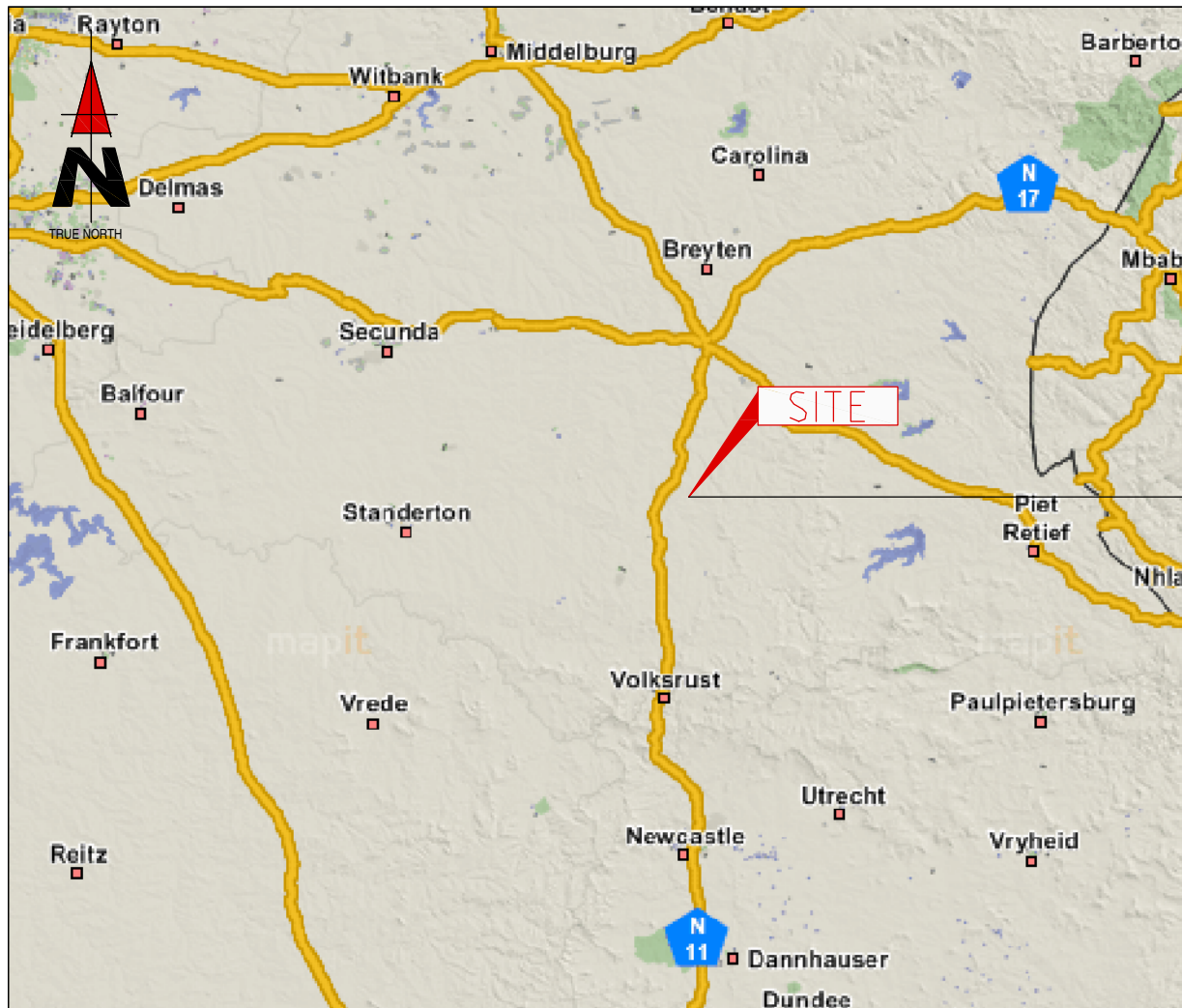


**Appendix A: Site Plans**



**T9246**  
**VAALBANKSPRUITDRIF**



1267 Pretorius Street  
 Block B, Hadevelds Complex  
 Hatfield, 0083  
 Tel. +27 (12) 342 2900  
 Fax: +27 (12) 342 9208  
 Postnet Suite 146  
 Private Bag X15  
 Menlo Park

