNES PETRUS

STRICTLY COMPANY CONFIDENTIAL

**PROPERTY DESCRIPTION**  
PORTION 3 OF THE FARM VLAKFONTEIN 176 IS

**COORDINATES**  
LAT 28° 05' 33.55" S  
LONG 29° 48' 01.34" E

**PROJECT**  
NEW 30m TELECOMMUNICATION BASESTATION WITH  
A 54m LATTICE MAST FOR MTN (PTY) LTD

**ADDRESS**  
VLAKFONTEIN HENDRINA,  
R34 WONDERFONTEIN GRAVEL ROAD  
HENDRINA  
MPUMALANGA



414 Rooda Road  
Shuterstad  
0184  
Tel: +27 (12) 804 9848  
Fax: +27 (12) 804 7972  
info@ipsplan.co.za  
P.O. Box 32017  
Tollfree  
0134

**RFQ NO.**  
152058

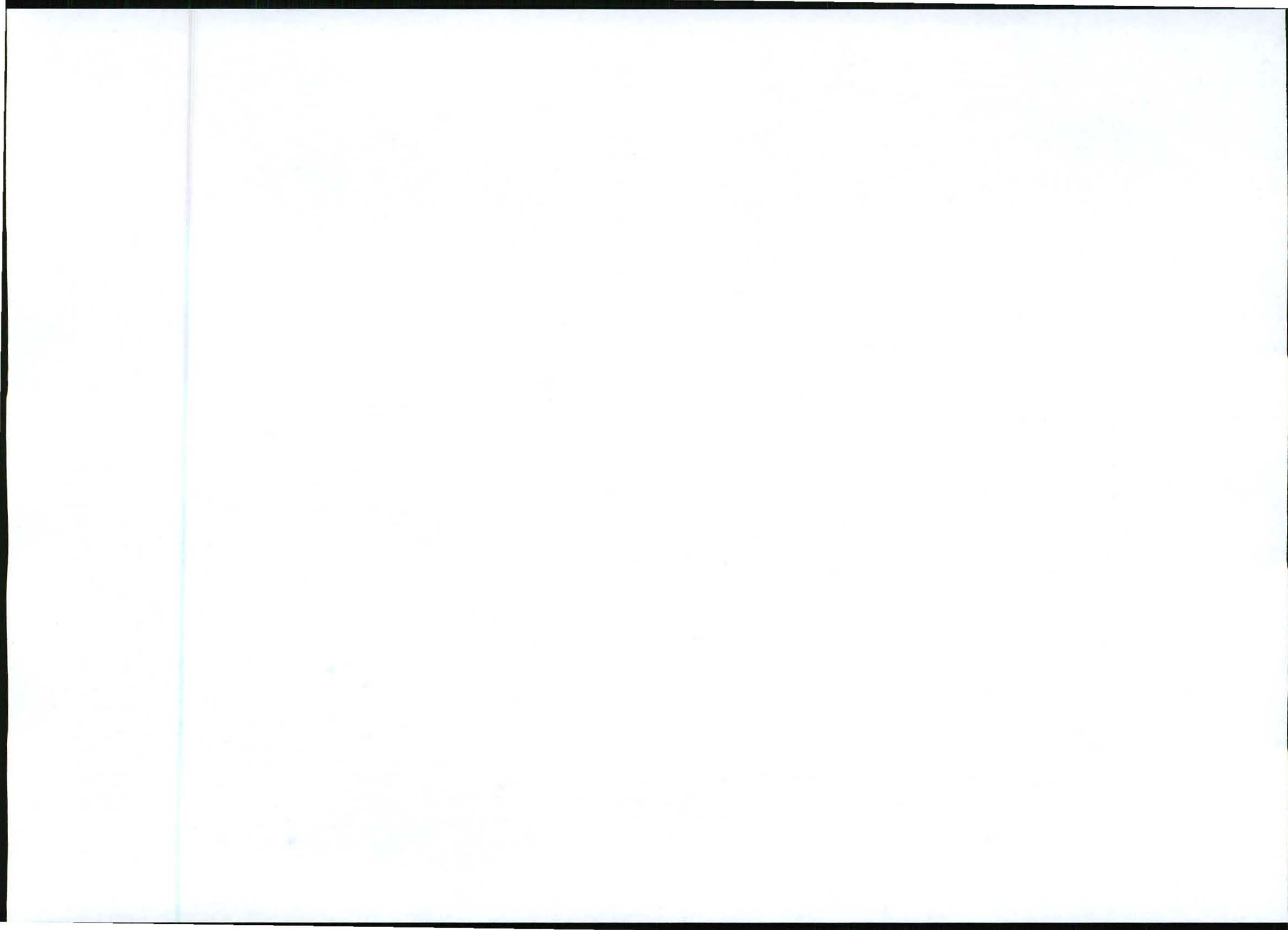
**PROJECT NUMBER**  
120184

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 BYS SITE  
INFRASTRUCTURE SPECIFICATION 08/11/2009  
ISSUE 1 REVISION 8 NOVEMBER 2009

**DRAWN** MELISEA YOUNG **DATE** 21/11/2011

**SCALE** NTS **REF NO** 812/79508

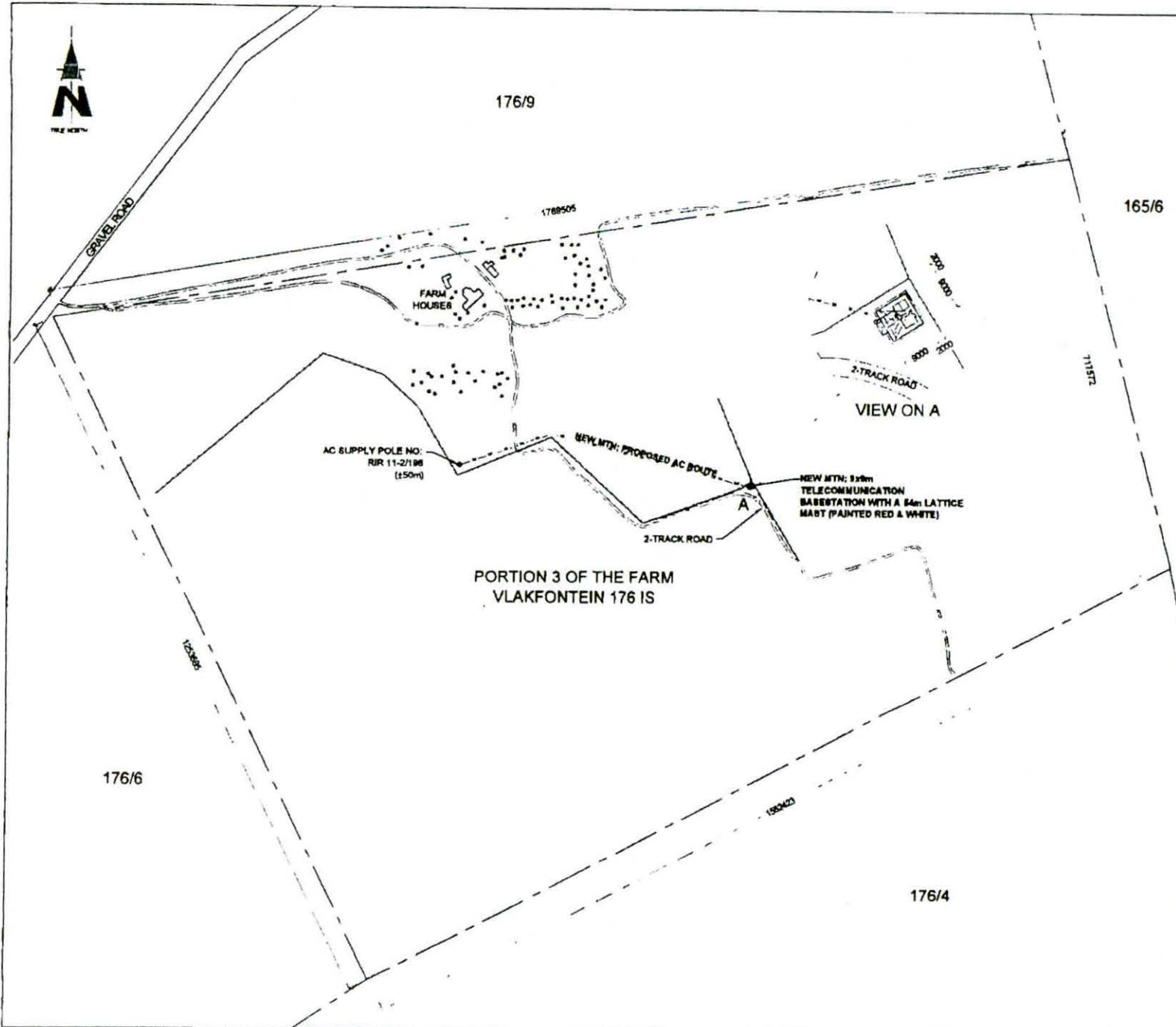
**LOCALITY MAP**  
**SHEET 1 OF 10**











1247 Pretoria Street  
 0181  
 Tel: +27 (12) 542 3000  
 Fax: +27 (12) 542 3250  
 Physical Status: 1:48  
 Planning Reg: 217  
 Month: Park

SITE NAME <b>VLAKFONTEIN FARM</b>			
BASE STATION NUMBER <b>T9508</b>			
REV	DATE	BY	DESCRIPTION
A	21/11/2011	MY	FIRST ISSUE

NOTES  
 OWNER: SCHWEPERS JOHANNES PETRUS  
 STRICTLY COMPANY CONFIDENTIAL

PROPERTY DESCRIPTION  
 PORTION 3 OF THE FARM VLAKFONTEIN 176 IS

COORDINATES  
 LAT: 29° 05' 33.55" S  
 LONG: 29° 48' 01.34" E

PROJECT  
 NEW 9x9m TELECOMMUNICATION BASESTATION WITH A 54m LATTICE MAST FOR MTN (PTY) LTD

ADDRESS  
 VLAKFONTEIN HENDRINA,  
 R34 WONDERFONTEIN GRAVEL ROAD,  
 HENDRINA,  
 MPLMALANGA

**INFRASTRUCTURE PLANNING SERVICES** 

114 Pacific Place  
 Johannesburg  
 2014  
 Tel: +27 (12) 804 18048  
 Fax: +27 (12) 804 1072  
 info@infrastructure.co.za  
 P.O. Box 32017  
 Tlokweng  
 0154

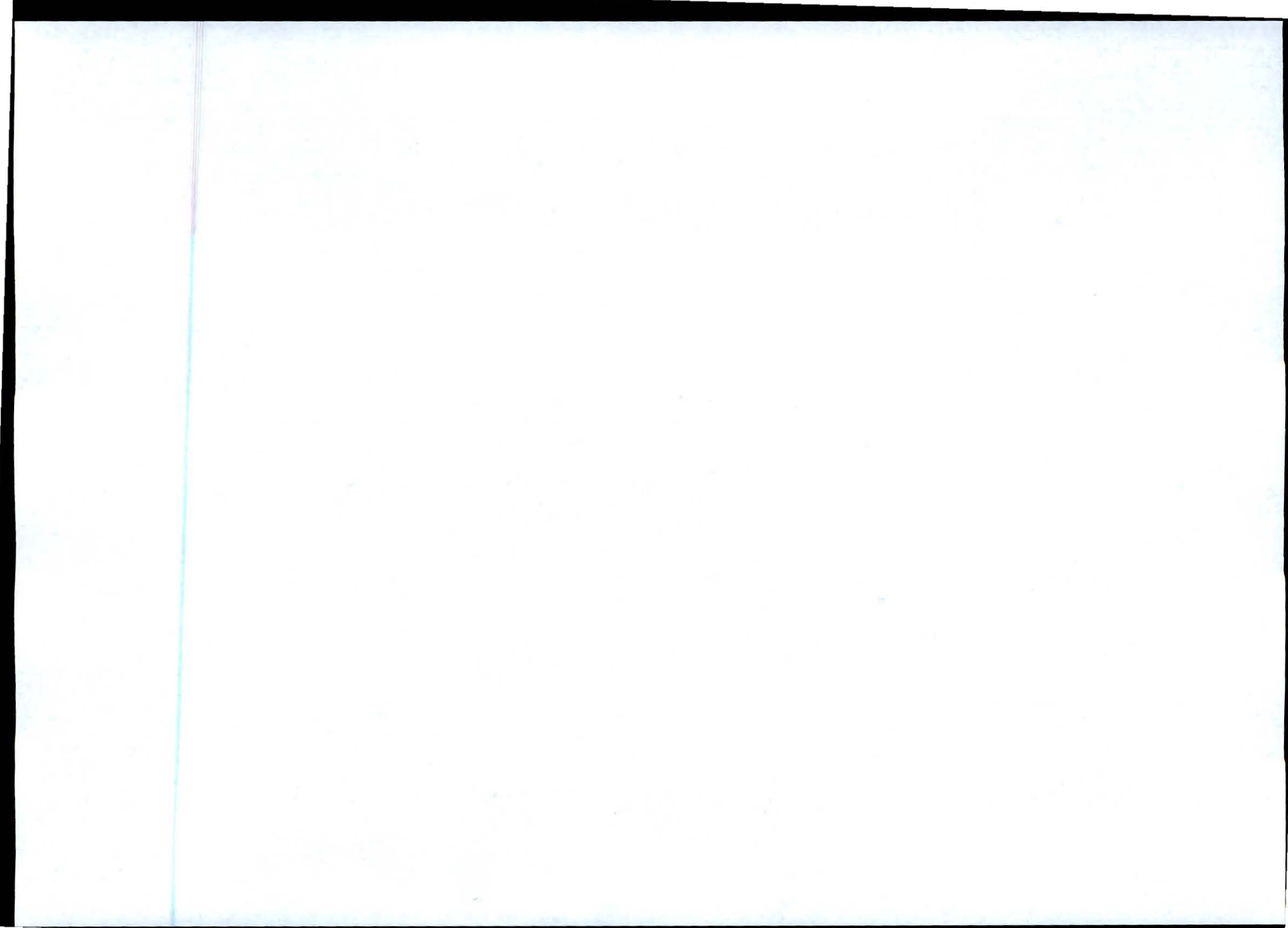
RFQ NO  
 152058  
 PROJECT NUMBER  
 120184

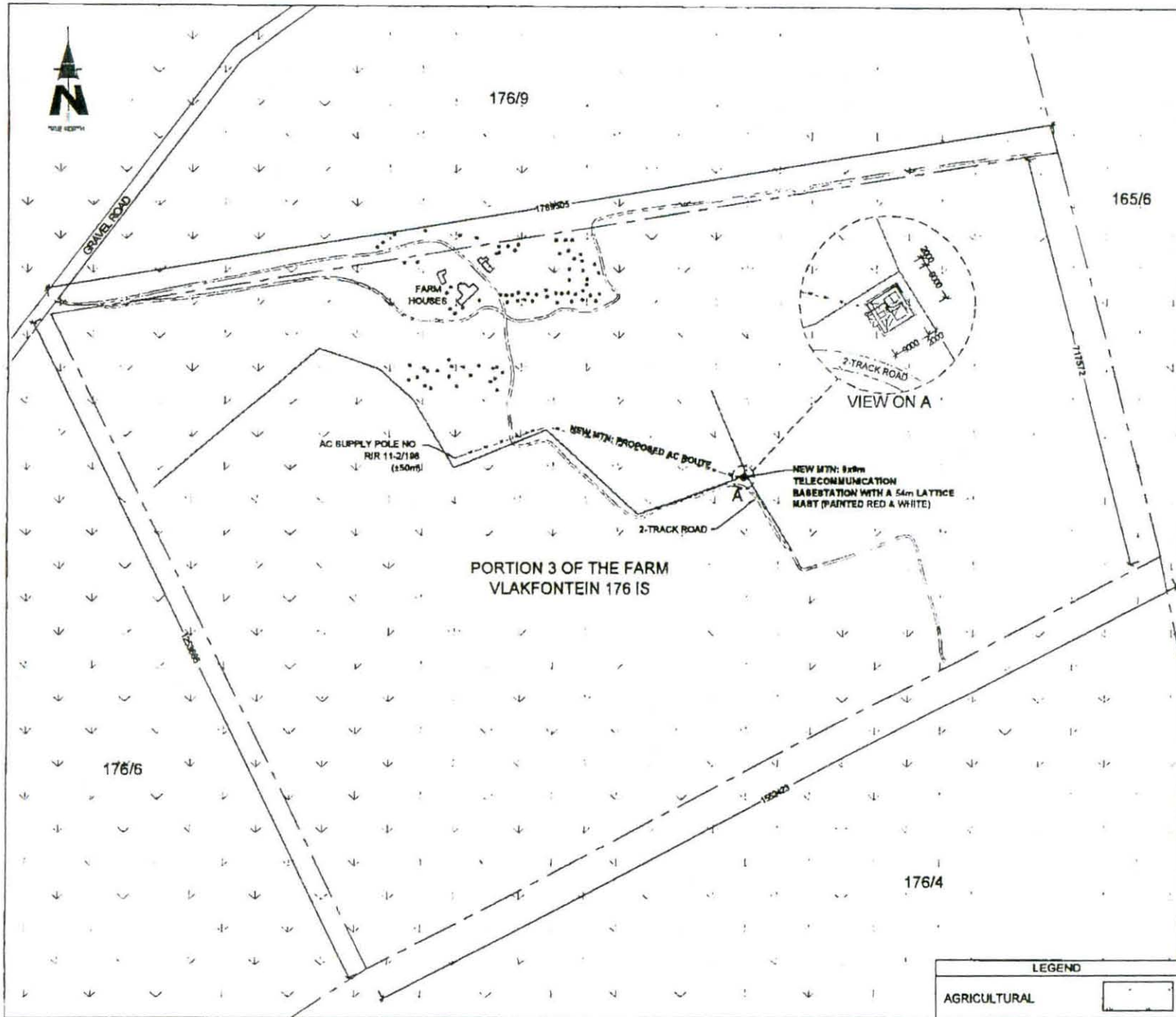
DRAWINGS MUST NOT BE SCALED. ONLY PROVIDED DIMENSIONS TO BE USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT OF WORK.  
 ALL WORK TO BE PERFORMED ACCORDING TO MTN SITE INFRASTRUCTURE SPECIFICATION #801/1001  
 SCALE: 1 NOVEMBER 2007