SITE NAME:  
**VAALBANKSPRUITDRIF**

BASE STATION NUMBER:  
**T9246**

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

NOTES:  
 OWNER: ARNOLDI BERNARD

STRICTLY COMPANY CONFIDENTIAL  
 PROPERTY DESCRIPTION:  
 PORTION 4 OF THE FARM VAALBANKSPRUITDRIF 334 IT

COORDINATES:  
 LAT : 26° 53' 06.20" S  
 LONG : 30° 01' 40.50" E

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

ADDRESS:  
 VAALBANK SPRUIT DRIFT,  
 FAMILIE HOEK ROAD,  
 AMERSFOORT,  
 MPUMALANGA



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

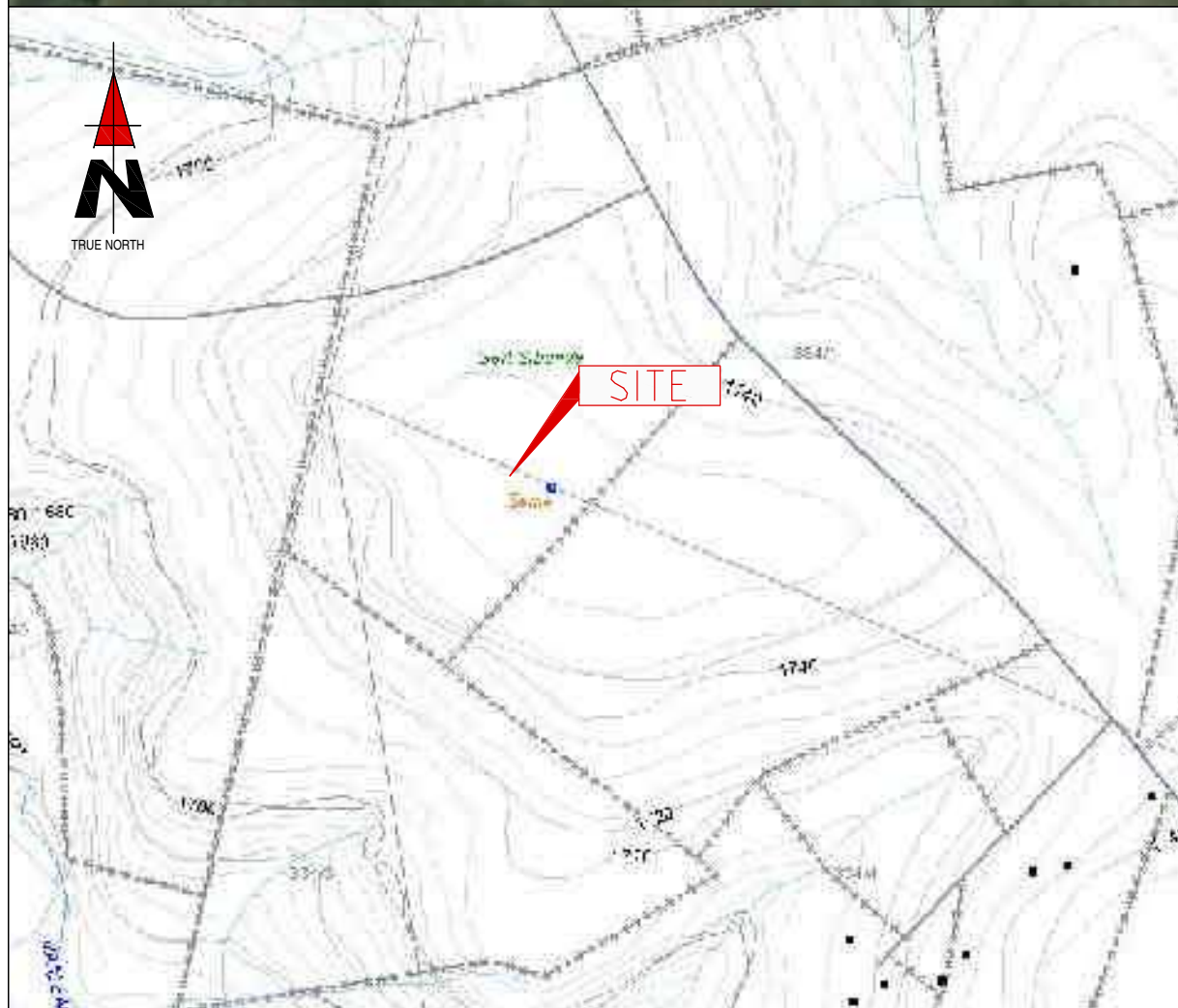
RFQ NO.:  
 148744

PROJECT NUMBER:  
 116863

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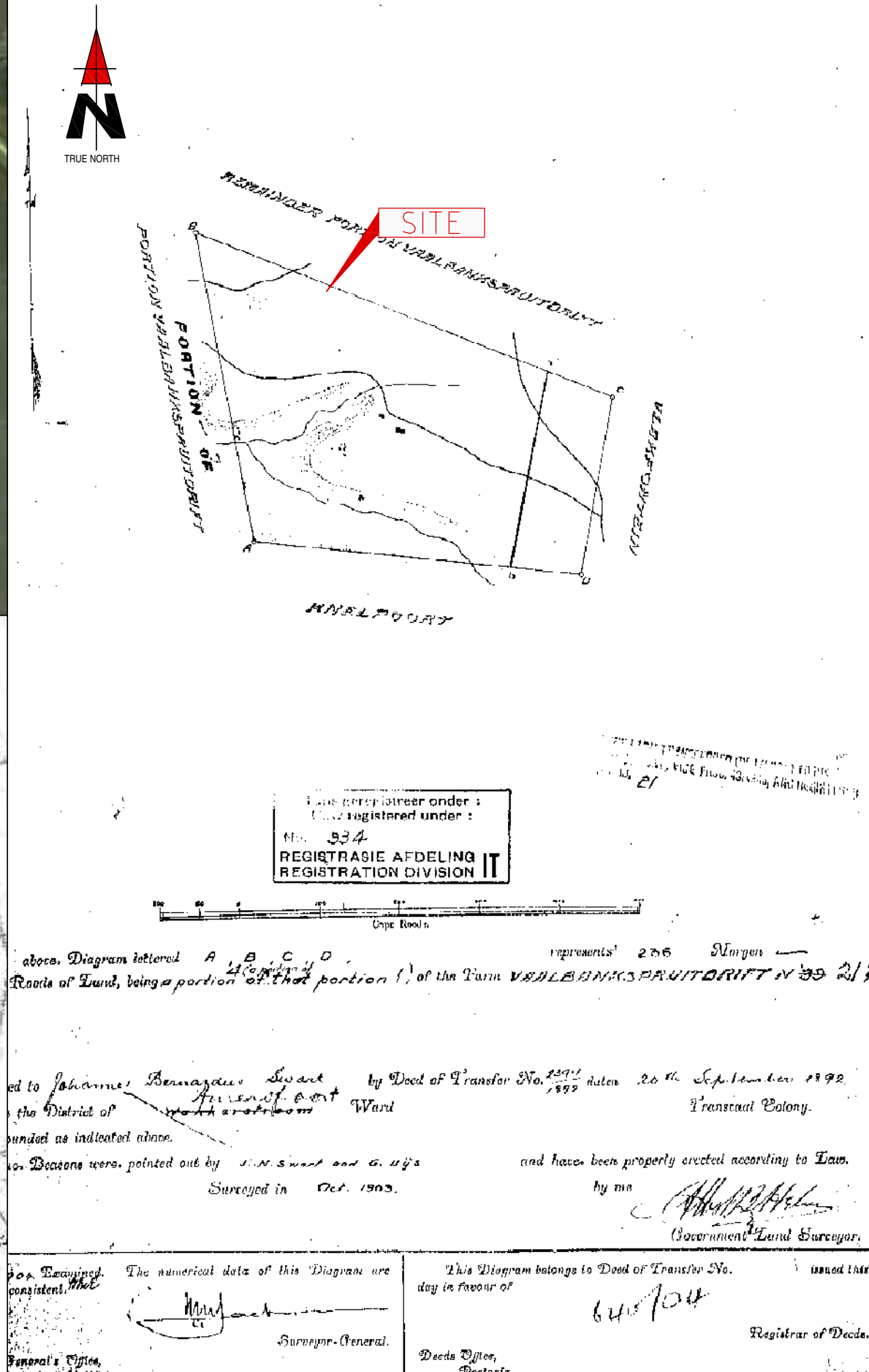
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 SCALE: NTS  
 DATE: 22/11/2011  
 REF. NO: 812/T9246

LOCALITY MAP  
 SHEET 1 OF 9



NO.	ANGLES	(X) COORDINATES (m)
1.06	A 106.12.10	A - 63.80 - 534.43
2.97	B 57.15.10	B + 328.91 - 469.09
7.43	C 101.44.00	C + 110.42 - 955.23
2.98	D 94.16.50	D 112.76 - 944.49

SG. No. A 65/04



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admin@infraplan.co.za

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0134

RFQ NO.: 148744

PROJECT NUMBER: 116863

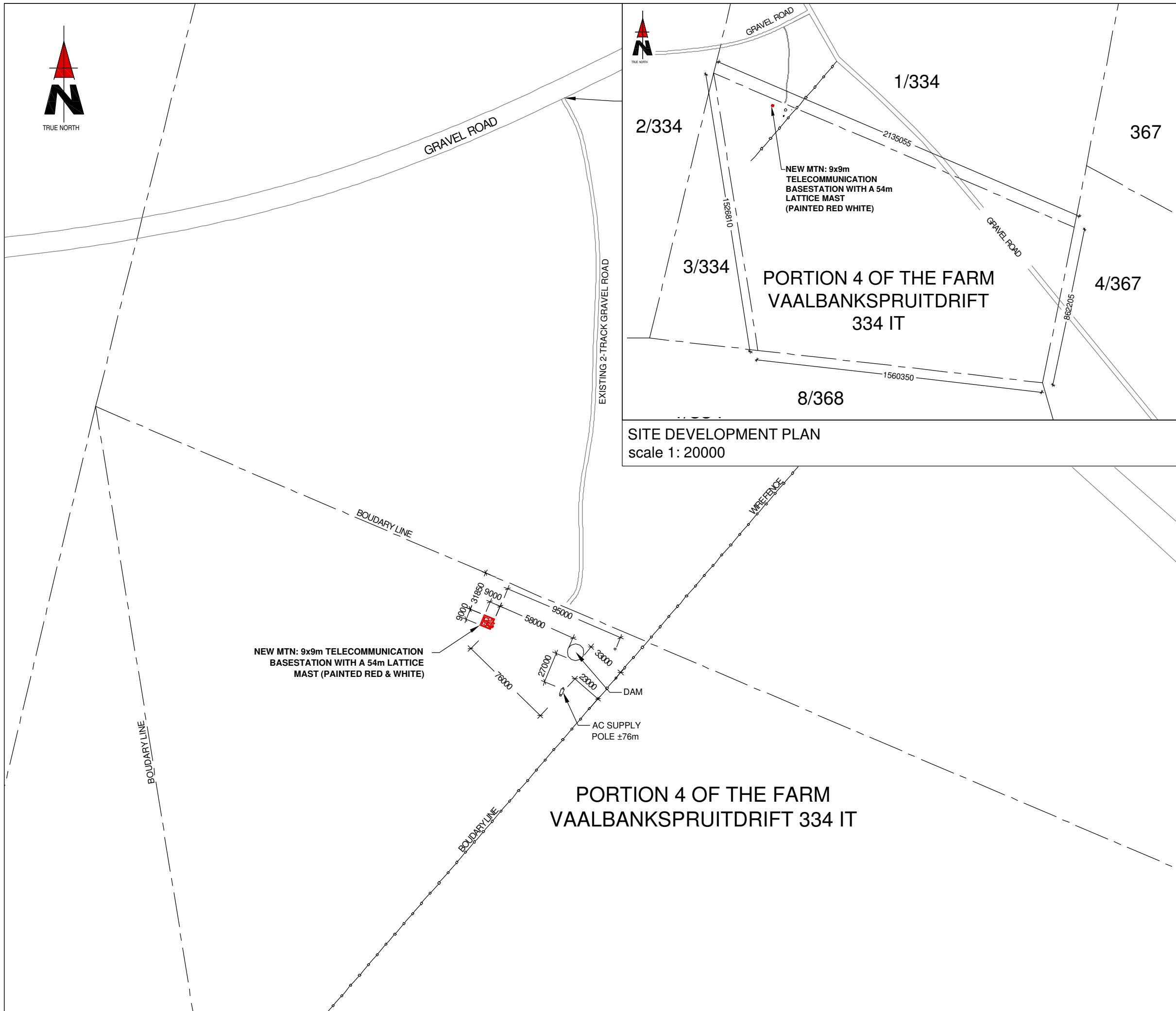
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SCALE: NTS REF. NO: 812/T9246

CADASTRAL INFO SHEET 2 OF 9



**SITE DEVELOPMENT PLAN**  
scale 1 : 20000

**PORTION 4 OF THE FARM**  
**VAALBANKSPRUITDRIFT 334 IT**



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0134

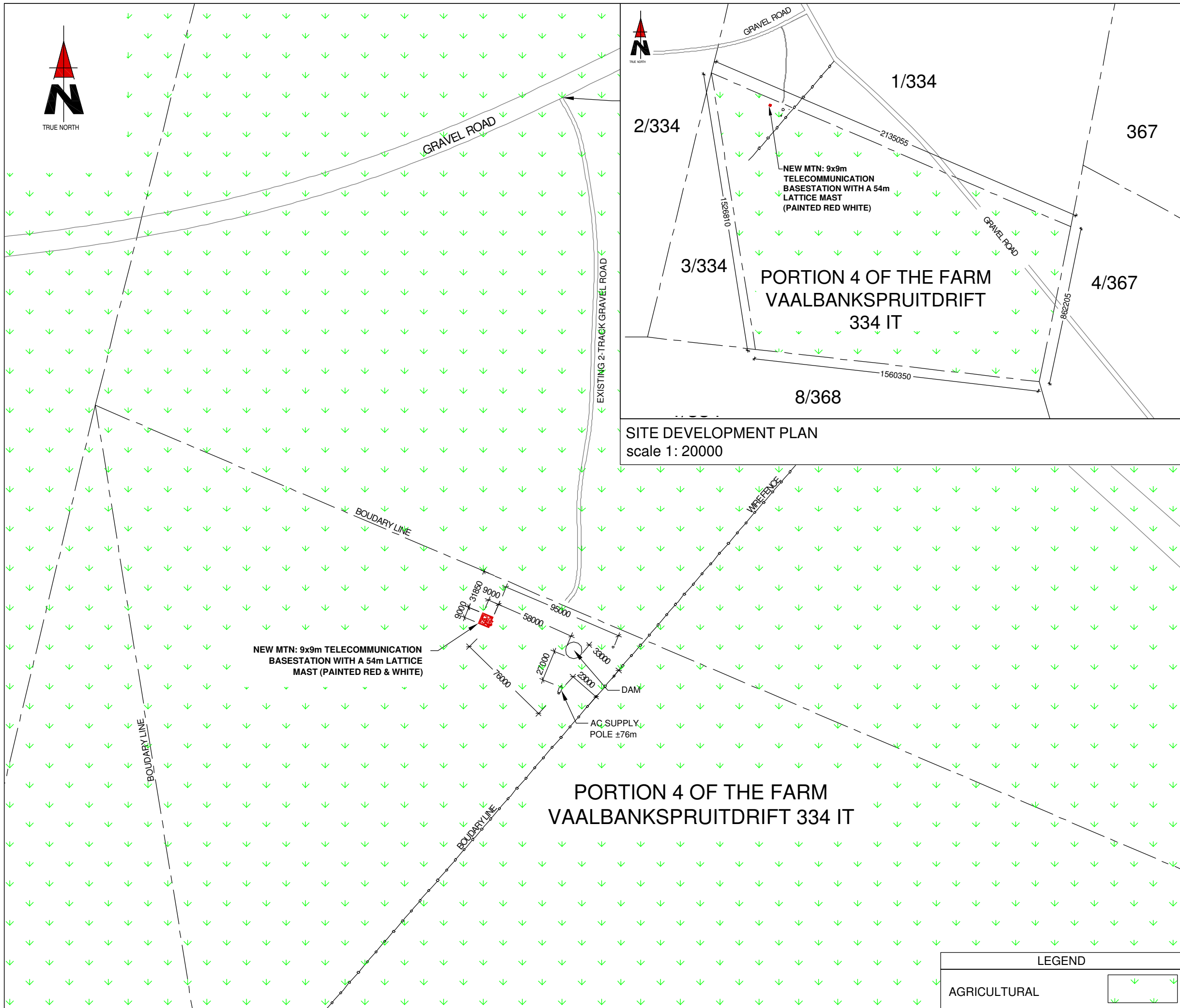
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148744

PROJECT NUMBER:  
116863

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DRAWN: MELISSA YOUNG      DATE: 22/11/2011  
SCALE: 1:3000      REF. NO: 812/T9246

**SITE DEVELOPMENT PLAN**  
**SHEET 3 OF 9**



**SITE DEVELOPMENT PLAN**  
scale 1: 20000

**PORTION 4 OF THE FARM**  
**VAALBANKSPRUITDRIFT 334 IT**



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**SITE NAME:**  
VAALBANKSPRUITDRIF

**BASE STATION NUMBER:**  
T9246

REV	DATE	BY	DESCRIPTION
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OWNER: ARNOLDI BERNARD

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0134

**RFQ NO.:**  
148744

**PROJECT NUMBER:**  
116863

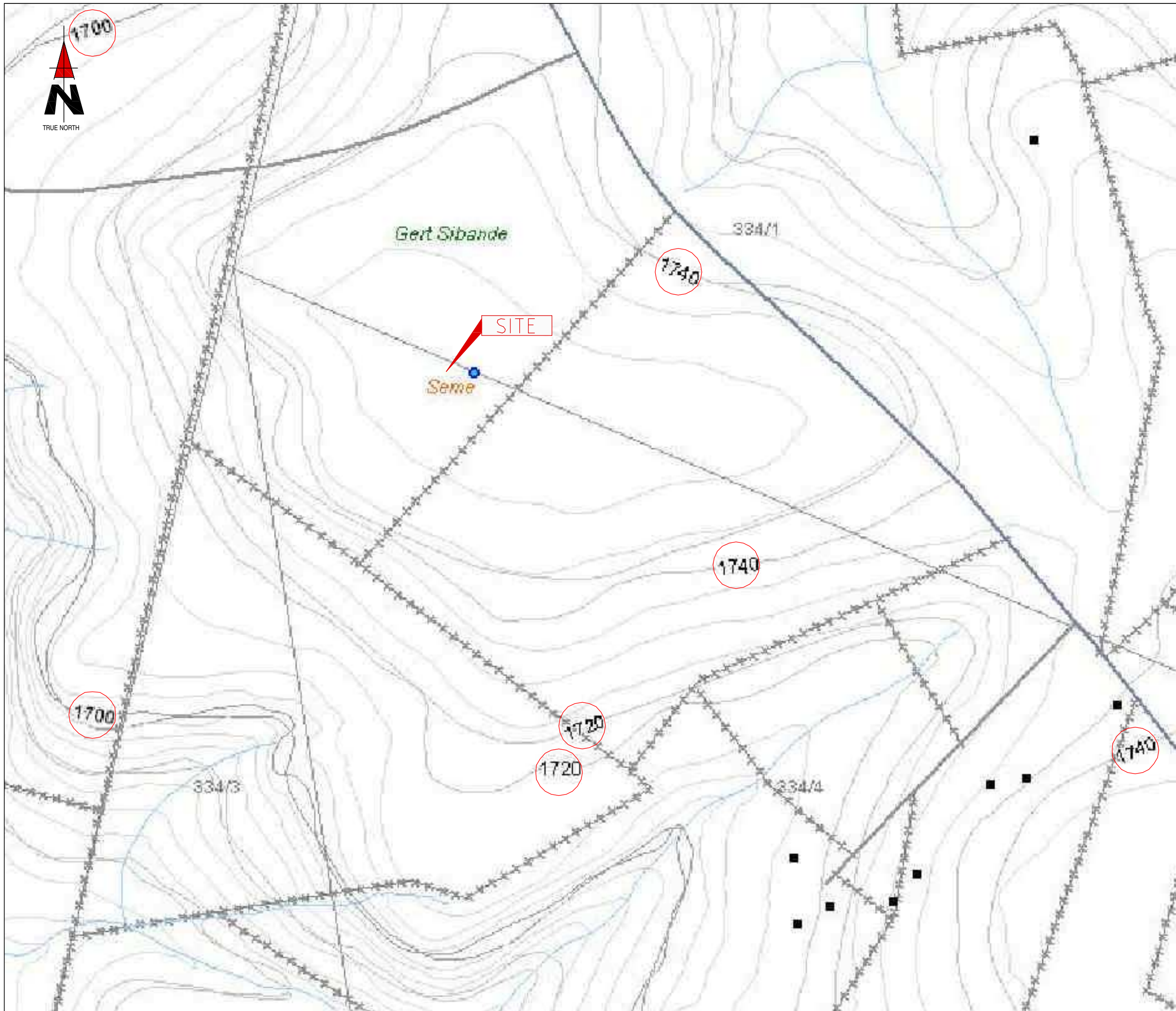
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ISSUE 1 REVISION 0 NOVEMBER 2007