DRAWN: MELISSA YOUNG DATE: 21/11/2011  
 SCALE: 1:5000 REF. NO: 812/T9508

**SITE DEVELOPMENT PLAN  
 SHEET 3 OF 10**







1287 Protea Street  
Black 9, Midrand Centre  
Midrand, 2008  
Tel: +27 (11) 343 3800  
Fax: +27 (11) 343 9206  
Private Bag 146  
Midrand 2015  
Mobile First

SITE NAME <b>VLAKFONTEIN FARM</b>			
BASE STATION NUMBER <b>T9508</b>			
REV	DATE	BY	DESCRIPTION
A	21/11/2011	MY	FIRST ISSUE

NOTES  
OWNER: SCHIEPERS JOHANNES PETRUS

STRICTLY COMPANY CONFIDENTIAL

PROPERTY DESCRIPTION  
PORTION 3 OF THE FARM VLAKFONTEIN 176 IS

COORDINATES  
LAT 28° 05' 33.55" S  
LONG 29° 48' 01.34" E

PROJECT  
NEW 9x9m TELECOMMUNICATION BASESTATION WITH A 54m LATTICE MAST FOR MTN (PTY) LTD

ADDRESS  
VLAKFONTEIN HENDRINA  
R34 WONDERFONTEIN GRAVEL ROAD  
HENDRINA  
MPUMALANGA

INFRASTRUCTURE PLANNING SERVICES 

414 Roodie Road  
Edmoreville  
Pretoria  
Tel: +27 (11) 854 15048  
Fax: +27 (11) 854 7972  
info@infrastructure.co.za

P.O. Box 22917  
Tembisa  
0124


RFQ NO  
152056

PROJECT NUMBER  
120184

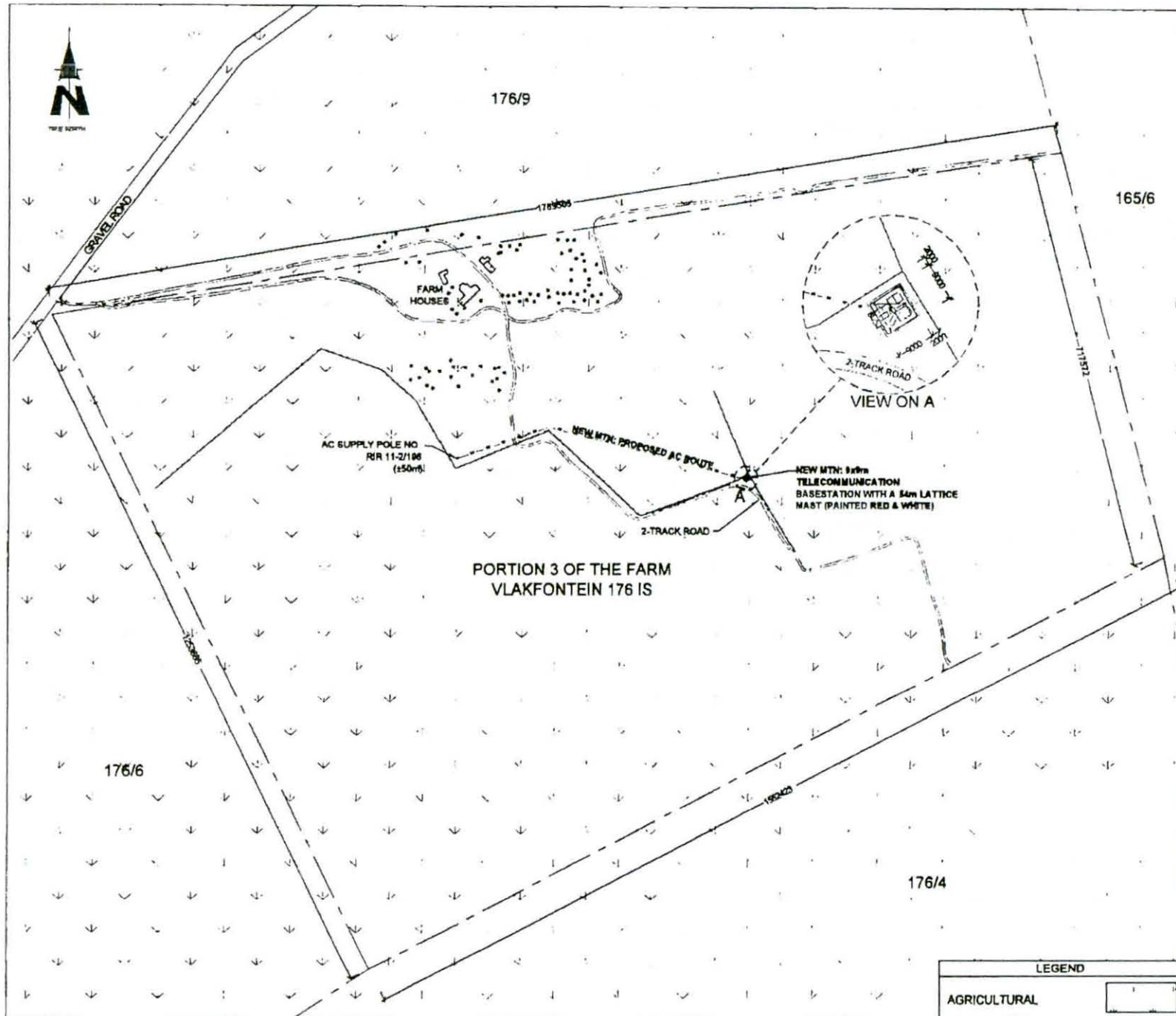
DRAWINGS MUST NOT BE SCALED. ONLY MEASURED DIMENSIONS TO BE USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT OF WORK.  
ALL WORK TO BE PERFORMED ACCORDING TO MTN SITE INFRASTRUCTURE SPECIFICATION (MST/11/09) TABLE 1 PROVISION 6 NOVEMBER 2007

DRAWN: MELISSA YOUNG DATE: 21/11/2011  
SCALE: 1:5000 REF NO: 812/T9508

ZONING MAP SHEET 4 OF 10

LEGEND	
AGRICULTURAL	





1267 Pretoria Street  
 Block 8, Maitland Centre  
 Maitland, 6001  
 Tel: +27 (11) 343 2800  
 Fax: +27 (11) 343 9308  
 Postal Code: 7401  
 Private Bag 2115  
 Maitland, 6001

SITE NAME <b>VLAKFONTEIN FARM</b>			
BASE STATION NUMBER <b>T9508</b>			
REV	DATE	BY	DESCRIPTION
A	21/11/2011	MY	FIRST ISSUE

NOTES  
 OWNER: SCHWEPERS JOHANNES PETRUS

STRICTLY COMPANY CONFIDENTIAL  
 PROPERTY DESCRIPTION  
 PORTION 3 OF THE FARM VLAKFONTEIN 176 IS

COORDINATES  
 LAT: 28° 05' 33.65" S  
 LONG: 29° 48' 01.34" E

PROJECT  
 NEW 6x9m TELECOMMUNICATION BASESTATION WITH  
 A 54m LATTICE MAST FOR MTN (PTY) LTD

ADDRESS  
 VLAKFONTEIN HENDRINA,  
 R34 WINDERFONTEIN GRAVEL ROAD,  
 HENDRINA,  
 MPUMALANGA

INFRASTRUCTURE PLANNING SERVICES

414 Riebeeck Road  
 Sandtonville  
 0184  
 Tel: +27 (11) 804 1804  
 Fax: +27 (11) 804 7072  
 info@ipstrust.co.za  
 P.O. Box 32017  
 Tlokweng  
 0134

RFQ NO  
 152058  
 PROJECT NUMBER  
 120184

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 SPECIFICATION 8001/1001  
 SCALE: 1:1000000 & 1:1000000

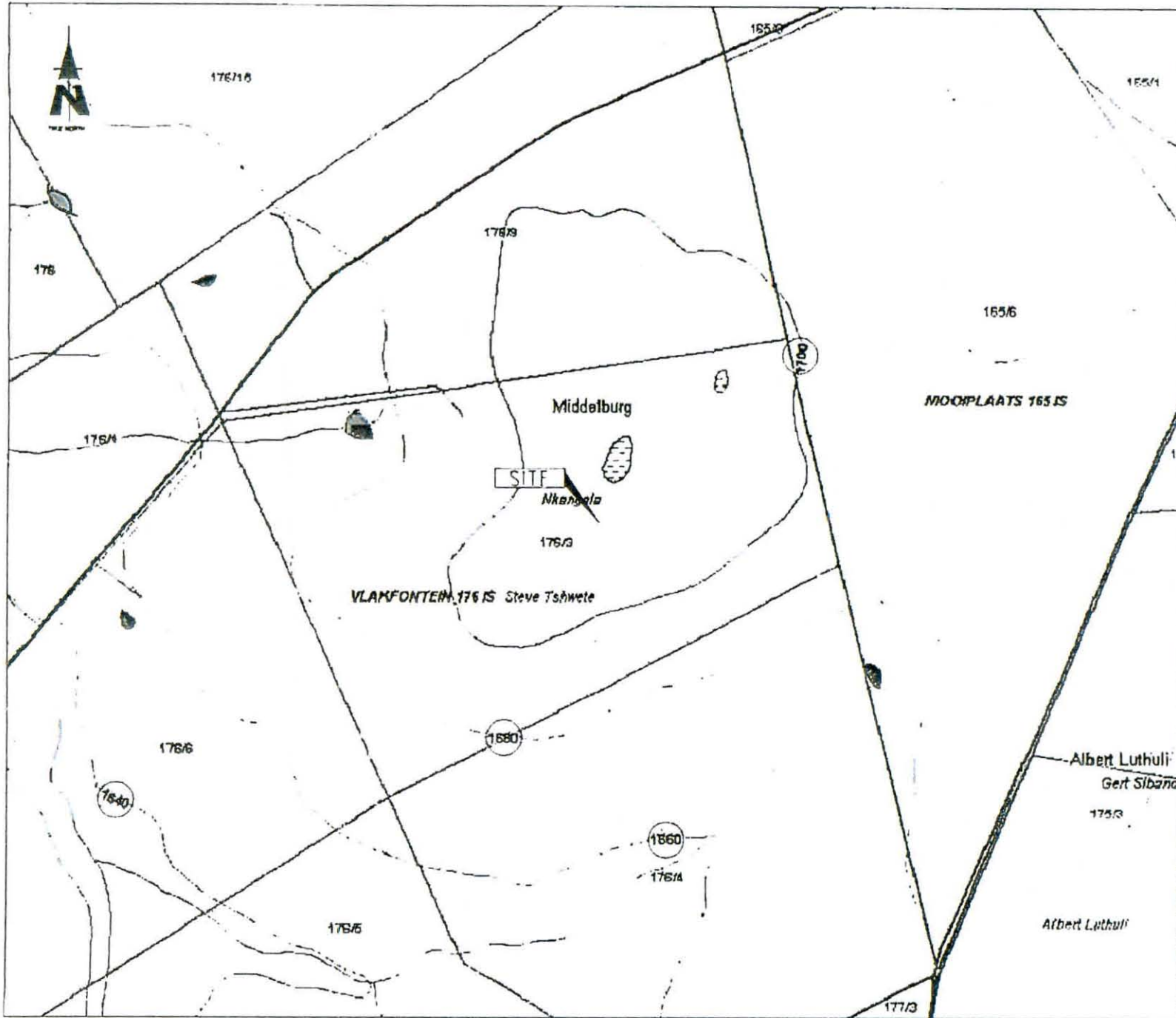
DRAWN: MELISSA YOUNG  
 SCALE: 1:5000  
 DATE: 21/11/2011  
 REF. NO: 813/T9508

LEGEND	
AGRICULTURAL	

CURRENT LAND USE  
 SHEET 5 OF 10







1207 Protea Street  
 Beach & Houtboshe Complex  
 Halfway, 6001  
 Tel: +27 (0) 31 343 2000  
 Fax: +27 (0) 31 347 8774  
 Printed Scale 1:40  
 Project No. 115  
 Month: Feb.

SITE NAME			
VLAKFONTEIN FARM			
BASE STATION NUMBER			
T9508			
REV	DATE	BY	DESCRIPTION
A	21/11/2011	MY	FIRST ISSUE

NOTES  
 OMBER SKEPERS JOHANNES PETRUS

STRICTLY COMPANY CONFIDENTIAL

PROPERTY DESCRIPTION  
 PORTION 3 OF THE FARM VLAKFONTEIN 176 IS

COORDINATES  
 LAT 26° 05' 33.55" S  
 LONG 29° 48' 01.34" E

PROJECT  
 NEW 800m TELECOMMUNICATION BASESTATION WITH  
 A 54m LATTICE MAST FOR MTN (PTY) LTD

ADDRESS  
 VLAKFONTEIN HENDRIKA,  
 R34 WONDERFONTEIN GRAVEL ROAD,  
 HENDRIKA,  
 MPUMALANGA

INFRASTRUCTURE PLANNING SERVICES 

414 Roodi Road  
 Sandton  
 2008  
 Tel: +27 (0) 854 12040  
 Fax: +27 (0) 854 7072  
 info@ips.co.za  
 P.O. Box 10017  
 Sandton  
 2013

REF NO  
 152058

PROJECT NUMBER  
 120164

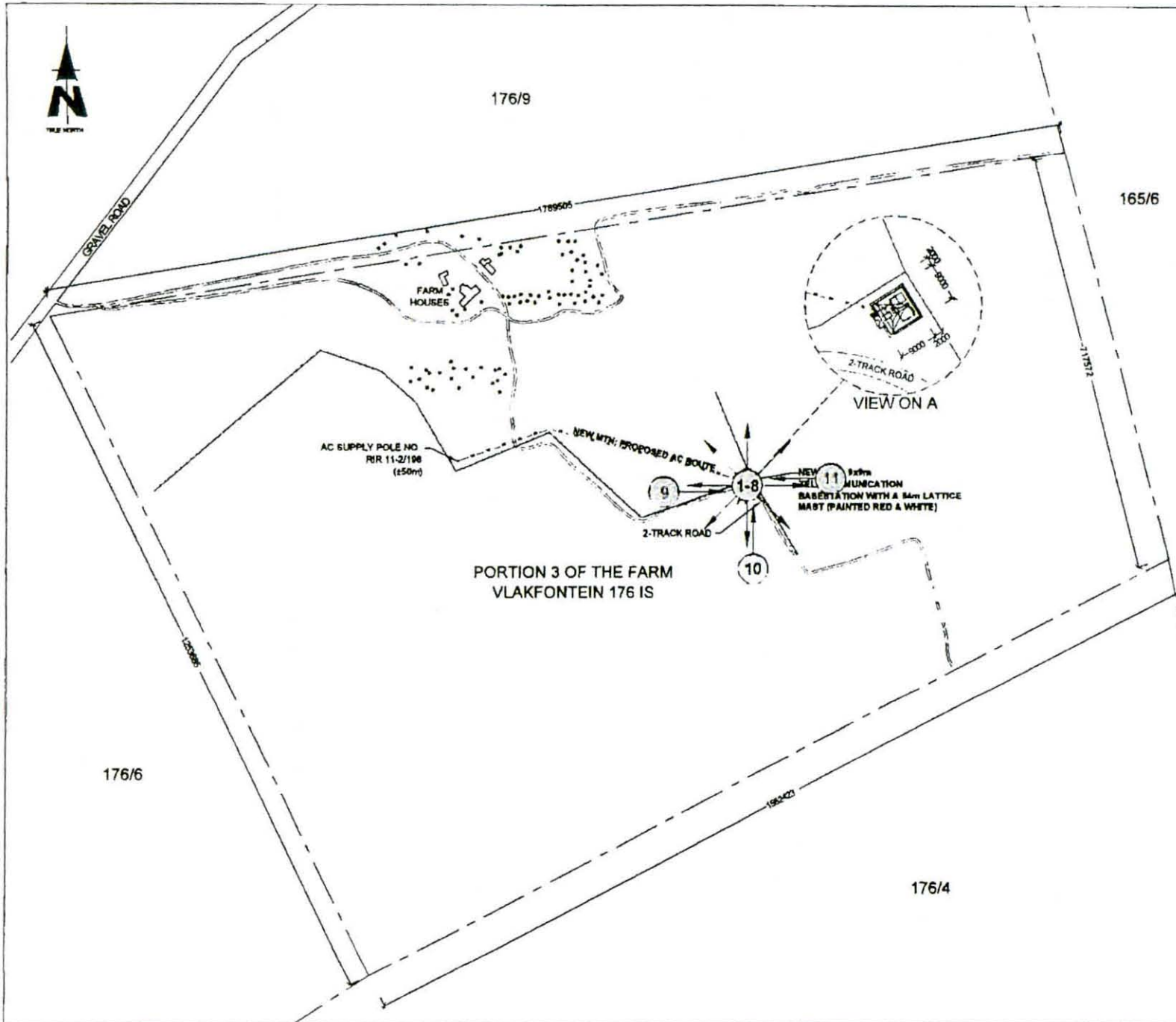
DRAWING MUST NOT BE SCALED. ONLY DIMENSIONS TO BE  
 USED DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT  
 OF WORK.  
 ALL WORK TO BE PERFORMED ACCORDING TO MTN SITE  
 INFRASTRUCTURE SPECIFICATION R001/001  
 ISSUE 1 REVISION 9 NOVEMBER 2007