**DRAWN:** MELISSA YOUNG **DATE:** 22/11/2011

**SCALE:** 1:3000 **REF. NO:** 812/T9246

LEGEND	
AGRICULTURAL	

**CURRENT LAND USE**  
**SHEET 4 OF 9**



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0134

RFQ NO.:  
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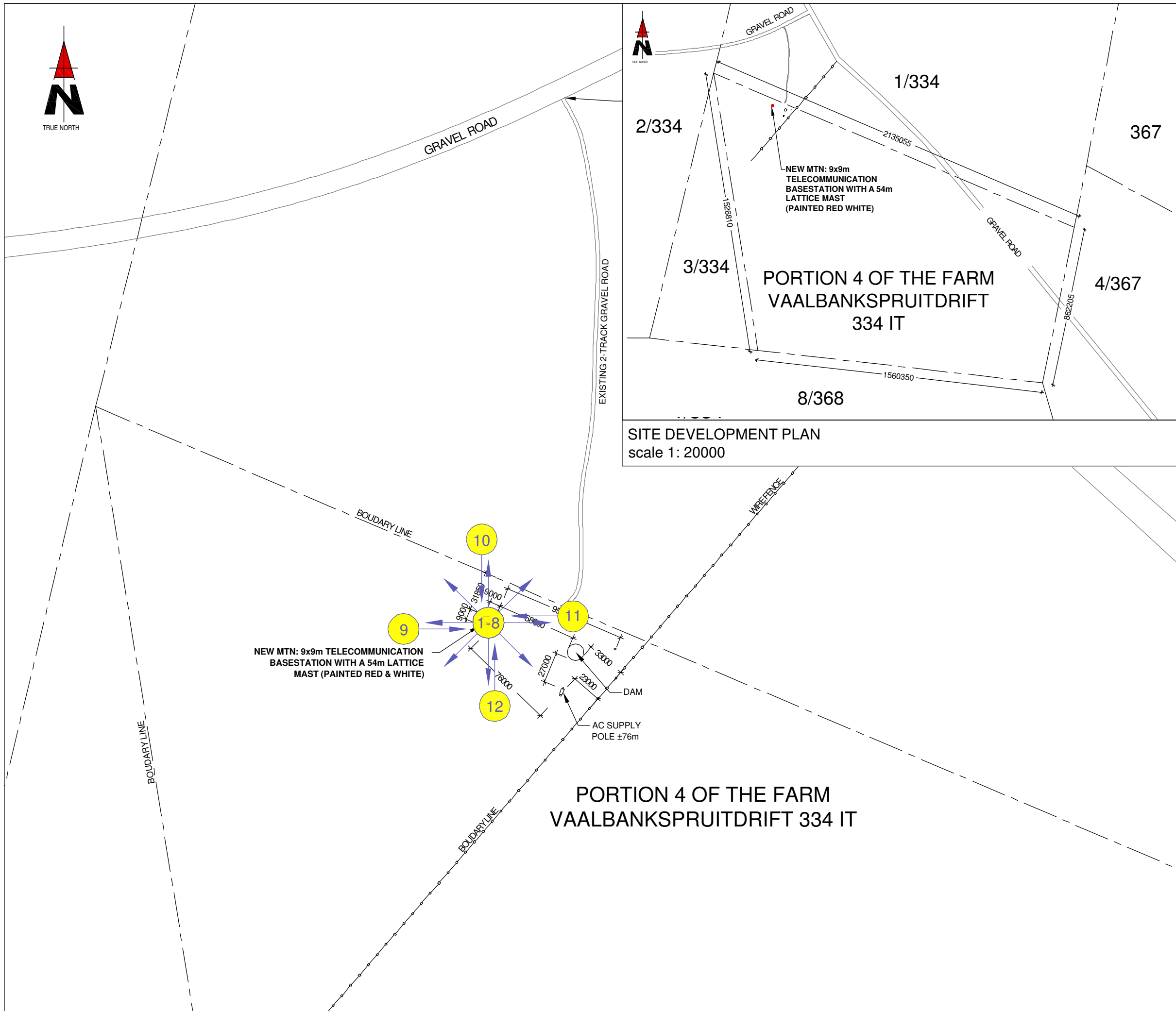
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CONTOUR INTERVAL  
SHEET 5 OF 9

**Appendix B: Site Photographs**



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Tel. +27 (12) 342 2900  
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Postnet Suite 146  
Private Bag X15  
Menlo Park

SITE NAME: **VAALBANKSPRUITDRIF**

BASE STATION NUMBER: **T9246**

REV	DATE	BY	DESCRIPTION
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SCALE: 1:3000