DRAWN MELISSA YOUNG DATE 21/11/2011

SCALE NTS REF. NO 812/T9508

CONTOUR INTERVAL  
 SHEET 6 OF 10





1287 Pretorius Street  
 Block B, Midrand Campus  
 Midrand, 2008  
 Tel: +27 (0) 11 807 1000  
 Fax: +27 (0) 11 843 9100  
 Pretorius Bldg 146  
 Pretorius Bldg 215  
 Midrand Park

**SITE NAME**  
VLAKFONTEIN FARM

**BASE STATION NUMBER**  
T9508

REV	DATE	BY	DESCRIPTION
A	21/11/2011	MY	FIRST ISSUE

**NOTES**  
OWNER: SCHEEPERS JOHANNES PETRUS

STRICTLY COMPANY CONFIDENTIAL

**PROPERTY DESCRIPTION**  
PORTION 3 OF THE FARM VLAKFONTEIN 176 IS

**COORDINATES**  
 LAT: 26° 05' 33.55" S  
 LONG: 28° 48' 01.34" E

**PROJECT**  
NEW 8x8m TELECOMMUNICATION BASESTATION WITH A 54m LATTICE MAST FOR MTN (PTY) LTD

**ADDRESS**  
 VLAKFONTEIN HENDRINA  
 R34 WONDERFONTEIN GRAVEL ROAD  
 HENDRINA  
 MPUMALANGA

**INFRASTRUCTURE PLANNING SERVICES**

414 Roodie Road  
 Steynburg  
 0184  
 Tel: +27 (0) 854 18848  
 Fax: +27 (0) 854 2973  
 info@ipsplan.co.za  
 P.O. Box 33917  
 Tokai  
 0151

**RFO NO**  
152058

**PROJECT NUMBER**  
120164

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 MTH SITE INFRASTRUCTURE SPECIFICATION (REV 1/07)  
 ISSUE 1 REVISION 6 NOVEMBER 2007

**DRAWN:** MELISSA YOUNG  
**DATE:** 21/11/2011  
**SCALE:** 1:5000  
**REF NO:** E12/T9508

**SITE PHOTOGRAPHS**  
SHEET 7 OF 10







1987 Prosperitas Street  
Block 6, Heidelberg Campus  
Heidelberg, 6001  
Tel: +27 (12) 842 2900  
Fax: +27 (12) 243 6000  
Postal Suite 148  
Private Bag 819  
Meyers Park

SITE NAME			
VLAKFONTEIN FARM			
BASE STATION NUMBER			
T9508			
REV	DATE	BY	DESCRIPTION
A	21/11/2011	MY	FIRST ISSUE

NOTES  
OWNER: SCHEEPERS JOHANNES PETRUS

STRICTLY COMPANY CONFIDENTIAL

PROPERTY DESCRIPTION  
PORTION 3 OF THE FARM VLAKFONTEIN 176 IS

COORDINATES  
LAT: 28° 05' 33.55" E  
LONG: 29° 48' 01.34" E

PROJECT  
NEW 9x9m TELECOMMUNICATION BASESTATION WITH A 54m LATTICE MAST FOR MTN (PTY) LTD

ADDRESS  
VLAKFONTEIN HENDRINA,  
R34 WOODERFONTEIN GRAVEL ROAD,  
HENDRINA,  
MPUMALANGA

INFRASTRUCTURE PLANNING SERVICES

414 Roodie Road  
Edenburg  
0164  
Tel: +27 (12) 884 16848  
Fax: +27 (12) 884 7073  
edens@infpsa.net.za  
P.O. Box 32917  
Toll-free  
0134

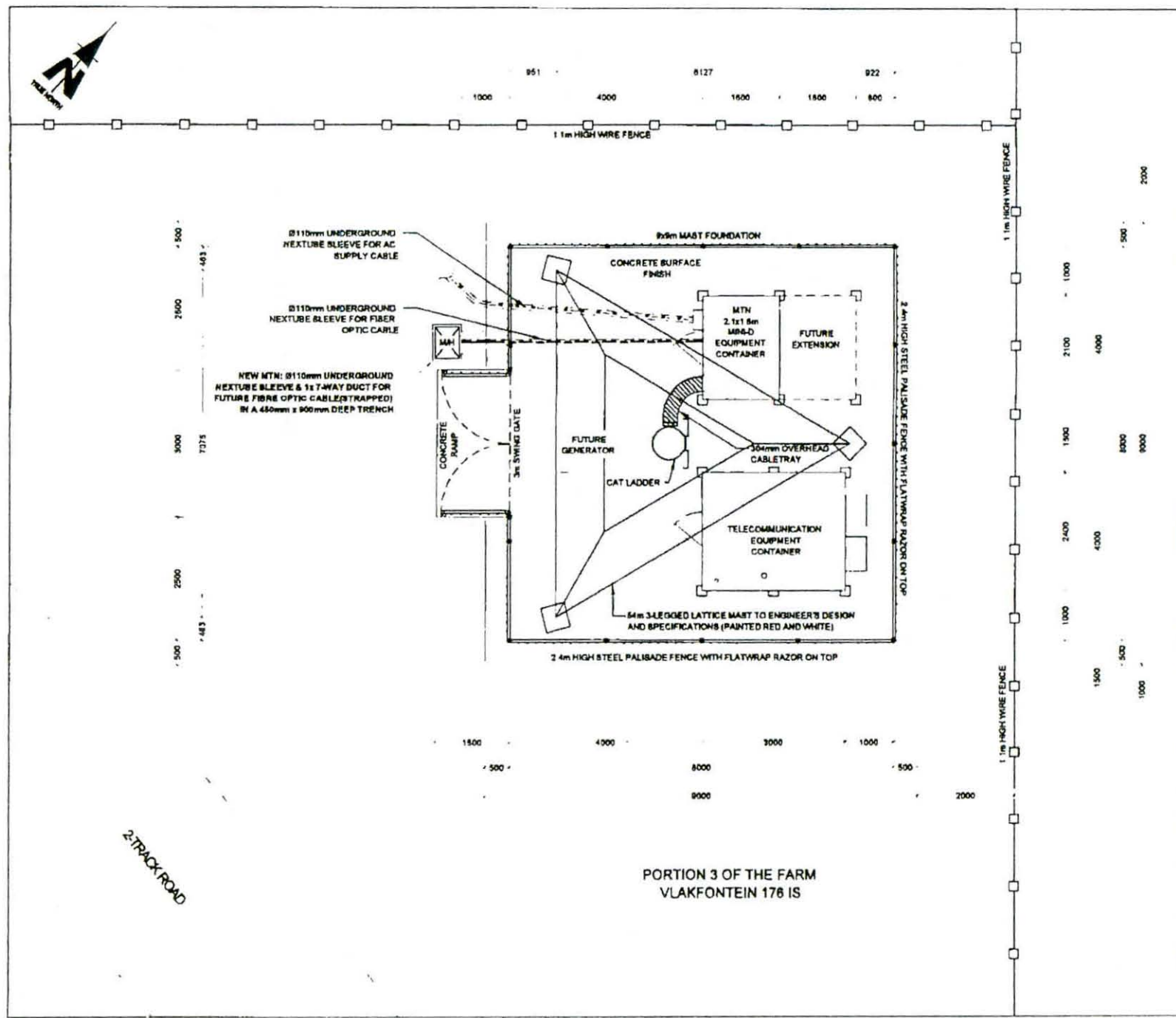
REF NO  
152058

PROJECT NUMBER  
120184

DRAWINGS MUST NOT BE SCALED. ONLY DIMENSIONS TO BE USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT OF WORK.  
ALL WORK TO BE IN ACCORDANCE WITH THE SOUTH AFRICAN NATIONAL STANDARD FOR THE STRUCTURE, LIFE OF INSTALLATION AND TESTING OF TELECOMMUNICATION MASTS.  
TABLE 1 REVISION: 6 NOVEMBER 2007

DRAWN: MELISSA YOUNG DATE: 21/11/2011  
SCALE: 1:75 REF NO: 812/T9508

SITE DETAIL  
SHEET 8 OF 10







**MTN ANTENNAE KEY**

SECTOR	AZIMUTH	ANTENNA	HEIGHT - BOTTOM (m)	MECH. TILT	ELEC. TILT	FEEDER SIZE	FEEDER LENGTH (m)
1	80°	K800 10123	51			7/8"	± 55
2	180°	K800 10123	51			7/8"	± 55
3	300°	K800 10123	51			7/8"	± 55



1287 Pretoria Street  
 2nd & 3rd Floors  
 Halford 0087  
 Tel: +27 (12) 462 0000  
 Fax: +27 (12) 343 8200  
 Private Bag 119  
 Midrand

**SITE NAME**  
**VLAKFONTEIN FARM**

**BASE STATION NUMBER**  
**T9508**

REV	DATE	BY	DESCRIPTION
A	21/11/2011	MY	FIRST ISSUE

**NOTES**  
 OWNER: SCHEEPERS JOHANNES PETRUS

STRICTLY COMPANY CONFIDENTIAL  
 PROPERTY DESCRIPTION  
 PORTION 3 OF THE FARM VLAKFONTEIN 176 IS

**COORDINATES**  
 LAT: 28° 06' 33.55" S  
 LONG: 29° 48' 01.34" E

**PROJECT**  
 NEW 829m TELECOMMUNICATION BASESTATION WITH  
 A 54m LATTICE MAST FOR MTN (PTY) LTD

**ADDRESS**  
 VLAKFONTEIN HENDRINA  
 R34 WINDERFONTEIN GRAVEL ROAD  
 HENDRINA  
 MPUMALANGA

**INFRASTRUCTURE PLANNING SERVICES**

414 Riebeeck Road  
 Midrand 1684  
 Tel: +27 (12) 804 7894  
 Fax: +27 (12) 804 7979  
 info@infrastructure.co.za  
 P.O. Box 52917  
 Johannesburg  
 20134

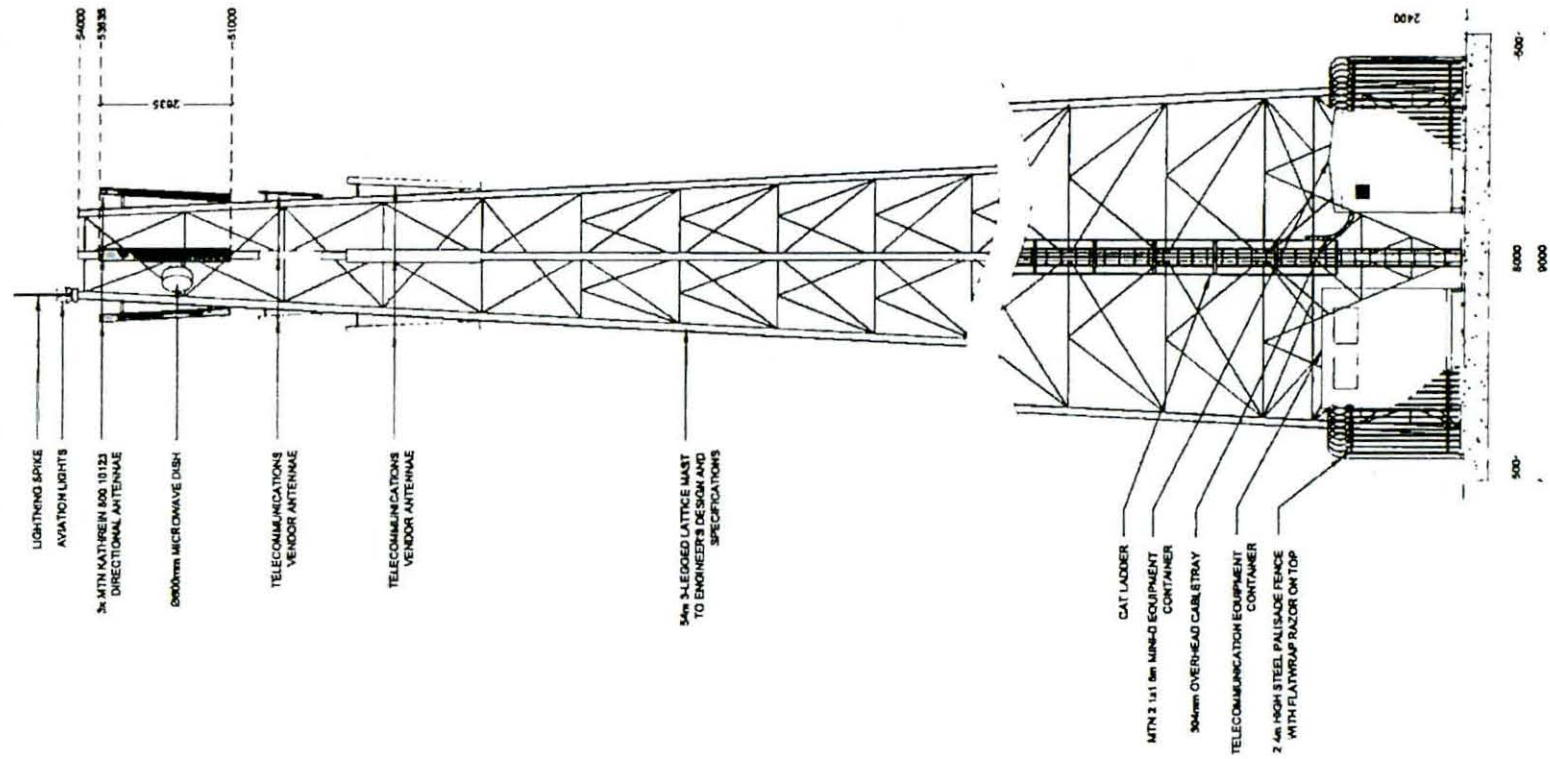
**RFO NO**  
 152058

**PROJECT NUMBER**  
 120154

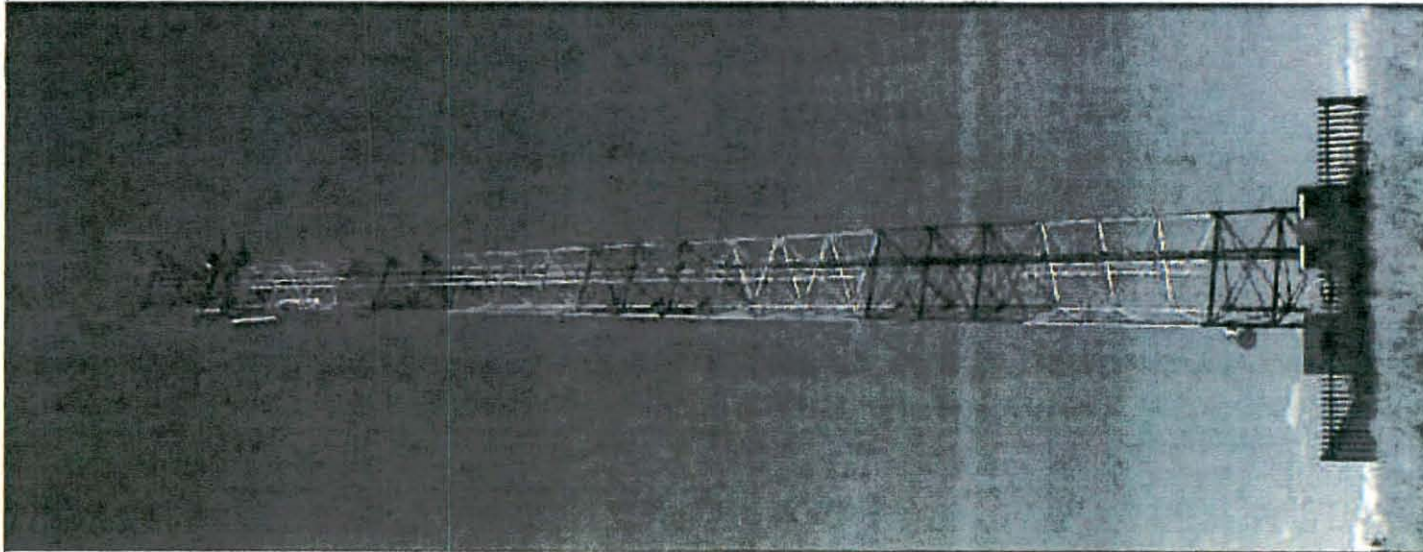
**DRAWN** MELISSA YOUNG  
**DATE** 21/11/2011