DATE: 22/11/2011  
REF. NO: 812/T9246

SITE PHOTOGRAPHS  
SHEET 6 OF 9



# SITE PHOTOGRAPHS



1. Panoramic view from the site direction North



2. Panoramic view from the site direction North East

# SITE PHOTOGRAPHS



**3. Panoramic view from the site direction East**



**4. Panoramic view from the site direction South East**

# SITE PHOTOGRAPHS



5. Panoramic view from the site direction South



6. Panoramic view from the site direction South West

# SITE PHOTOGRAPHS



7. Panoramic view from the site direction West



8. Panoramic view from the site direction North West

# SITE PHOTOGRAPHS



9. View on basestation position direction South



10. View on base station position direction East

# SITE PHOTOGRAPHS



11. View on base station position direction North



12. View on base station position direction West

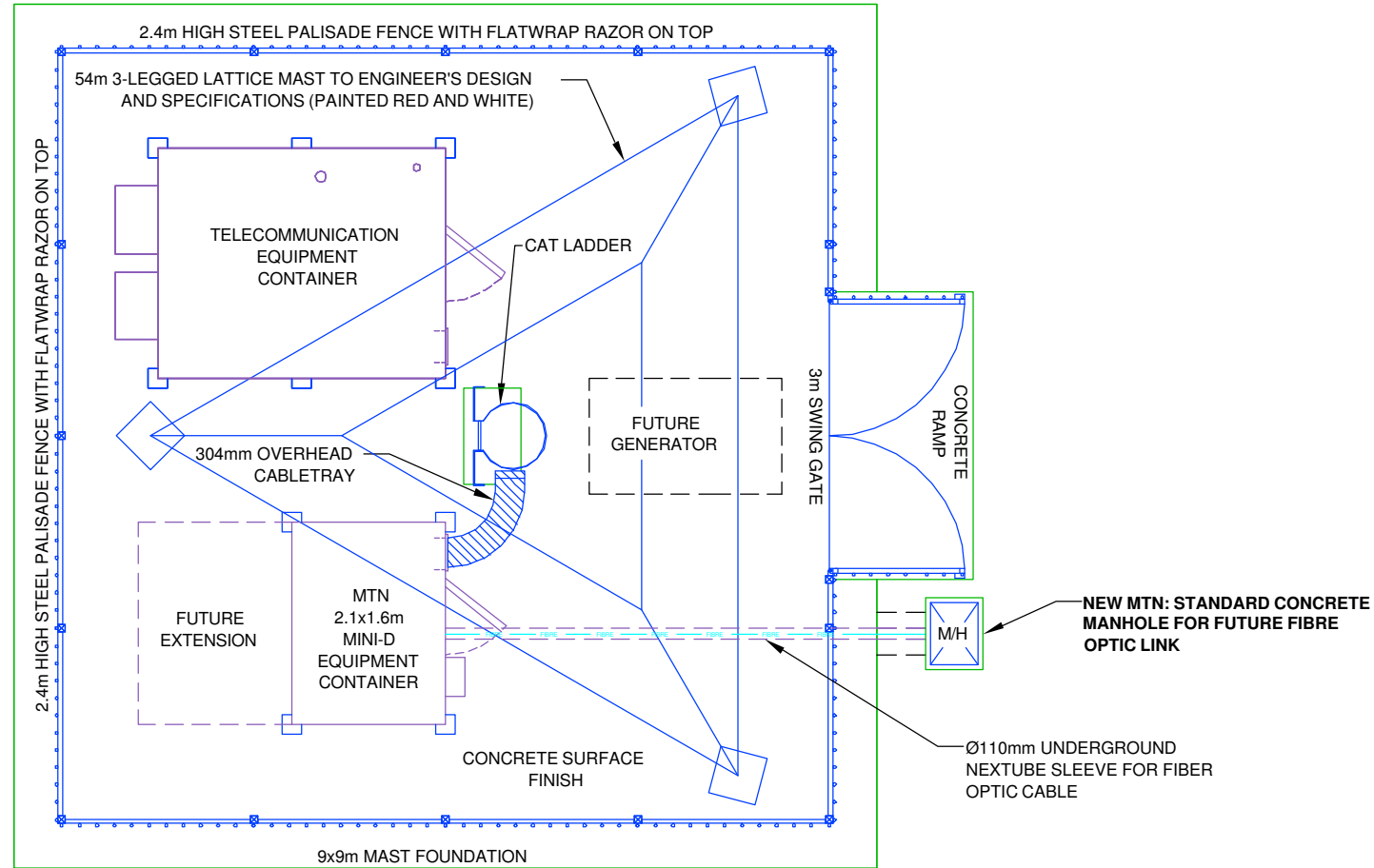
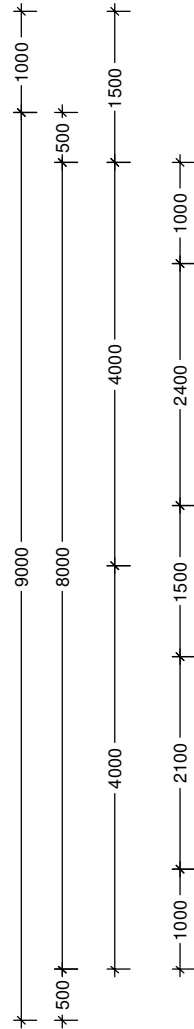
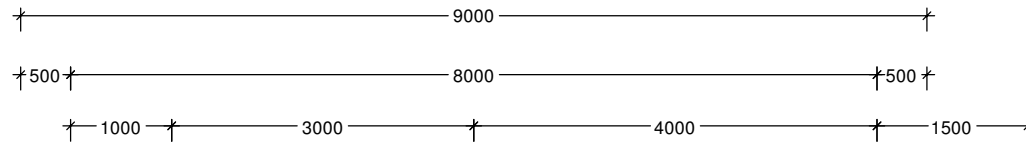
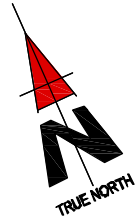
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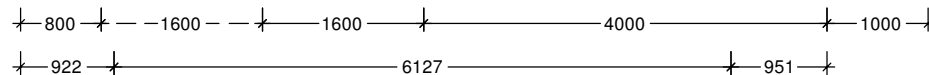
13. General view on site establishment area

## **Appendix C: Facility Illustrations**





PORTION 4 OF THE FARM  
VAALBANKSPRUITDRIFT 334 IT



1267 Pretorius Street  
Block B, Hadefields Complex  
Hatfield, 0083  
Tel. +27 (12) 342 2900  
Fax: +27 (12) 342 9208  
Postnet Suite 146  
Private Bag X15  
Menlo Park

SITE NAME:  
**VAALBANKSPRUITDRIF**

BASE STATION NUMBER:  
**T9246**

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0184  
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admin@infraplan.co.za  
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0134

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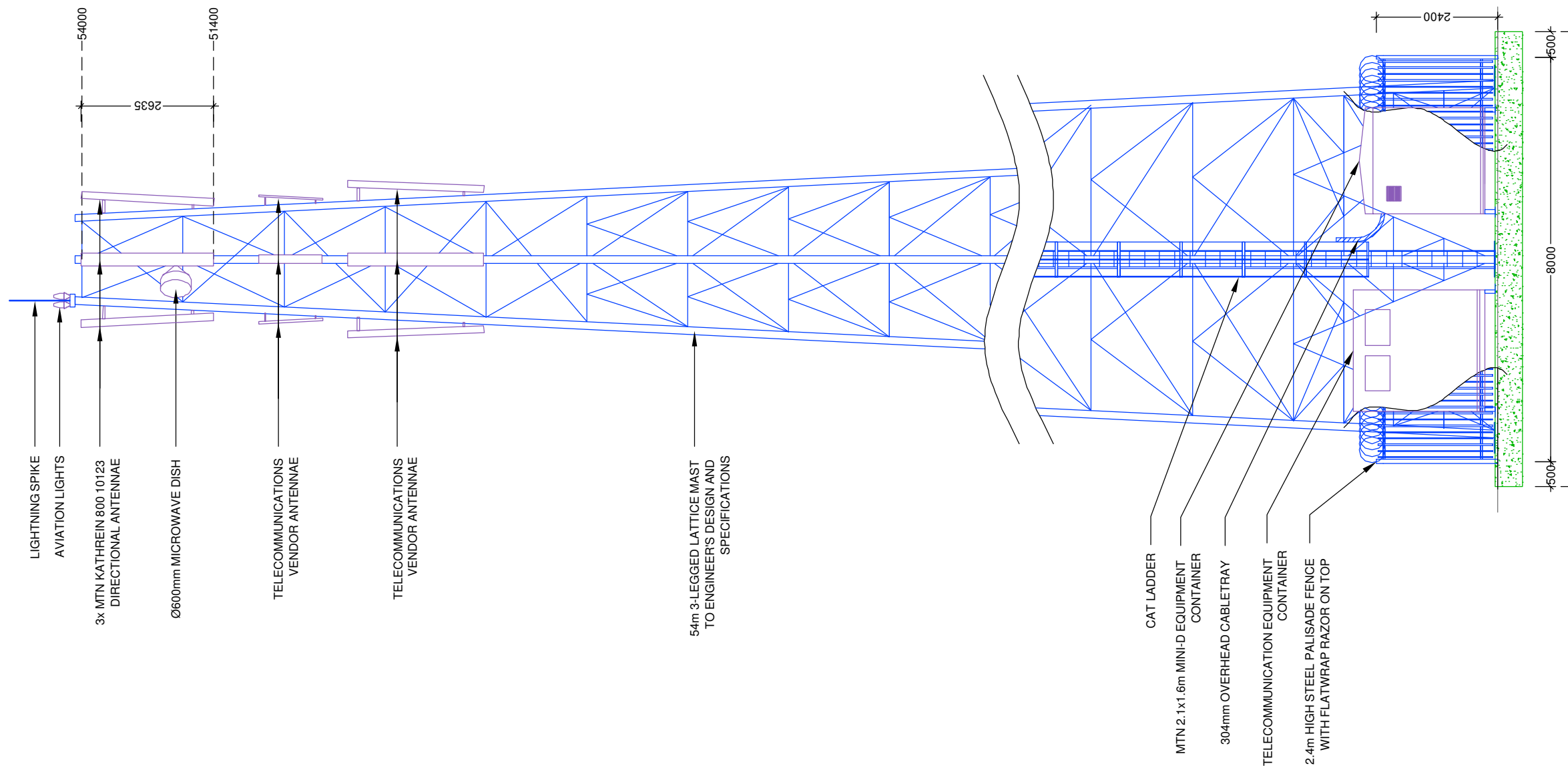
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SITE DETAIL  
SHEET 7 OF 9