**SCALE** 1:100  
**REF. NO** 812/T9508

**NORTH-EAST ELEVATION**  
**SHEET 9 OF 10**







TYPICAL 3-LEGGED LATTICE MAST  
(PAINTED RED & WHITE)



1267 Protea Avenue, Tel. +27 (12) 343 2800, Postal Suite 140  
 Black & Main/Johns Computer, Fax +27 (12) 342 9930, P.O. Box 815  
 Midrand, 2008, Midrand Park

SITE NAME  
**VLAKFONTEIN FARM**

BASE STATION NUMBER  
**T9508**

REV	DATE	BY	DESCRIPTION
A	21/11/2011	MY	FIRST ISSUE

NOTES  
 OWNER: SCHEEPERS JOHANNES PETRUS

STRICTLY COMPANY CONFIDENTIAL

PROPERTY DESCRIPTION  
 PORTION 3 OF THE FARM VLAKFONTEIN 176 IS

COORDINATES  
 LAT 28° 05' 33 55" S  
 LONG 28° 48' 01 34" E

PROJECT  
 NEW 8x8m TELECOMMUNICATION BASESTATION WITH  
 A 54m LATTICE MAST FOR MTN (PTY) LTD

ADDRESS  
 VLAKFONTEIN HENDRINA,  
 R34 WINDERFONTEIN GRAVEL ROAD,  
 HENDRINA,  
 MPUMALANGA

INFRASTRUCTURE PLANNING SERVICES 

444 Route 64, Tel. +27 (12) 884 1804, P.O. Box 32017  
 Midrand, Fax +27 (12) 884 2072, Johannesburg, 2014

RFQ NO.  
 152055

PROJECT NUMBER  
 120164

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 875 875  
 INFRASTRUCTURE SPECIFICATION 8501-1504  
 ISSUE 1 REVISION 8 NOVEMBER 2007

DRAWN: MELISSA YOUNG DATE: 21/11/2011

SCALE: NTS REF. NO: 812/18008

FACILITY ILLUSTRATION  
 SHEET 10 OF 10





**REGISTERED LETTER** T9508  
**GEREGISTREERDE BRIEF**



(with an insurance option/met 'n versekeringsopsie)

**Full tracking and tracing/Volledige volg en spoor**

Addressed to/Geadresseer aan

SAHRA  
 P O Box 4637  
 Cape Town

Postcode  
 8000

The value of the contents of this letter is as indicated and compensation is not payable for a letter received unconditionally. Compensation is limited to R100.00. No compensation is payable without documentary proof. Opsionele versekering tot R2 000.00 is wettig en beskikbaar vir oorsake van geregistreeerde briewe slegs.

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

Postage paid R \_\_\_\_\_ c  
 Service fee / Diensgeld R \_\_\_\_\_ c  
 Insurance / Versekering R \_\_\_\_\_ c  
 Total / Totaal R \_\_\_\_\_ c

Insured value of contents  
 Versekerde waarde van inhoud R \_\_\_\_\_ c

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

Initial of  
 accepting  
 officer

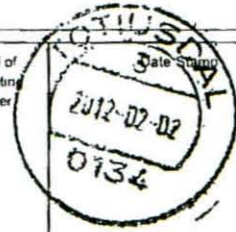
Affix Track and Trace  
 aangehef kopie

**REGISTERED LETTER**  
 (with a domestic insurance option)  
 ShareCall 6860 111 507 www.spo.co.za  
**RD 604 456 675 ZA**

Paraaf van  
 aaneem-  
 beampte

CUSTOMER COPY 301028R

Datumstempel



L:006/L:006/P:006/011/011/011 781281



Our Reference:  
T9508 / 17/2/3 N - 123

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 (cc) & (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 3 OF THE FARM VLAKFONTEIN 176 IS.**

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 **Portion 3 of the Farm Vlakfontein 176 IS**

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: Torbious Solutions CC





## PUBLIC PARTICIPATION PROCESS

REFERENCE NUMBER: 17/2/3 N - 123

Regulation 546 activity 3 (a) & (b) : (a) ii (bb), (cc) & (ee) : Establishment of an enclosed telecommunication base station with a 54m mast for MTN (Pty) Ltd: **T9508 Vlakfontein Farm**

Location: **Portion 3 of the Farm Vlakfontein 176 IS**

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

**Alternative 1: Latitude: 26° 05' 33.55"S Longitude: 29° 18' 01.34" 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") as amended.

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):**

Torbiose Solutions CC.

P.O. Box 32017, Totiusdal, 0134

Attention: : Monica Niehof

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

E-mail: [admin@infraplan.co.za](mailto:admin@infraplan.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**

## UHQLELO LOKUHLANGANYELA KOMPHAKATHI

INOMBOLO YEREFERENSI: 17/2/3 N - 123

Umyalelo womthetho 546 umsebenzi 3 (a) & (b) : (a) ii (bb), (cc) & (ee) : Isakhiwo esiyisizinda sezokuxhumana ngocingo esivalekile se-MTN (Pty) Ltd ene-mast engama-54m kanye nendawo (nezindawo) yokubeka impahla: **T9508 Vlakfontein Farm**

Indawo: **Portion 3 of the Farm Vlakfontein 176 IS**

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

**Eshlukile 1: Ububanzi: 26° 05' 33.55"S Ubude: 29° 18' 01.34" E**  
**Induku ye -lattice ependwe ngokubomvu nokumhlophe**

Ngalokhu kunikezwa isaziso senqubo yokubamba iqhaza komphakathi ngokuhambisana Nemithetho Yokuhlola Umthelela Wamandla Kwezenhlalo (I-Environmental Impact Assessment Regulations) ka-2010 (R543) njengoba ichibiyelwe yamenyezela ngokuhambisana Nomthetho Wokuphatha Ezenhlalo Kuzwelonke (I-National Environmental Management Act) ka-1998 (Umthetho weNombolo-107 ka-1998) njengoba uchibiyelwe (I-"NEMA"). Izinqubo ezizisisekelo 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 zokuqhubeka nomsebenzi ohleliwe.

**Umntu ofaka isicelo:**

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

**Isisebenzi Eshlola Ezemvelo (Environmental Assessment Practitioner (EAP)):**

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

kuqondiswe ku- Monica Niehof

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

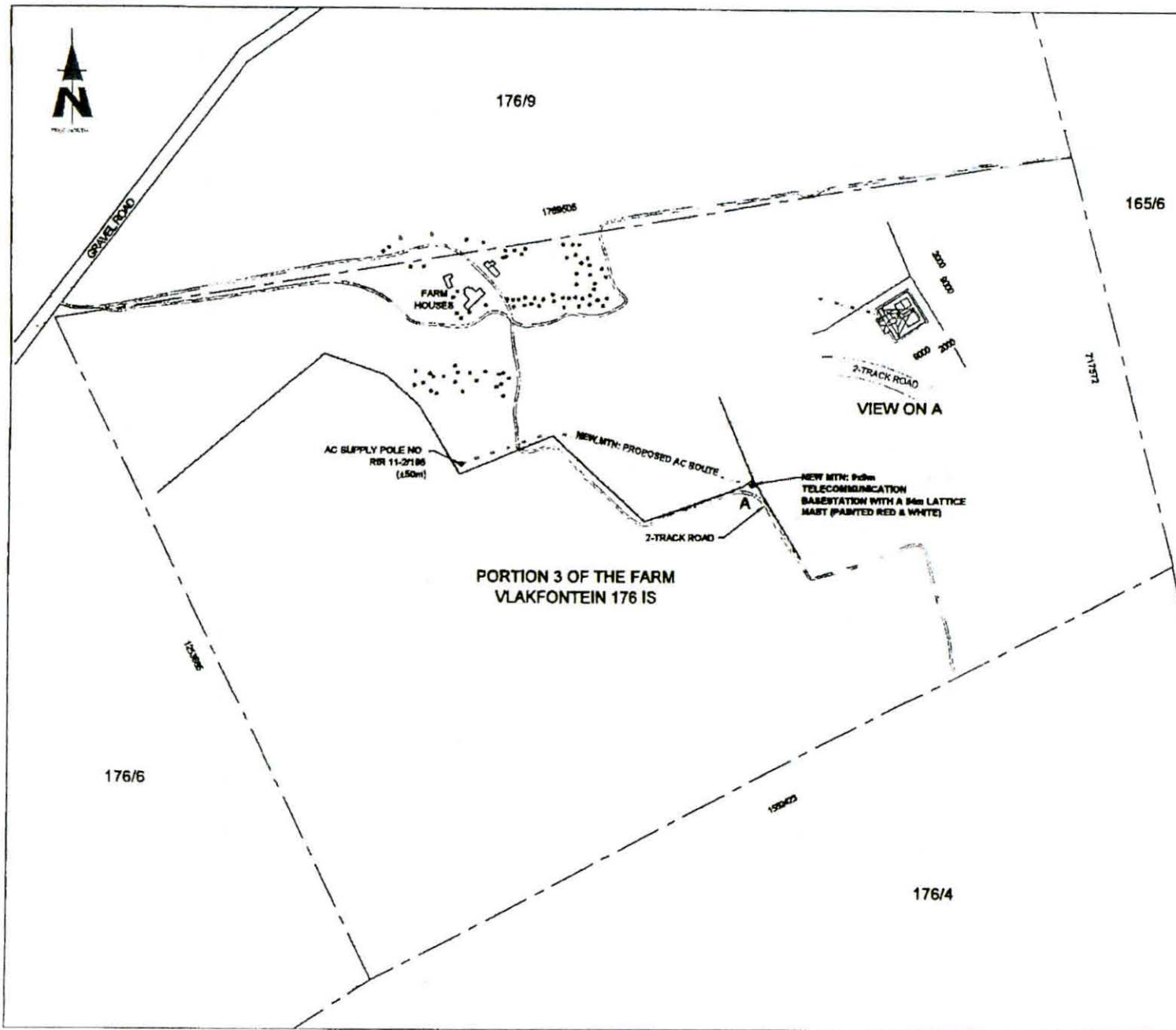
I-e-meyili: [admin@infraplan.co.za](mailto:admin@infraplan.co.za)

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 nezombolo zokubathinta futhi basho nenombolo yereferensi yomsebenzi, ku-EAP ezinsukwini zekhalenda ezingama-30 kusukela ekushicilelweni kwalesi saziso.

Usuku lokushicilelwa kweSaziso: **2 February 2012**







1797 Protea Blvd  
 Block B, Hartebeetsfontein  
 Midrand 2009  
 Tel: +27 (0)11 941 5000  
 Fax: +27 (0)11 941 5000  
 P.O. Box 145  
 Protea Bldg 212  
 Midrand Park

**SITE NAME:** VLAKFONTEIN FARM  
**BASE STATION NUMBER:** T9508

REV	DATE	BY	DESCRIPTION
A	21/11/2011	MY	FIRST ISSUE

**NOTES:**  
 OWNER: SCHEDULED AS SHOWN IN PERMITS  
 STRICTLY COMPANY CONFIDENTIAL

**PROPERTY DESCRIPTION:**  
 PORTION 3 OF THE FARM VLAKFONTEIN 176 IS

**COORDINATES:**  
 LAT: 28° 05' 33.55" S  
 LONG: 29° 49' 01.54" E

**PROJECT:**  
 NEW 90cm TELECOMMUNICATION BASESTATION WITH  
 A 54m LATTICE MAST FOR MTN (PTY) LTD

**ADDRESS:**  
 VLAKFONTEIN HENDRINA,  
 R34 WONDERFONTEIN GRAVEL ROAD  
 HENDRINA  
 MPUMALANGA



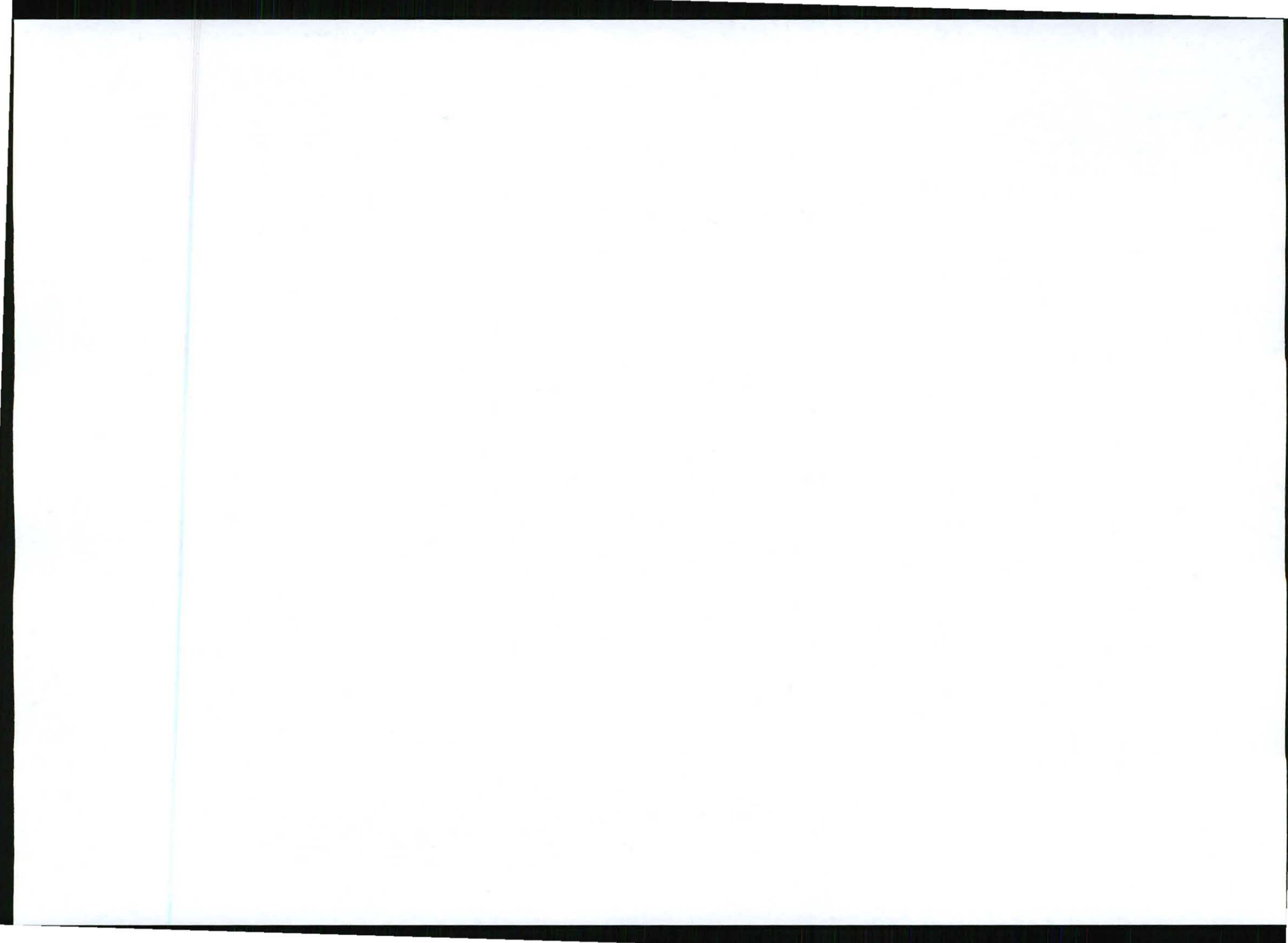
414 Wattle Road  
 Midrand 2009  
 2134  
 Tel: +27 (0)11 804 1808  
 Fax: +27 (0)11 804 1872  
 info@infoplans.co.za

**RFC NO.:** 152058  
**PROJECT NUMBER:** 120184

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 FROM 1998-1999, ISSUE 1 NOVEMBER 8 NOVEMBER 2007

**DRAWN:** MELISSA YOUNG **DATE:** 21/11/2011  
**SCALE:** 1:5000 **REF. NO.:** 81370008

**SITE DEVELOPMENT PLAN**  
**SHEET 3 OF 10**









**Monica Niehof**

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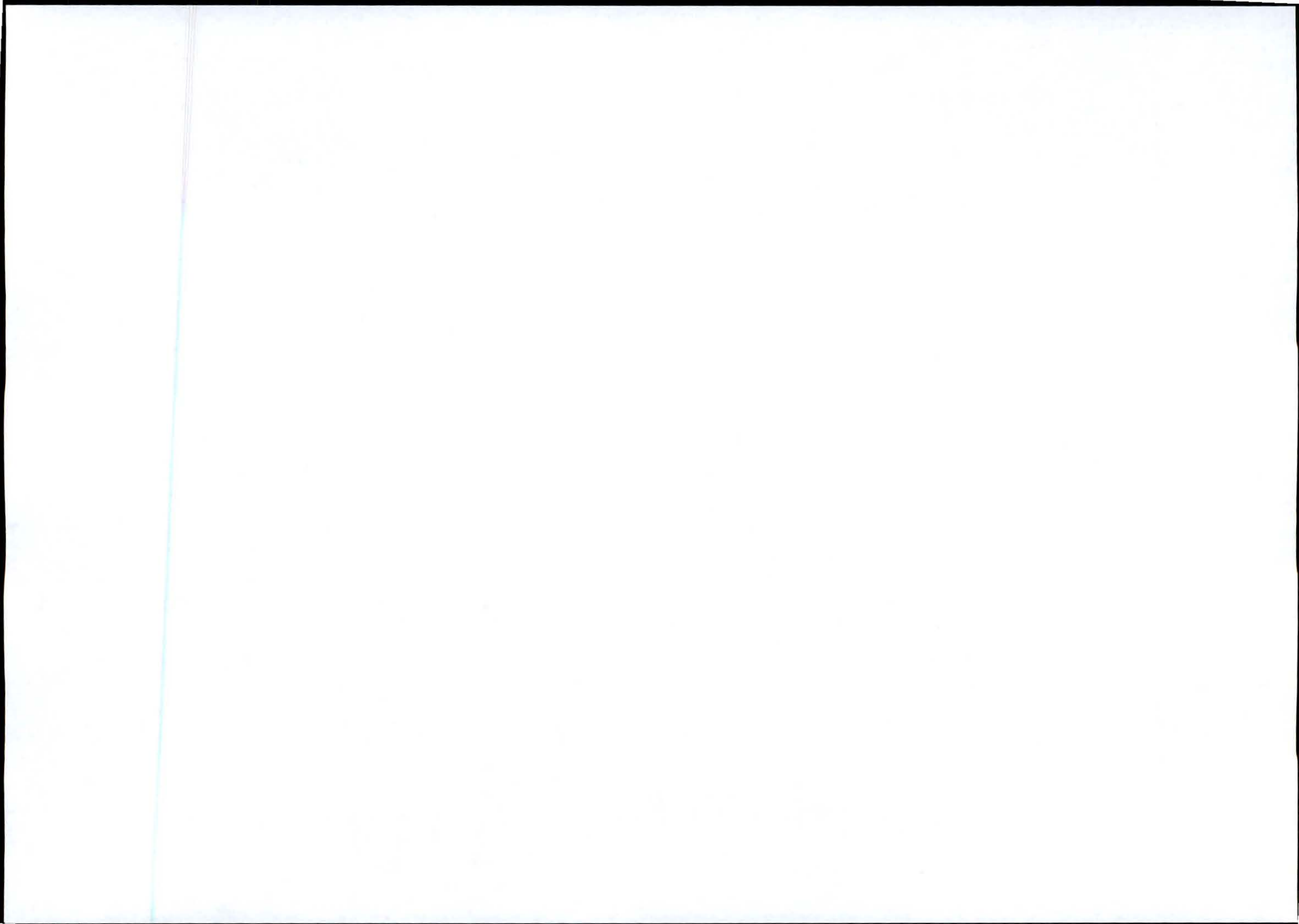
**From:** Mail Delivery System [MAILER-DAEMON@smtp6.wa.co.za]  
**Sent:** 07 February 2012 03:01 PM  
**To:** Beverley Schöpf  
**Subject:** Successful Mail Delivery Report  
**Attachments:** Delivery report; Message Headers

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

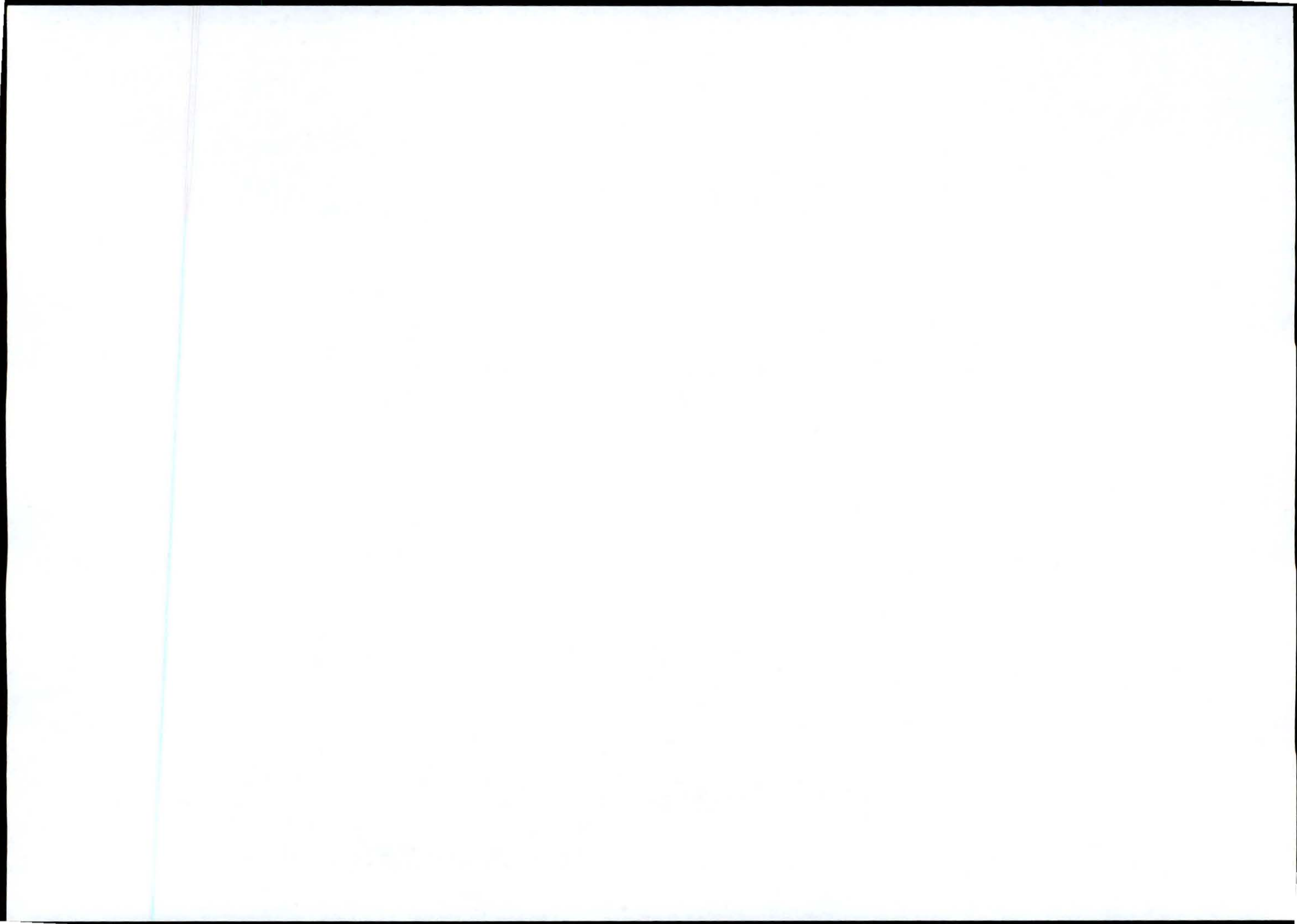
<[vandermerwe@lantic.net](mailto:vandermerwe@lantic.net)>: delivery via  
lantic.net.inbound10.dotnetwork2.co.za[41.77.56.12]:25: 250 Backend Replied  
[78d113f4.0.1792789.00-455.2259018.s11p02m011.dotnetwork2.co.za]: ok:  
Message 39759279 accepted (M



Message Headers (5).txt

Return-Path: <beverley@infraplan.co.za>  
Received: from localhost (unknown [127.0.0.1])  
by smtp6.wa.co.za (Postfix) with ESMTMP id 2F713D5C087  
for <vandermerwe@lantic.net>; Tue, 7 Feb 2012 13:16:00 +0000 (UTC)  
X-Virus-Scanned: amavisd-new at smtp6.wa.co.za  
X-Spam-Flag: NO  
X-Spam-Score: 2.459  
X-Spam-Level: \*\*  
X-Spam-Status: No, score=2.459 tagged\_above=-999 required=6  
tests=[DEAR\_SOMETHING=1.731, HTML\_IMAGE\_ONLY\_32=0.001,  
HTML\_IMAGE\_RATIO\_04=0.61, HTML\_MESSAGE=0.107, T\_OBFU\_PDF\_ATTACH=0.01]  
autolearn=disabled  
Received: from smtp6.wa.co.za ([127.0.0.1])  
by localhost (smtp6.wa.co.za [127.0.0.1]) (amavisd-new, port 10026)  
with ESMTMP id crbmI+Lyh3Ly for <vandermerwe@lantic.net>;  
Tue, 7 Feb 2012 15:15:58 +0200 (SAST)  
Received: from infraplan.co.za (dsl-185-185-230.dynamic.wa.co.za [41.185.185.230])  
by smtp6.wa.co.za (Postfix) with ESMTMP id 36322D5C0D2  
for <vandermerwe@lantic.net>; Tue, 7 Feb 2012 15:15:41 +0200 (SAST)  
Content-class: urn:content-classes:message  
Return-Receipt-To: =?iso-8859-1?Q?Beverley\_Sch=F6pf?= <beverley@infraplan.co.za>  
MIME-Version: 1.0  
Content-Type: multipart/mixed;  
boundary="-----=\_NextPart\_001\_01CCE596.ABBE7554"  
isposition-Notification-To: =?iso-8859-1?Q?Beverley\_Sch=F6pf?= <beverley@infraplan.co.za>  
Subject: 120207 Telecommunication Infrastructure - T9508 vlakfontein Farm  
X-MimeOLE: Produced By Microsoft Exchange V6.5  
Date: Tue, 7 Feb 2012 14:47:36 +0200  
Message-ID: <C54778BB944C754B92FBE729569E7333572CA9@INFRAPLANSRV.infraplan.local>  
X-MS-Has-Attach: yes  
X-MS-TNEF-Correlator:  
Thread-Topic: 120207 Telecommunication Infrastructure - T9508 vlakfontein Farm  
thread-index: Aczllqrh9RAqn8MdRgGMih/VBAvgOw==  
From: =?iso-8859-1?Q?Beverley\_Sch=F6pf?= <beverley@infraplan.co.za>  
To: <vandermerwe@lantic.net>

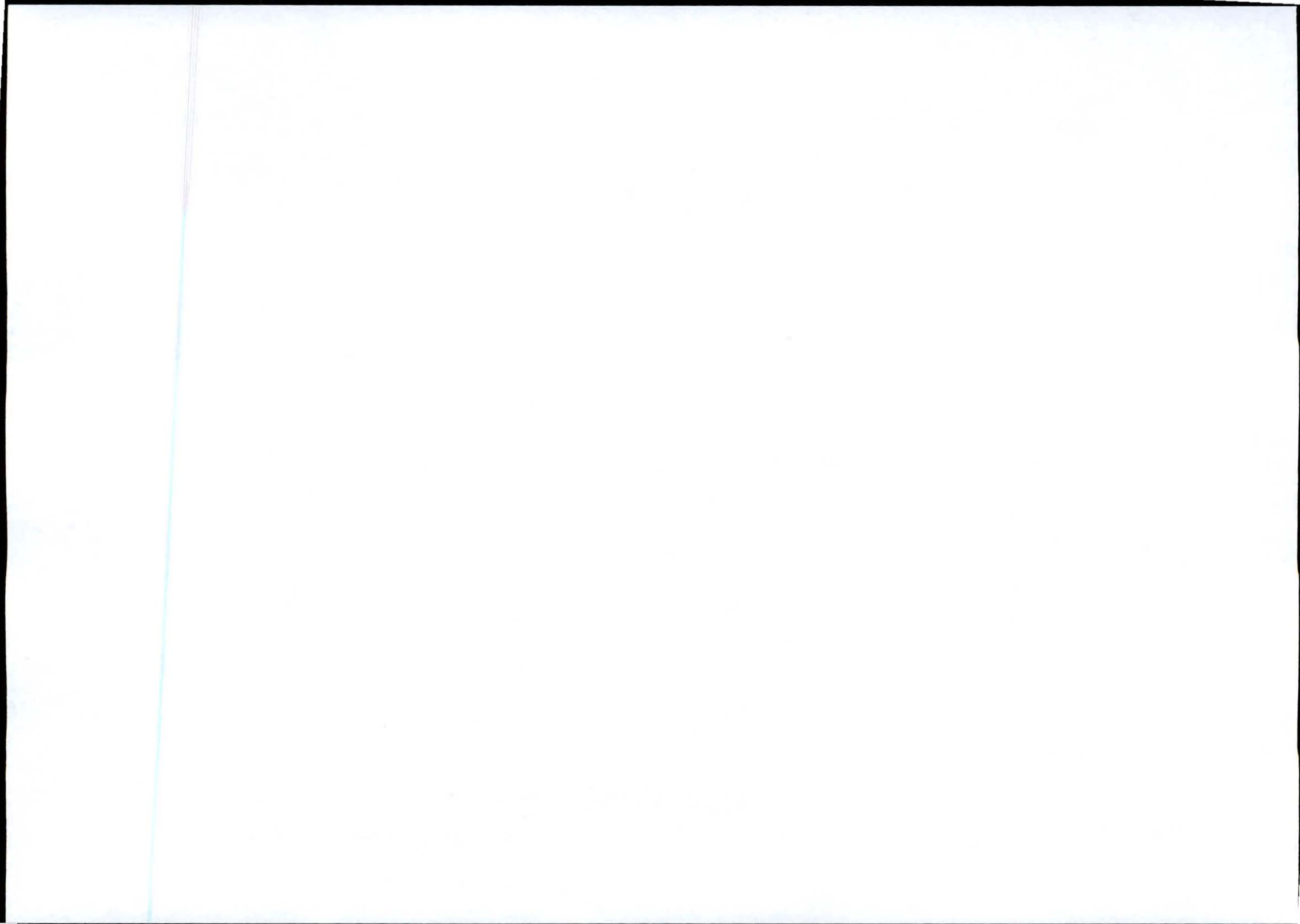




Delivery report.txt

Reporting-MTA: dns; smtp6.wa.co.za  
X-Postfix-Queue-ID: 2F713D5C087  
X-Postfix-Sender: rfc822; beverley@infraplan.co.za  
Arrival-Date: Tue, 7 Feb 2012 13:16:00 +0000 (UTC)

Final-Recipient: rfc822; vandermerwe@lantic.net  
Original-Recipient: rfc822;vandermerwe@lantic.net  
Action: relayed  
Status: 2.0.0  
Remote-MTA: dns; lantic.net.inbound10.dotnetwork2.co.za  
Diagnostic-Code: smtp; 250 Backend Replied  
[78d113f4.0.1792789.00-455.2259018.s11p02m011.dotnetwork2.co.za]: ok:  
Message 39759279 accepted (M



**Monica Niehof**

---

**From:** Beverley Schöpf  
**Sent:** 07 February 2012 02:48 PM  
**To:** 'vandermerwe@lantic.net'  
**Subject:** 120207 Telecommunication Infrastructure - T9508 Vlakfontein Farm  
**Attachments:** adj owner Ptn 4 & 5 Vlakfontein 176 IS.pdf; adj owner Ptn 9 of the Farm Vlakfontein 176 IS.pdf; T9508 Public Notice English & Isizulu(Exemption).pdf; DWG FI\_RA-T9508.pdf; DWG SDP\_RA-T9508.pdf

Dear Sir

I herewith attach documentation for your attention and comment.

Should you have any further queries in this regard, do not hesitate to contact us.