# MTN ANTENNAE KEY

SECTOR	AZIMUTH	ANTENNA	HEIGHT - BOTTOM (m)	MECH. TILT	ELEC. TILT	FEEDER SIZE	FEEDER LENGTH (m)
1	0°	K800 10123	51.4			7/8"	± 56
2	120°	K800 10123	51.4			7/8"	± 56
3	240°	K800 10123	51.4			7/8"	± 56



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**WEST ELEVATION  
SHEET 8 OF 9**



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**FACILITY ILLUSTRATION  
SHEET 9 OF 9**



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

**Appendix D: Specialist Reports – Not Applicable**

**Appendix E: Comments and responses report**

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

Site number:  
Site Name:  
EIA reference no.:

**T9246**  
**VAALBANKSPRUITDRIF**  
**17/2/3GS-70**

Interested and Affected Parties Register							Comments and Responses Report	
No.	Date	Name	Address	Contact detail	Reacted to:	Record of initial I&AP registration	Issues raised / Comments received	EAP Response
1	02/02/2012	The Municipal Manager	Pixley ka Seme Local Municipality, Private Bag X9011, Volksrust, 2470	Mr WJ Mngomezulu, Environmental Management Section, Fax: 0177353004/ 0866302209, Email: mayor@pixleykaseme.co.za	NA	Auto I&AP	No comments received	Sent Draft BAR Sent copy of Final BAR
2	02/02/2012	The Ward Councillor	Pixley ka Seme Local Municipality, Private Bag X9011, Volksrust, 2470	Clr EM Madonsela, Ward 8, Fax: 0866302209	NA	Auto I&AP	No comments received	Sent Draft BAR Sent copy of Final BAR
3	02/02/2012	The District Municipality	Gert Sibande District Municipality, PO Box 550, Secunda, 2302	Mr M Ngcobo, Environmental Management Section, Fax: 0176311607, Email: marinda.booth@gsibande.go.za	NA	Auto I&AP	No comments received	Sent Draft BAR Sent copy of Final BAR
4	02/02/2012	SAHRA	South African Heritage Resources Agency, 111 Harrington str, Cape Town, 8000; PO Box 4637, Cape Town, 8000	Mr P Hine/Mrs Colette Scheermeyer, Tel: 0214624502, Fax: 0214624509, Email: phine@sahra.org.za	NA	Auto I&AP	No comments received	Sent Draft BAR Sent copy of Final BAR
5	02/02/2012	SACAA	Private Bag x73, Halfway House 1685	Tel: (011) 545 1000 Fax: (011) 545 1451	NA	Auto I&AP	Required Day & Night Markings	Mast to be painted red & white with red lights on top.
7	26/10/2011	Bernard Arnoldi	104 Rockwood Crescent, Woodlands, 0072; PO Box 61, Woodlands, 0072	Tel: 0129974514 Cell: 0828883061	Lease Negotiations	Land Owner	Signed Lease	Sent Draft BAR Sent copy of Final BAR

**Appendix F: EMPR**



## **Environmental Management Plan (EMPr)**

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

### **Mobile Telephone Networks (Pty) Ltd**

Project Reference Number:

17/2/3/GS-70

*Portion 4 of the farm Vaalbankspruitdrift 334 IT*

*T9246*

23 May 2012



## DOCUMENT APPRAISAL

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

**Department Reference Number: 17/2/3/GS-70**

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## EXECUTIVE SUMMARY

The proponent, MTN (Pty) Ltd, intends **ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION MAST ON PORTION 4 OF THE FARM VAALBANKSPRUITDRIFT 334 IT**

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

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

# 1 INTRODUCTION

## 1.1 Background and Brief Project Description

The proposed project involves **ESTABLISHMENT OF A 54M MTN (PTY) LTD TELECOMMUNICATION MAST PAINTED RED & WHITE ON PORTION 4 OF THE FARM VAALBANKSPRUITDRIFT 334 IT**

**TORBIOUSE SOLUTIONS CC** was appointed to compile the Environmental Management Program in respect of the proposed project.

### 1.1.1 Aims of the EMPR

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

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

### 1.1.2 Contents of the EMPR

The EMPR consists of the following sections:

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

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

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

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

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

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

## **2 ADMINISTRATION AND REGULATION OF ENVIRONMENTAL OBLIGATIONS**

### **2.1 Environmental Site Agent**

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

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

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

### **2.2 Environmental Awareness Training for Site Personnel**

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

## **2.3 On Site Communication Procedure**

### **2.3.1 Environmental Awareness Training for Site Personnel**

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

### **2.3.2 Record Keeping**

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

### **2.3.3 Photographs**

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

### **2.3.4 Environmental Audit Report**

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

## **2.4 Basic Rules of Conduct**

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



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

**DO:**

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

**DONT:**

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

## 2.5 Internal Review and Auditing

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

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

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

### **3 ENVIRONMENTAL SPECIFICATIONS: CONSTRUCTION PHASE**

#### **3.1 Site Demarcation**

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

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

#### **3.2 Construction Facilities**

##### **3.2.1 Construction Camp**

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

##### **3.2.2 Toilet Facilities**

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

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

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

### **3.2.3 Water Provision**

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

### **3.2.4 General Aesthetics**

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

## **3.3 Site Clearing**

### **3.3.1 Vegetation Clearing**

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

### **3.3.2 Site Access**

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

### **3.3.3 Trenching**

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

## **3.4 Materials Handling and Storage**

### **3.4.1 Handling**

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

### **3.4.2 Storage of Construction Materials**

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

### **3.4.3 Storage of Equipment**

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

## **3.5 Refuelling and Maintenance**

### **3.5.1 Refuelling**

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

### **3.5.2 Maintenance**

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

### **3.6 Accidental Leaks and Spills**

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

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

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

### **3.7 Waste Management**

#### **3.7.1 Solid Waste**

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

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

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

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

#### Erosion Control

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

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

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

### **3.8 Fire Control**

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

### **3.9 Protection of Natural Features, Flora and Fauna**

#### **3.9.1 Protection of Natural Features**

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

### **3.9.2 Protection of Flora**

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

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

### **3.9.3 Protection of Fauna**

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

## **3.10 Protection of Heritage and Cultural Features**

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

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

## **3.11 Dust Control**

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



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

### 3.12 Noise Control

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

### 3.13 Cement

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

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

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

### 3.14 Mast Colour

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

### 3.15 Complaints Register

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

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

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

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

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

## 4 ENVIRONMENTAL SPECIFICATIONS: OPERATIONAL PHASE

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

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

### 4.1.1 Maintenance

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

1. All BTS sites must be maintained and cleaned as per the schedule set by the Field Maintenance Supervisor responsible;
2. The items that must be checked will be as per the list below and as reflected in detail in the Site Maintenance Report and Statement of Work reference documentation;
  - a. Fence and Gate: Secure and rust treat as necessary;
  - b. Signage: Check all signs as per the BTS Site Infrastructure Specification;
  - c. Terrain:
    - i. Clean and de-weed inside and outside the BTS site and clean a 1m perimeter area around the fence. In areas susceptible to soil erosion, cut weed perimeter in such a way as to protect soil from erosion;
    - ii. De-weed invasive vegetation in the surrounding area of the BTS site;
    - iii. Check for any rubble that could have accumulated from previous maintenance work or during the BTS site build and remove and dump 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	Report to ESA and continue observations. <b>Also check:</b> ➤ That the source causing the spillage is decommissioned, and that the affected area is isolated to prevent spreading of the hazardous substance	Action will be required asap by following the next steps: ➤ Dig down into the soil to see how far down the pollution has penetrated; ➤ If penetration is less than 300mm: a. Turn the soil over to expose it to the air; b. Apply Mono Ammonium Phosphate (MAP) at a rate of 58gr/m <sup>2</sup> to the dug up soil c. Water enough to keep the soil moist ➤ If penetration is greater than 300mm: a. Remove the affected soil and spread in a layer not more than 300mm thick; b. Apply MAP at a rate of 50gr/m <sup>2</sup> c. Water enough to keep the soil moist ➤ Repeat the above steps every 6 weeks or until the soil is clean
General Surface Erosion	Report to ESA and continue observations. <b>Also check:</b> ➤ 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.	Action will be required asap: ➤ Implement erosion protection works at identified problem areas; ➤ Implement remedial works to be done at affected areas in order to restore the area to its previous or better status.



This EMPR has been assessed/reviewed and agreed with:

\_\_\_\_\_

**HOD – Implementation**

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

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

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

\_\_\_\_\_

**SUPERVISOR – Property**

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

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

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

\_\_\_\_\_

**Environmental Consultant (ESA)**

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

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

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

\_\_\_\_\_

**HOD - Maintenance**

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

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

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

**Appendix G1: Public Participation and Other Information**

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

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

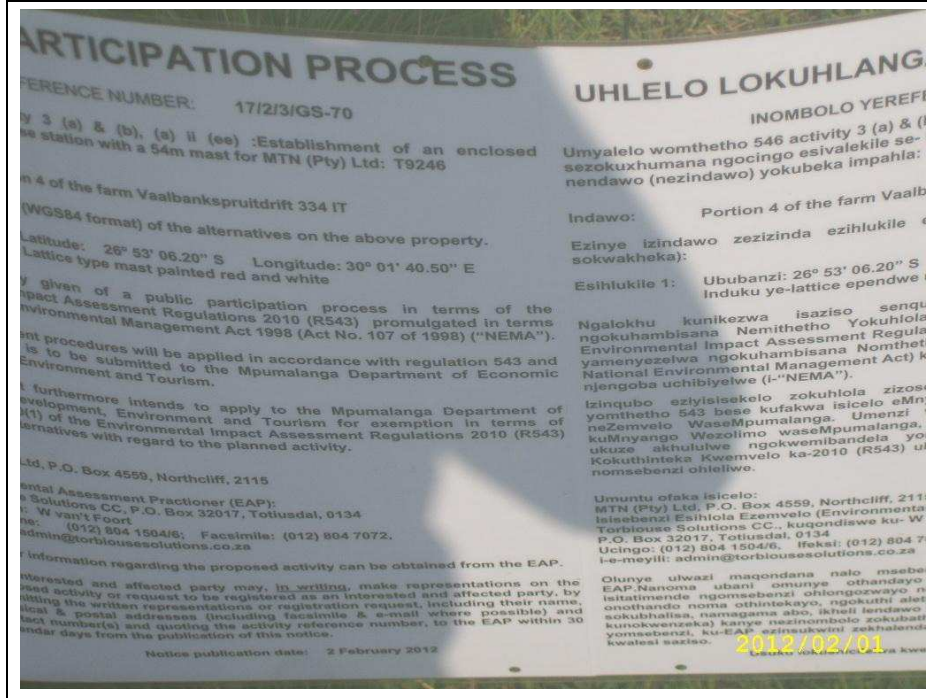
**G1(c) - South African Civil Aviation Authority Information**

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

**G1(e) – Register of Interested and Affected Parties**

**G1(a) – Proof of Site Notice**

# Proof of Site Notice



Site Notice 1 affixed to stand Next to Road sign of end of the road



Site Notice 1 affixed to stand Next to Road sign of end of the road

# Proof of Site Notice



**Site Notice 1 affixed to stand Next to Road sign of end of the road**



**Site Notice 2 affixed to stand Next to Road sign to Ermelo**

# Proof of Site Notice

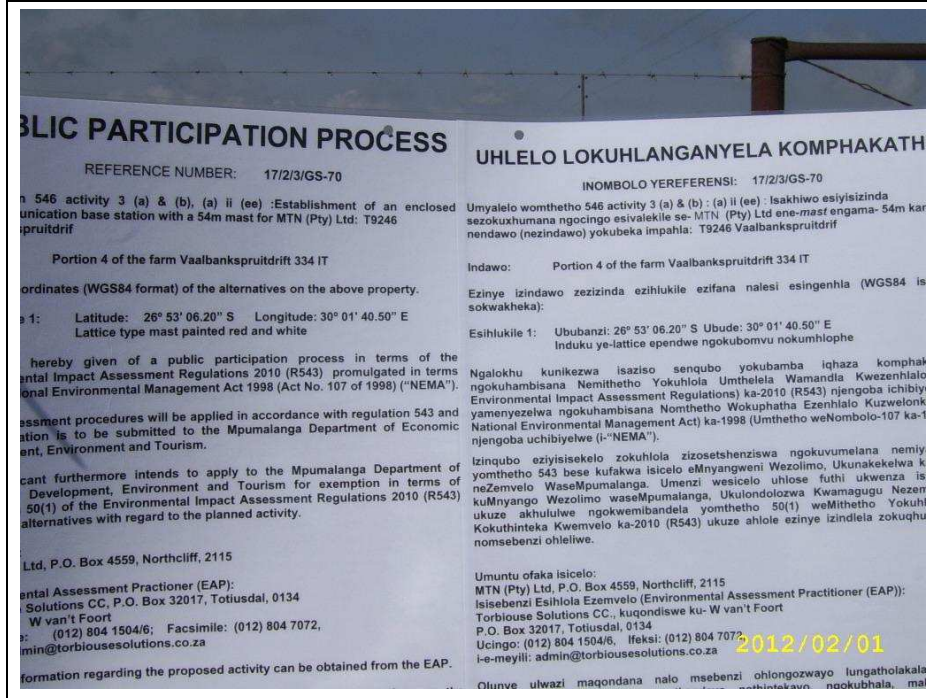


Site Notice 2 affixed to stand Next to Road sign to Ermelo



Site Notice 2 affixed to stand Next to Road sign to Ermelo

# Proof of Site Notice



Site Notice 3 affixed to stand next to entrance



Site Notice 3 affixed to stand next to entrance

# Proof of Site Notice



**Site Notice 3 affixed to stand next to entrance**



**G1(b) – Proof of Written Notices**

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

T9246



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

Name and address of sender **Torbouse Solutions**  
 Naam en adres van afsender.....  
 PO BOX 32017  
 TOTIUSDAL 0134  
 TEL: (012) 804 1804/8

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

No	Name and address of addressee Naam en adres van geadresseerde	Insured amount Versekerde bedrag	Insurance fee Versekeringsgeld	Postage Posgeld	Service fee Diensgeld	Affix Track and Trace customer copy Plak Volg-en-Spoor-klëntafskrif	
1	Reinhardt Arnoldi Familie Trust P.O. Box 61 Woodlands 0072	Part 4 of the Farm Vlaakfontein		367	IT	REGISTERED LETTER (with a domestic insurance option) ShareCall 0800 111 502 www.sapo.co.za RD 604 456 865 ZA	
2	Mr. Bernard Arnoldi P.O. Box 61 Woodlands 0072	R.E. of Part 1 and of the Farm Vaalbosk-			Part 3	CUSTOMER COPY 301028R REGISTERED LETTER (with a domestic insurance option) ShareCall 0800 111 502 www.sapo.co.za RD 604 456 857 ZA	
3		Pruitdrieff		334	IT	CUSTOMER COPY 301028R	
4	Mrs. B. J. Kemp P.O. Box 486 Morgenzen 2315	R.E. of Part 2 of the Farm Vaalbosk Spruitdrieff				REGISTERED LETTER (with a domestic insurance option) ShareCall 0800 111 502 www.sapo.co.za RD 604 456 843 ZA	
5		334	IT			CUSTOMER COPY 301028R	
6							
7							
8							
9							
10							
		Total Totaal		R	R	R	R

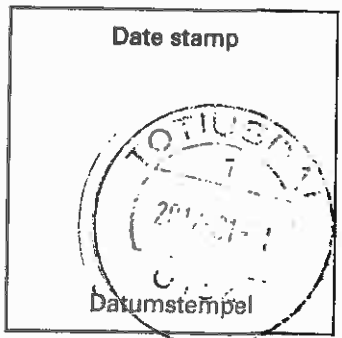
Number of letters posted **3**  
 Getal briewe gepos .....