Kind regards

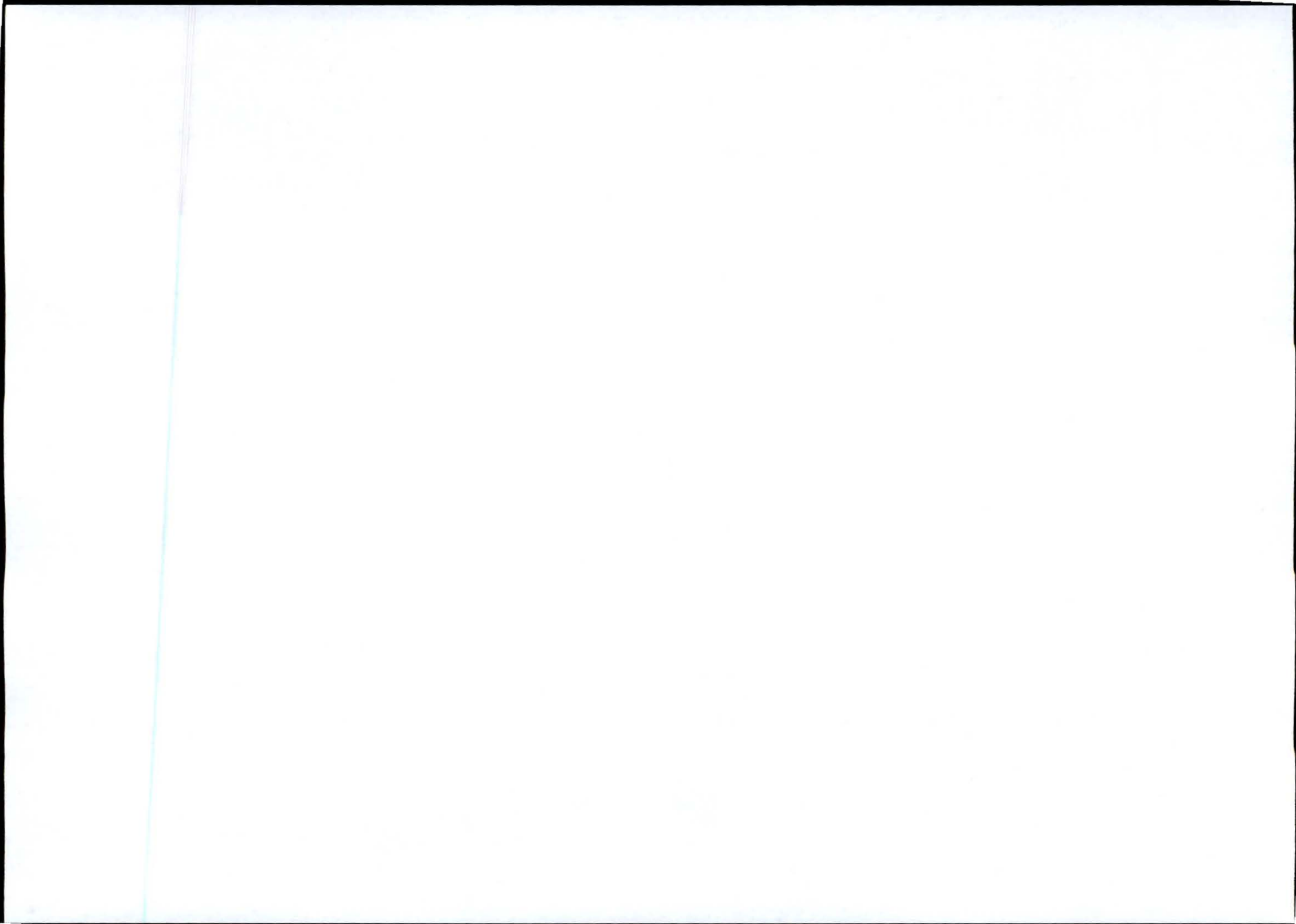
Beverley Schopf



**Torbiouse Solutions CC**  
414 Rustic Road Silvertondale 0184  
PO Box 32017 Totrusdal 0134  
e-mail [admin@torbiousesolutions.co.za](mailto:admin@torbiousesolutions.co.za)

**Reg. No. 2001/0080535/23**  
Tel (012) 604 1504/6  
Fax (012) 604 7072





Our Reference:  
T9508/ 17/2/3 N-123

Your Reference:

10 February 2012

Owner Portion 4 and 5 of the Farm Vlakfontein 176 IS  
S.J.M. 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@torblousesolutions.co.za

E-mail : vandermerwe@lantic.net

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 (bb), (cc) & (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 3 OF THE FARM VLAKFONTEIN 176 IS.**

We are acting on behalf of MTN (Pty) Ltd in order to apply to the Mpumalanga Department of Economic Development, Environmental and Tourism to establish a telecommunication base station on **Portion 3 of the Farm Vlakfontein 176 IS.**

**Kindly note that this letter supersedes the correspondence as forwarded on the 2nd of February 2012 due to the correction of the Co-ordinates of the alternatives on the above property.**

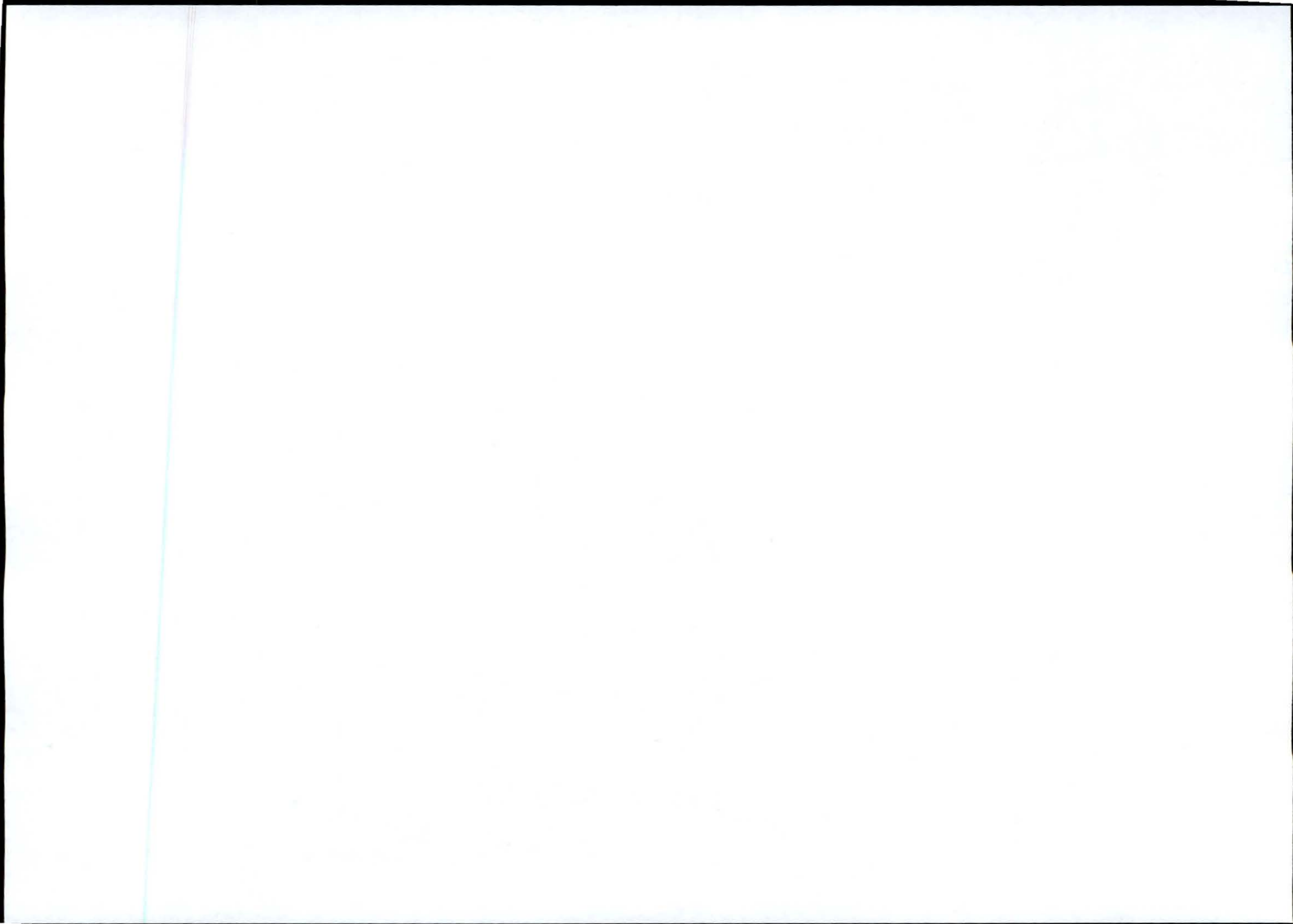
Attached hereto find:

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

**Monica Niehof**  
For: Torblouse Solutions CC



Our Reference:  
T9508 / 17/2/3 N-123

Your Reference:

10 February 2012

**Owner Portion 9 of the Farm Vlakfontein 176 IS**  
J.V.D.M 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@torbioussolutions.co.za

E-mail : vandermerwe@lantic.net

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 (bb), (cc) & (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 3 OF THE FARM VLAKFONTEIN 176 IS.**

We are acting on behalf of MTN (Pty) Ltd in order to apply to the Mpumalanga Department of Economic Development, Environmental and Tourism to establish a telecommunication base station on **Portion 3 of the Farm Vlakfontein 176 IS.**

**Kindly note that this letter supersedes the correspondence as forwarded on the 2nd of February 2012 due to the correction of the Co-ordinates of the alternatives on the above property.**

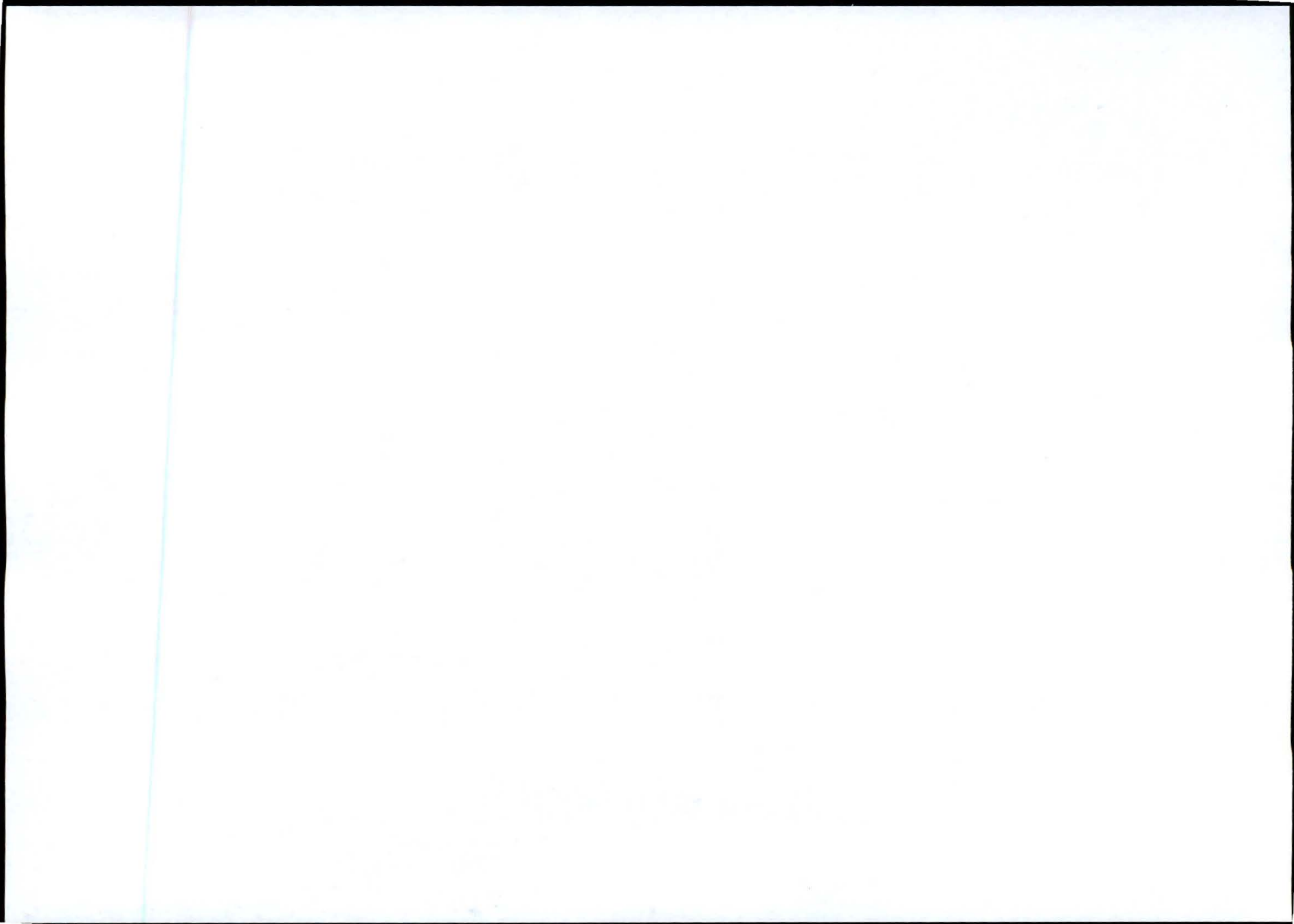
Attached hereto find:

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

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

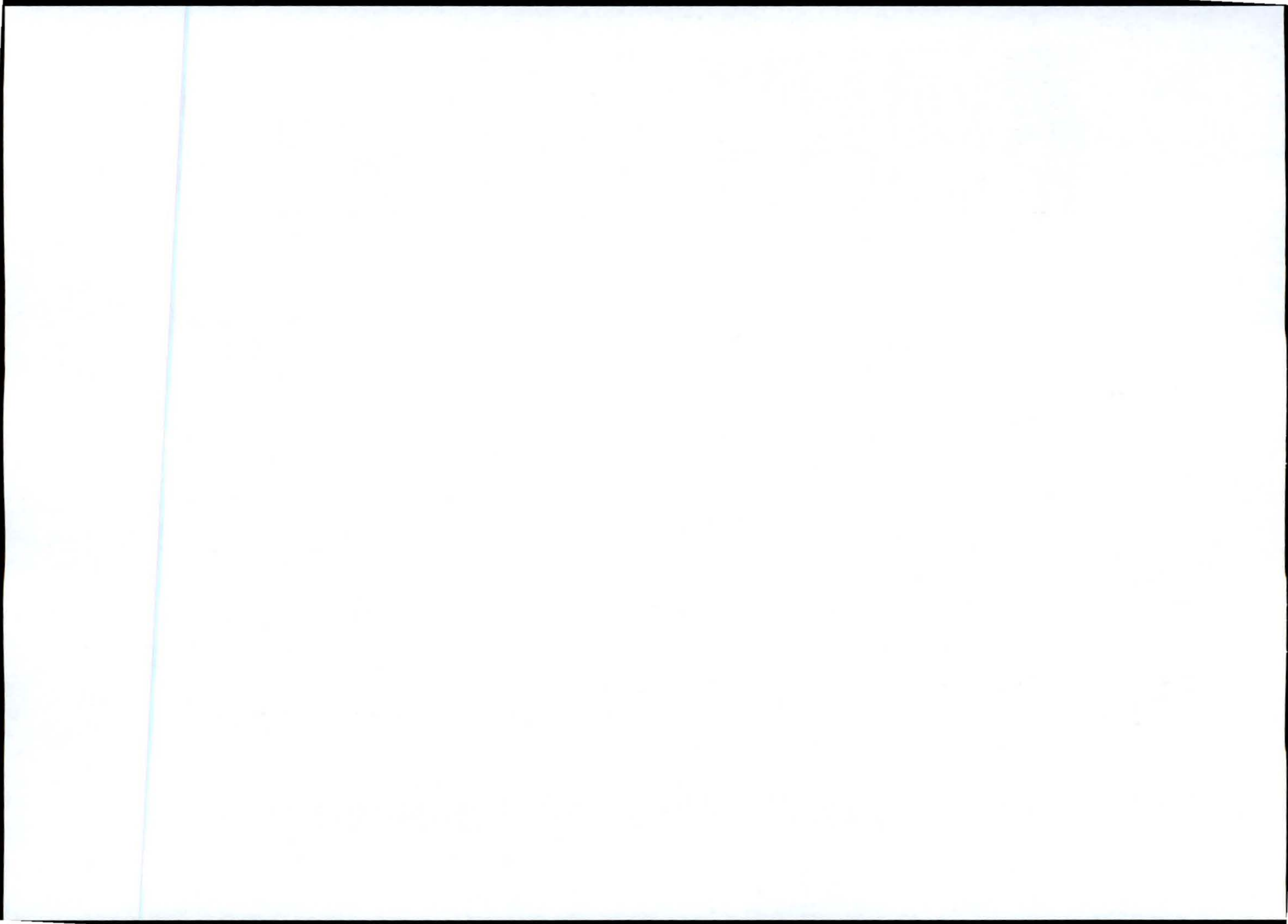
Yours faithfully

  
**M NIEHOF**  
For: Torbious Solutions CC









Our Reference:  
T9508 / 17/2/3 N-123

Your Reference:

10 February 2012

**Owner Remaining Extent of Portion 1 of the Farm  
Vlakfontein 176 IS**  
Beestepan Boerdery(Pty) Ltd  
Private Bag X 251836  
MIDDELBURG  
1050



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

**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 (bb), (cc) & (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 3 OF THE FARM VLAKFONTEIN 176 IS.**

We are acting on behalf of MTN (Pty) Ltd in order to apply to the Mpumalanga Department of Economic Development, Environmental and Tourism to establish a telecommunication base station on **Portion 3 of the Farm Vlakfontein 176 IS.**

**Kindly note that this letter supersedes the correspondence as forwarded on the 2nd of February 2012 due to the correction of the Co-ordinates of the alternatives on the above property.**

Attached hereto find:

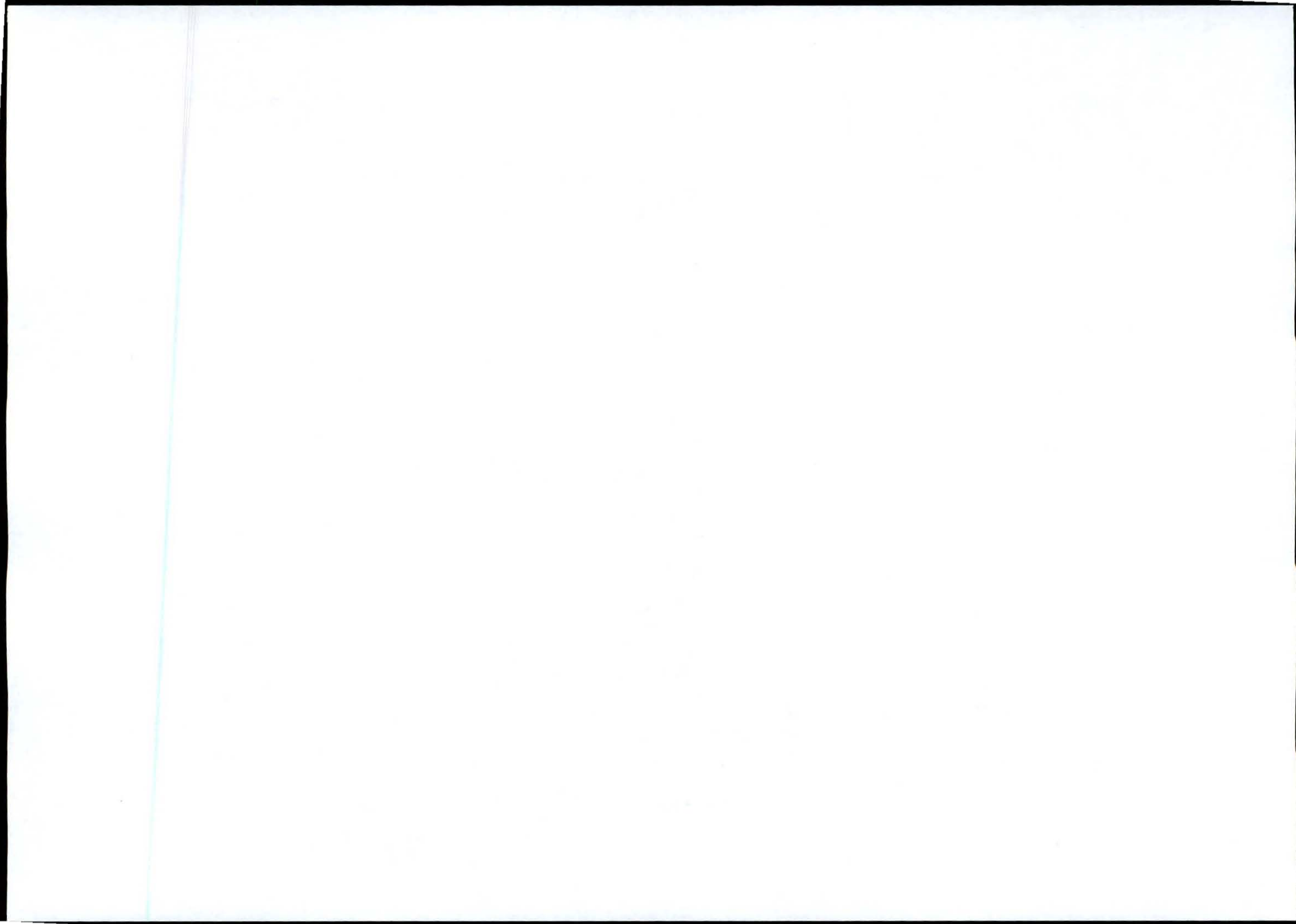
1. Public Participation notice
2. Site Development plan
3. Facility Illustration

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

Yours faithfully

**M NIEHOF**  
For: Torbious Solutions CC





Our Reference:  
T9508 / 17/2/3 N-123

Your Reference:

10 February 2012

**Onwer Portion 6 of the Farm Vlakfontein 176 IS**  
Mr W.H.Swart  
P.O.Box 388  
HENDRINA  
1095



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

**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 (bb), (cc) & (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 3 OF THE FARM VLAKFONTEIN 176 IS.**

We are acting on behalf of MTN (Pty) Ltd in order to apply to the Mpumalanga Department of Economic Development, Environmental and Tourism to establish a telecommunication base station on **Portion 3 of the Farm Vlakfontein 176 IS.**

**Kindly note that this letter supersedes the correspondence as forwarded on the 2nd of February 2012 due to the correction of the Co-ordinates of the alternatives on the above property.**

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

**Monica Niehof**  
For: Torbious Solutions CC





Our Reference:  
T9508 / 17/2/3 N-123

Your Reference:

10 February 2012

**Owner Portion 6 of the Farm Mooiplaats 165 IS**  
Mr J P Scheepers  
P.O.Box 463  
HENDRINA  
1095



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](mailto: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 (bb), (cc) & (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 3 OF THE FARM VLAKFONTEIN 176 IS.**

We are acting on behalf of MTN (Pty) Ltd in order to apply to the Mpumalanga Department of Economic Development, Environmental and Tourism to establish a telecommunication base station on **Portion 3 of the Farm Vlakfontein 176 IS.**

**Kindly note that this letter supersedes the correspondence as forwarded on the 2nd of February 2012 due to the correction of the Co-ordinates of the alternatives on the above property.**

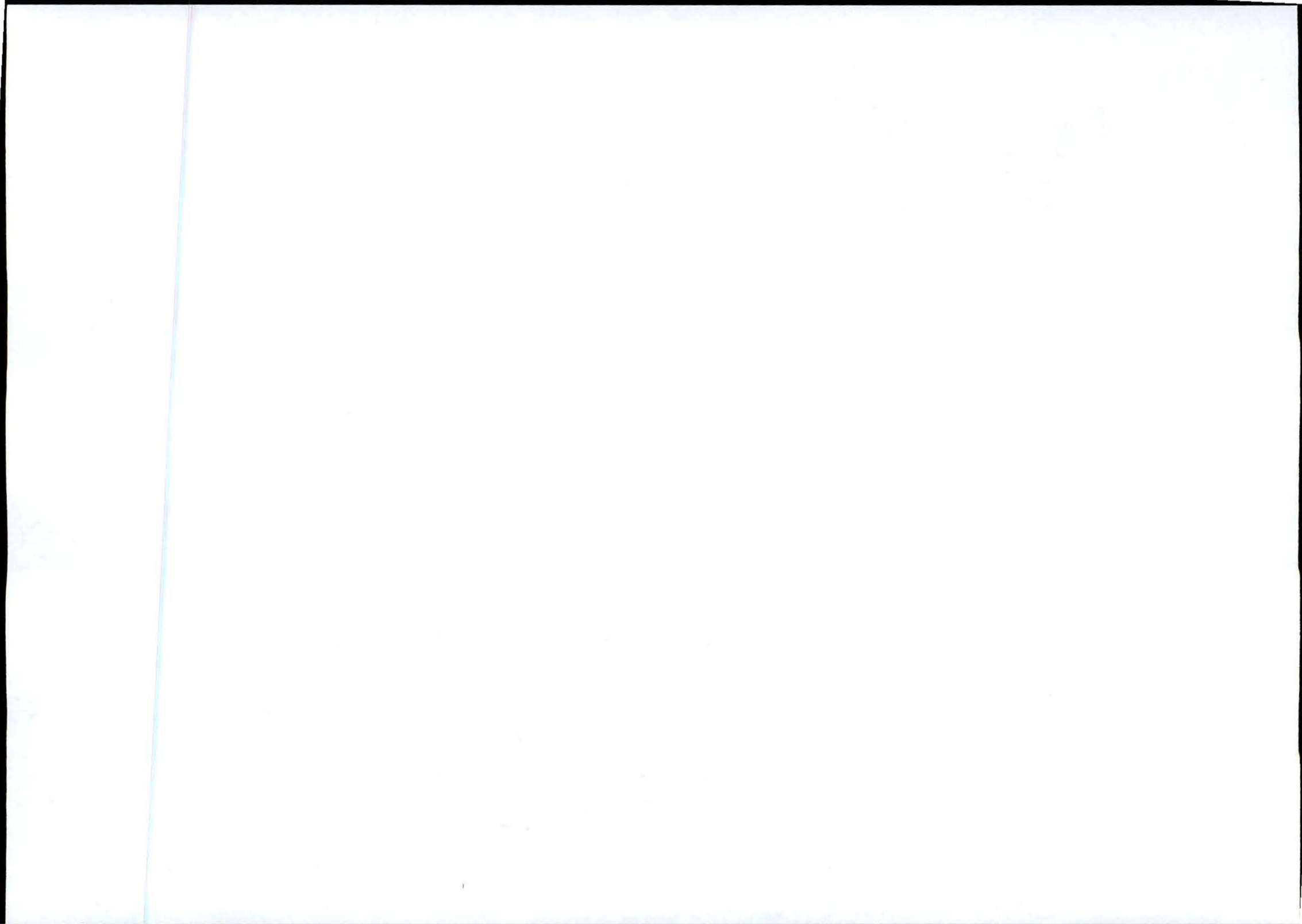
Attached hereto find:

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

**Monica Niehof**  
For: Torblouse Solutions CC





## PUBLIC PARTICIPATION PROCESS

REFERENCE NUMBER: 17/2/3 N - 123

Regulation 546 activity 3 (a) & (b) : (a) ii (bb), (cc) & (ee) : Establishment of an enclosed telecommunication base station with a 54m mast for MTN (Pty) Ltd: **T9508 Vlakfontein Farm**

Location: **Portion 3 of the Farm Vlakfontein 176 IS**

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

**Alternative 1: Latitude: 26° 05' 33.55"S Longitude: 29° 18' 01.34" 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") as amended.

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):

Torblouse Solutions CC.

P.O. Box 32017, Totiusdal, 0134

Attention: : Monica Niehof

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

E-mail: admin@infraplan.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 N - 123

Umyalelo womthetho 546 umsebenzi 3: Isakhiwo esiyisizinda sezokuxhumana ngocingo esivalekile se-MTN (Pty) Ltd ene-mast engama-54m kanye nendawo (nezindawo) yokubeka impahla: **T9508 Vlakfontein Farm**

Indawo: **Portion 3 of the Farm Vlakfontein 176 IS**

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

**Esihlukile 1: Ububanzi: 26° 05' 33.55"S Ubude: 29° 18' 01.34" E**  
**Induku ye-lattice ependwe ngokubomvu nokumhlophe**

Ngalokhu kunikezwa isaziso senqubo yokubamba iqhaza komphakathi ngokuhambisana Nemithetho Yokuhlola Umthelela Wamandla Kwezenhlalo (i-Environmental Impact Assessment Regulations) ka-2010 (R543) njengoba ichibiyelwe yamanyezelwa ngokuhambisana Nomthetho Wokuphatha Ezenhlalo Kuzwelonke (i-National Environmental Management Act) ka-1998 (Umthetho weNombolo-107 ka-1998) njengoba uchibiyelwe (i-"NEMA"). Izingqubo 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 zokuqhubeka nomsebenzi ohleliwe.

### Umuntu ofaka isicelo:

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

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

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

kuqondiswe ku- Monica Niehof

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

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

Olunye utwazi 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 nezindawo zokubathinta futhi basho nenombolo yereferensi yomsebenzi, ku-EAP ezinsukwini zekhalenda ezingama-30 kusukela ekushicilelweni kwalesi saziso.

Usuku lokushicilelwa kweSaziso: **2 February 2012**

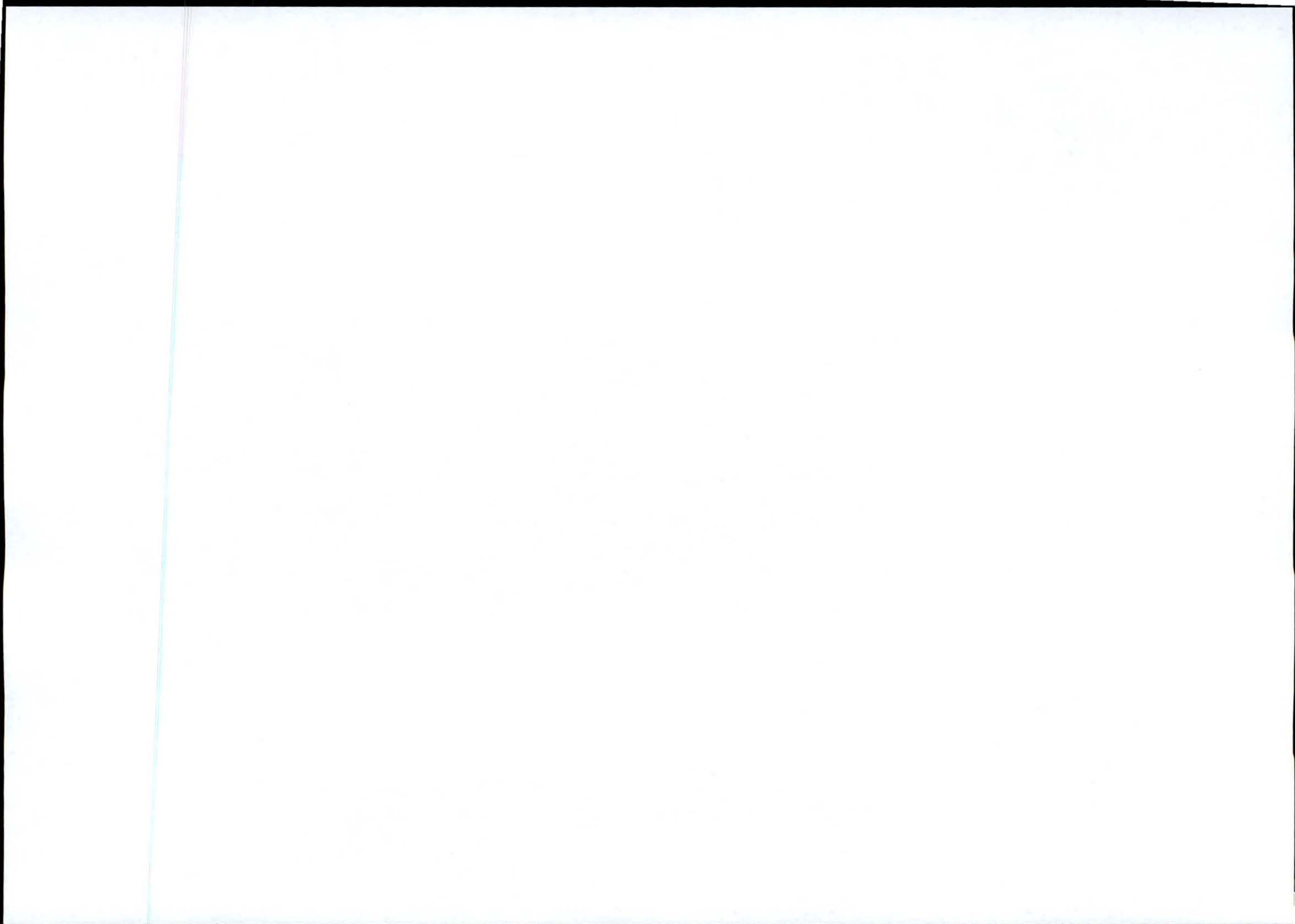














**G3 – Proof of Newspaper Advertisement**



**Witbank**

**Gazette**

**DALLER**

**Streek** nuus news

**getit**

MIDDELBURG  
**Observer**

Tel.: 013-243-1434

Fax: 013-282-7477

41A Meyer Street, P.O. Box 36, Middelburg 1050

**FAX MESSAGE / FAKSBOODSKAP**

Pages: \_\_\_\_\_ (Including this page)  
Bladsye: \_\_\_\_\_ (Hierdie bladsy Ingesluit)

Fax No.: \_\_\_\_\_  
Faks Nr.: \_\_\_\_\_

Date: \_\_\_\_\_  
Datum: \_\_\_\_\_

To: Beverly  
Aan: \_\_\_\_\_

Attention: \_\_\_\_\_  
Aandag: \_\_\_\_\_

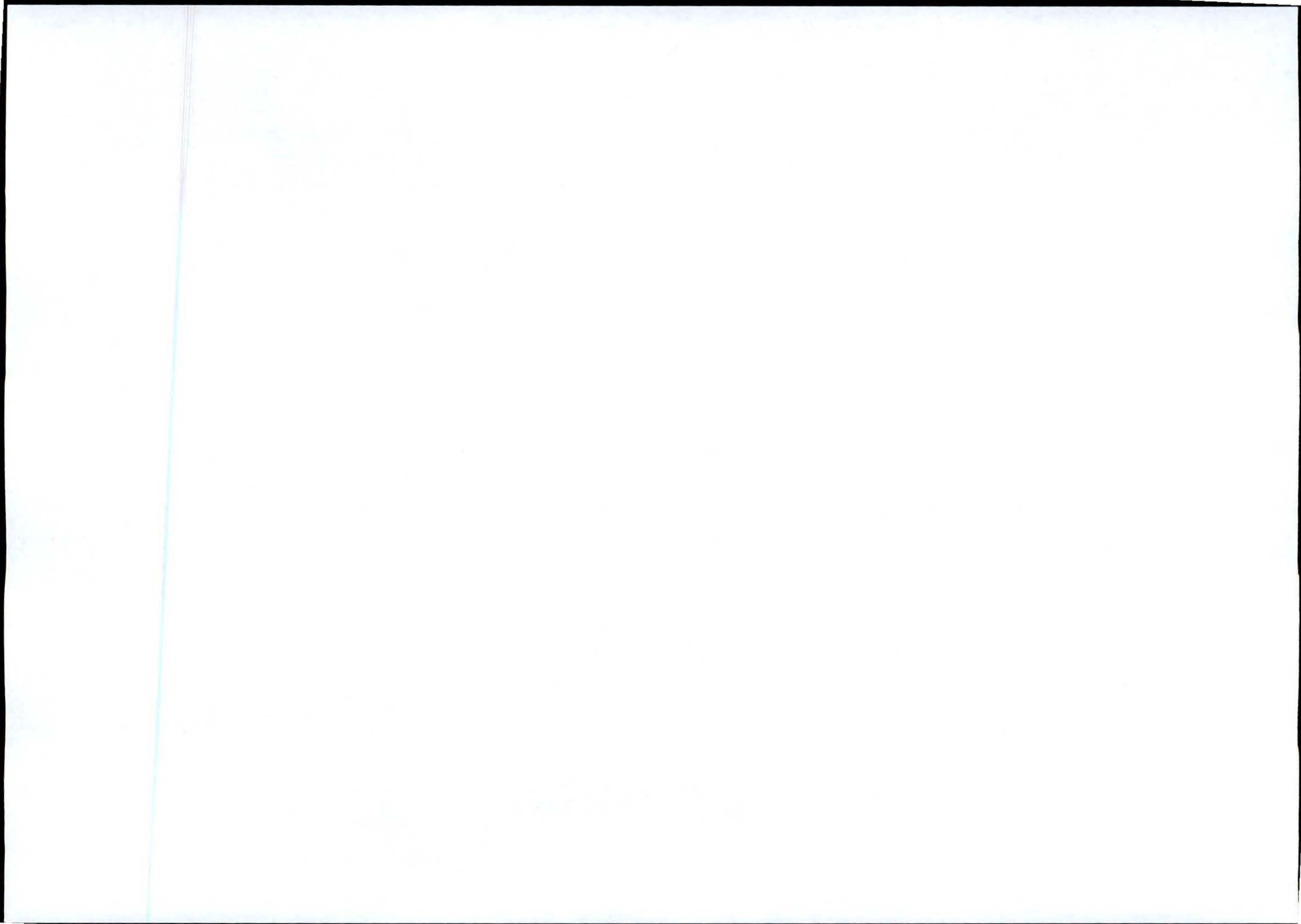
Subject: \_\_\_\_\_  
Onderwerp: \_\_\_\_\_

From: SUSAN  
Van: \_\_\_\_\_

Comments: Lekker dag!  
Kommentaar: \_\_\_\_\_

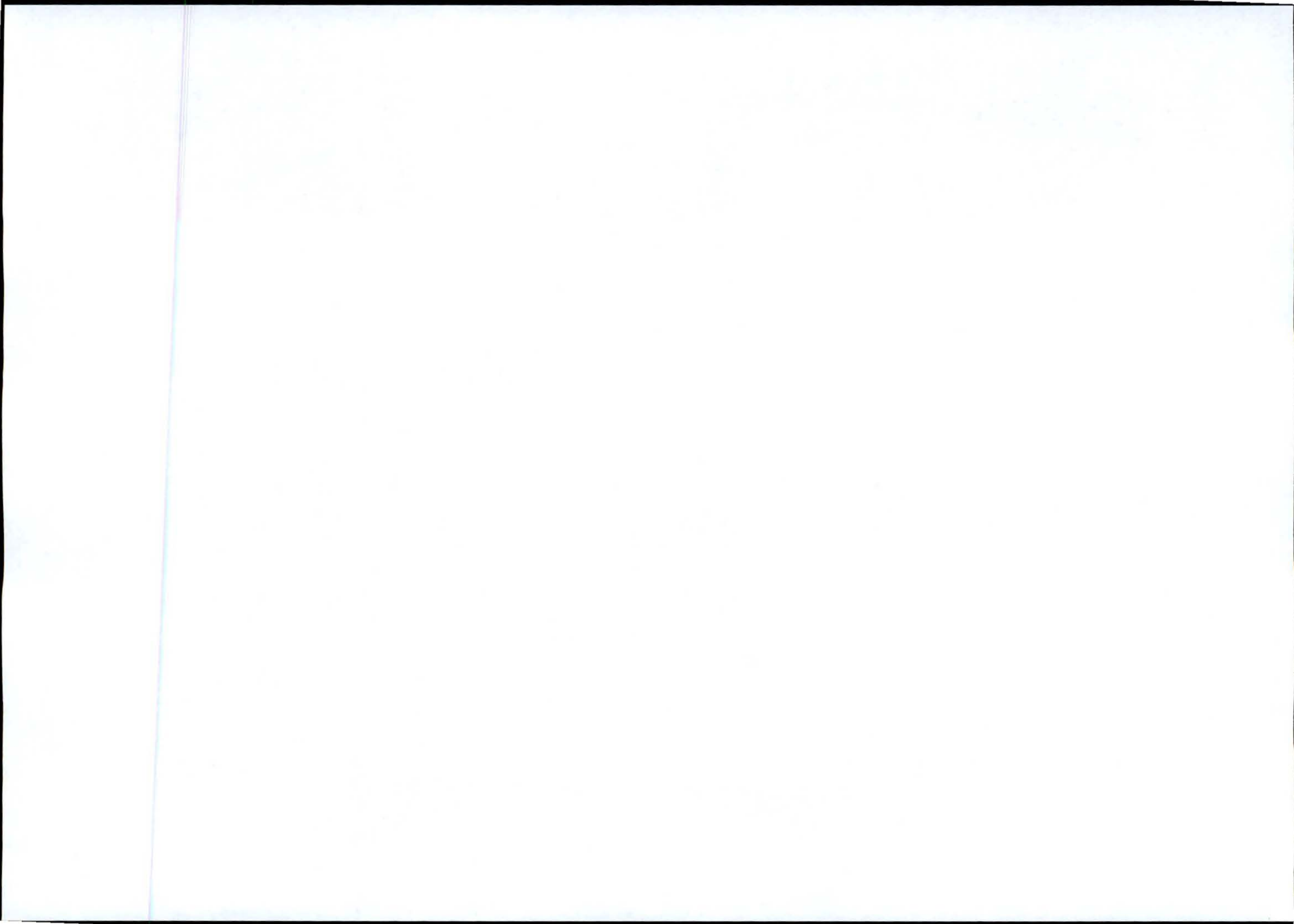
ACCOUNT : MIDDELBURG OBSERVER  
BRANCH CODE : 250655

BANK : FNB Bank Pretoria  
ACC No. : 62104991288











**G4 – Register of I&APs**



### Interested & Affected Parties Register / Comments and Responses Report

Site number: T9508  
 Site Name: Vlakfontein  
 EIA reference no.: 17/2/3 N-123

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	2012/02/10	The Municipal Manager, Steve Tshwete Local Municipality, Mr. WD Fouche	PO Box 14, Middelburg, 1050	Tel: (013) 249 7000 Fax: (013) 249 7072	NA	Auto I&AP	No comments received	No comments received
2	2012/02/02	The Ward Councillor, Cnr EF Mathebula, Ward 3	PO Box 14, Middelburg, 1050	Fax: (013) 243 2550	NA	Auto I&AP	No comments received	No comments received
3	2012/02/10	Nkangala District Municipality, Mr. T.C. Makola	P.O. Box 437, Middelburg	Tel: (013) 249 2087	NA	Auto I&AP	No comments received	No comments received
3	2012/02/02	South African Civil Aviation Authority (SACAA)	Private Bag x73, Halfway House 1685	Tel: (011) 545 1000 Fax: (011) 545 1451	NA	Auto I&AP	Approval not received yet	Application submitted
4	2012/02/02	South African Heritage Resources Agency (SAHRA)	P.O. Box 4637, Cape Town, 8000	Tel: (021) 462 4502 Fax: (021) 462 4509	NA	Auto I&AP	No comments received	No comments received
5	2012/02/02	Mpumalanga Tourism and Parks Agency (MTPA)	Private Bag X 11338, Nelspruit, 1200	Tel: (013) 759 5445 Fax: (013) 755 4014	NA	Auto I&AP	No comments received	No comments received









**SOUTH AFRICAN**



**CIVIL AVIATION  
AUTHORITY**

Physical Address:  
Mabasa Lekentsha  
Inner Circle  
Walterville 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 Ströb  
[lstrohl@caa.co.za](mailto:lstrohl@caa.co.za)  
Tel. 011 545 1232  
Fax. 011 545 1451

23 April 2007

Turbolouse 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),

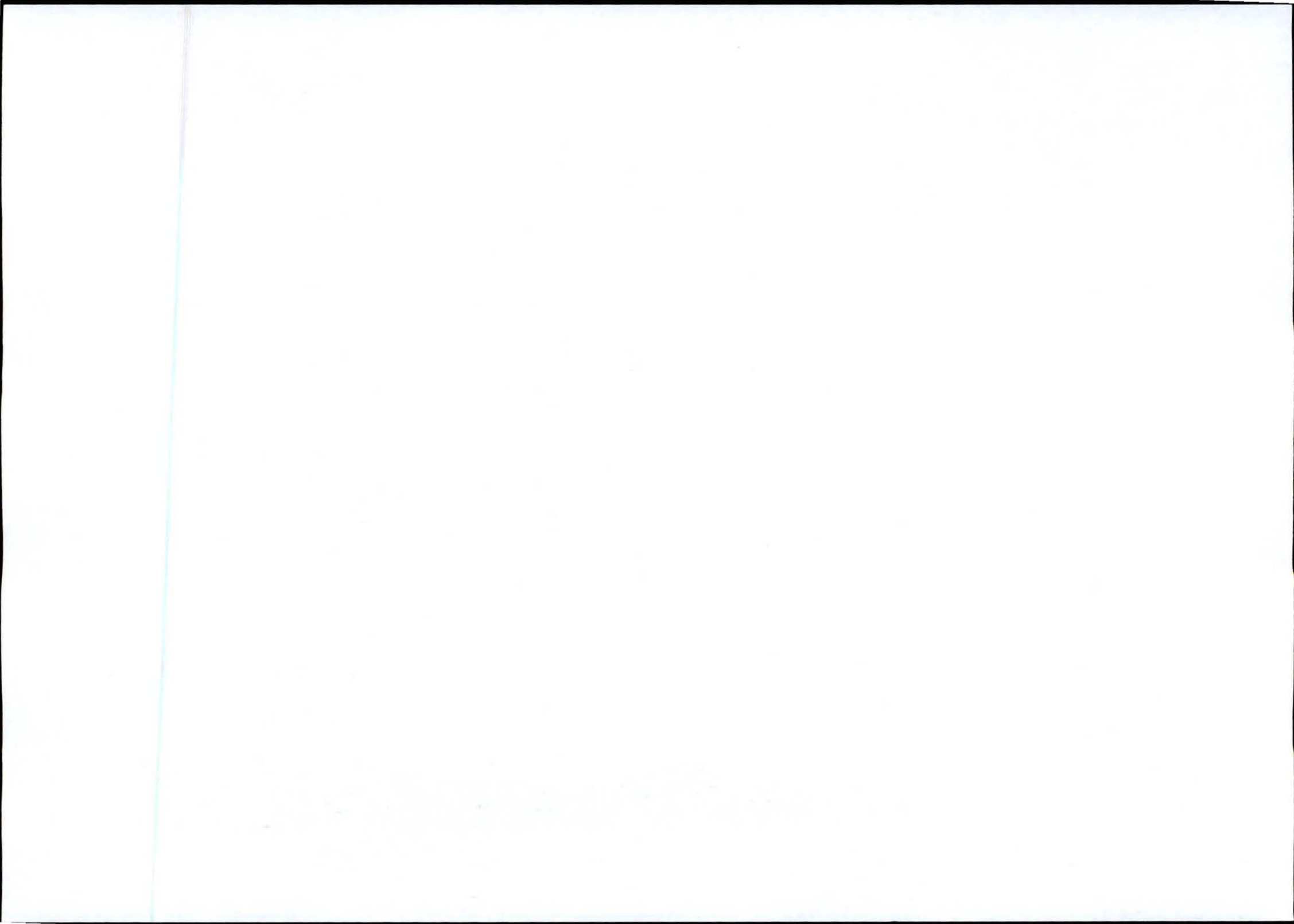
Paint markings (Day markings) shall be in compliance with ICAO Annex 14 chapter 6 and shall consist of seven painted bands, each one seventh of the length of the structure, and shall consist of bands of International Orange (or Post Office red) alternated by brilliant white, starting and ending in orange/red, 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)

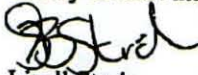




*Note-*

*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**

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



**G6 – Motivation for Exemption of assessing alternatives**





Our Reference:

Your Reference:

**T9508 Vlakfontein Farm**

**17/2/3 N-123**

**12 March 2012**

Mpumalanga Department of Economic Development,  
Environment & Tourism  
Gert Sibande District  
Ermelo

**Attention:** Bheki Mndawe



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414 Rustic Road  
Silvertondale, 0184  
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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 PORTION 3 OF THE FARM VLAKFONTEIN 176 IS**

In terms of Chapter 5 of the EIA Regulations, August 2010 as amended 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 property where the establishment is proposed was identified by the radio planners of MTN as the best position to place the mast to achieve coverage objectives for the area on the MTN network.

**Other site alternatives reviewed for feasibility:**

1. Sharing:

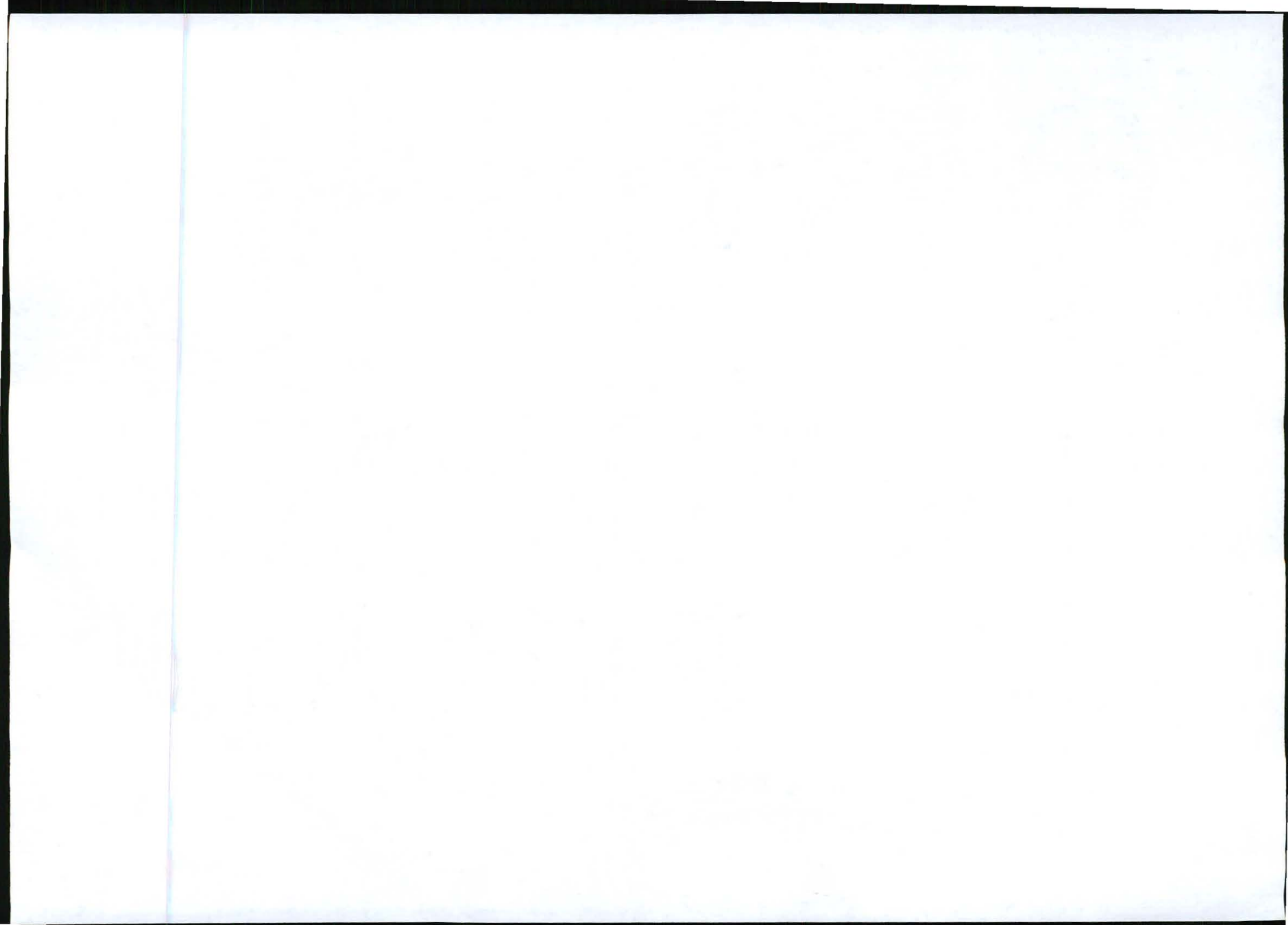
Investigation of sharing existing infrastructure:

The specific site requirements needed by, MTN are:

- Physical space for two sets of antennae, two microwave dishes and 14 feeder cables;
- Wind load capacity for above mentioned equipment;
- Minimum height of 54m; 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.

2. Most other possible areas / sites on the same property would have more or less the same environmental impacts as the proposed site as they have similar environmental features and qualities i.e. biological sensitivity, viewpoints and physical incline.



3. The neighbouring properties were not regarded as feasible site alternatives due to more limitations on the network coverage.

**(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 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. Should other operators wish to share this mast in future more weight would be added to the mast. 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 for all masts higher than 45m, meaning the mast has to be painted red and white with red lights on top for maximum visibility 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 operational aspects of the activity:**

- Increased electricity consumption on the existing supply grid: The infrastructure is designed to operate on economical electricity consumption. A generator will be installed as a backup electricity supply in the event of a power failure. There are no feasible alternatives available to replace electrical power supply.
- Noise generation by air conditioning units and by backup generator if electricity supply fails: The air conditioning units and backup generator operate at very low and well accepted noise levels. There are no feasible 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 54m 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.

Kind Regards



**MC Niehof**

For: Torbious Solutions cc