Signature of client  
 Handtekening van kliënt.....

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

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

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



Our Reference:  
T9246 / / 17/2/3/GS - 70

Your Reference:

2 February 2012

**Owner Portion 4 of the Farm Vlakfontein 367 IT**  
Reinhardt Arnoldi Familietrust  
P O Box 61  
Woodlands  
0072



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](mailto: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 (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 4 OF THE FARM VAALBANKSPRUITDRIFT 334 IT.**

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 4 of the Farm Vaalbankspruitdrift 344 IT**

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

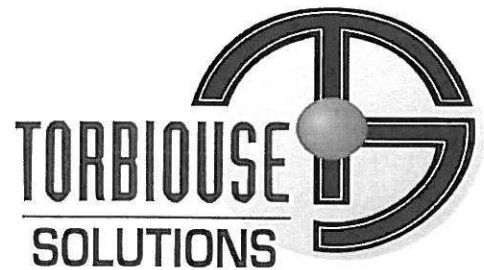
**WA VAN'T FOORT**  
For: Torbious Solutions CC

Our Reference:  
T9246 // 17/2/3/GS - 70

Your Reference:

2 February 2012

**Owner Portion 6 of the Farm Knelpoort 368 IT**  
Jan Van Niekerk Trust



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

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

e-mail: [admin@torbiousolutions.co.za](mailto: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 (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 4 OF THE FARM VAALBANKSPRUITDRIFT 334 IT.**

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2. Site Development plan
3. Facility Illustration

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Yours faithfully

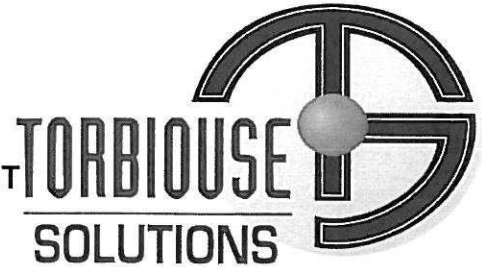
  
**WA VAN'T FOORT**  
For: Torbious Solutions CC

Our Reference:  
T9246 / / 17/2/3/GS - 70

Your Reference:

2 February 2012

**Owner Remaining Extent of the Farm Vlakfontein 367 IT**  
Deone Familie Trust



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

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

e-mail: admin@torbiousolutions.co.za

**Via Registered Mail**

**DEAR SIR/MADAM**

**INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 4 OF THE FARM VAALBANKSPRUITDRIFT 334 IT.**

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2. Site Development plan
3. Facility Illustration

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

Yours faithfully

**WA VAN'T FOORT**  
For: Torbious Solutions CC

Our Reference:  
T9246 / / 17/2/3/GS - 70

Your Reference:

2 February 2012

**Owner Remaining Extent of Portion 1 and Portion 3  
of the Farm Vaalbankspruitdrift 334 IT**

Mr Bernard Arnoldi  
P O Box 61  
Woodlands  
0072



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

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

e-mail: [admin@torbiousesolutions.co.za](mailto:admin@torbiousesolutions.co.za)

**Via Registered Mail**

**DEAR SIR/MADAM**

**INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 4 OF THE FARM VAALBANKSPRUITDRIFT 334 IT.**

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2. Site Development plan
3. Facility Illustration

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

Yours faithfully

**WA VAN'T FOORT**  
For: Torbiouse Solutions CC

Our Reference:  
T9246 / / 17/2/3/GS - 70

Your Reference:

2 February 2012

**Owner Remaining Extent of Portion 2 of the Farm  
Vaalbankspruitdrift 334 IT**  
Ms B J Kemp  
P O Box 486  
Morgenzon  
2315



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](mailto:admin@torbioussolutions.co.za)

**Via Registered Mail**

**DEAR SIR/MADAM**

**INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 4 OF THE FARM VAALBANKSPRUITDRIFT 334 IT.**

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2. Site Development plan
3. Facility Illustration

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

Yours faithfully

**WA VAN'T FOORT**  
For: Torbious Solutions CC

## PUBLIC PARTICIPATION PROCESS

REFERENCE NUMBER: 17/2/3/GS-70

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

Location: Portion 4 of the farm Vaalbankspruitdrift 334 IT

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

**Alternative 1:** Latitude: 26° 53' 06.20"S Longitude: 30° 01' 40.50" E  
Lattice type mast painted red and white

Notice is hereby given of a public participation process in terms of the Environmental Impact Assessment Regulations 2010 (R543) as amended and 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 is to be submitted to the Mpumalanga Department of Economic Development, Environment and Tourism.

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

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

**Environmental Assessment Practitioner (EAP):**

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

Attention: : W Van't Foot  
Telephone: (012) 804 1504/6; Facsimile: (012) 804 7072  
E-mail: admin@torbiosesolutions.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 KOMPHEKATHI

INOMBOLO YEREFERENSI: 17/2/3/GS-70

Umyalelo womthetho 546 umsebenzi 3 (a) & (b) : (a) ii (ee) : Isakhiwo esiyizizinda sezokuxhumana ngocingo esivalekile se-MTN (Pty) Ltd ene-mast engama-54m kanye nendawo (hezindawo) yokubeka impanha: T9246  
Vaalbankspruitdrif

Indawo: Portion 4 of the farm Vaalbankspruitdrift 334 IT

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

**Esihlukile 1:** Ububanzi: 26° 53' 06.20"S Ubude: 30° 01' 40.50" 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 yamnyezelwa ngokuhambisana Nomithetho Wokuphatha Ezenhlalo Kuzwelonke (i-National Environmental Management Act) ka-1998 (Umthetho weNombolo-107 ka-1998) njengoba uchibiyelwe (i-"NEMA"). Izingubo 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.

**Umntu ofaka isicelo:**

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

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

Torbiose Solutions CC., P.O. Box 32017, Totiusdal, 0134  
kuqondiswe ku- W Van't Foot

Ucingo: (012) 804 1504/6, Ifeksi: (012) 804 7072,  
i-e-meyili: admin@torbiosesolutions.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 esibhalliwe noma isicelo sokubhalisa, namagama abo, ikheli lendawo neleposi (kufakwe ifeksi ne-e-meyili uma kunokwenzeka) kanye nezinombolo zokubathintla futhi basho nenombolo yereferensi yomsebenzi, ku-EAP ezinsukwini zekhalenda ezingama-30 kusukela ekushicilelweni kwalesi saziso.

Usuku lokushicilelwa kweSaziso:

2 February 2012







127 Pretoria Blvd  
 Suite B Sandhurst Complex  
 Sandhurst 2088  
 Tel: +27 (0) 21 443 3888  
 Fax: +27 (0) 21 443 3889  
 Email: info@mtn.co.za  
 Permit No: 148  
 Permit Exp: 31/03/2011

**SITE NAME**  
**VAALBANKSPRUITDRIF**

**BASE STATION NUMBER**  
**T9246**

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

**NOTES**  
 OTHER ANGLES REMAIND

**PROPERTY DESCRIPTION**  
 STRICTLY COMPANY CONFIDENTIAL  
 PORTION 4 OF THE FARM VAALBANKSPRUITDRIF 3341T

**COORDINATES**  
 LAT 29° 53' 09.20" S  
 LONG 30° 01' 40.50" E

**PROJECT**  
 NEW 900m TELECOMMUNICATION BASESTATION  
 WITH A 54m LATTICE MAST FOR MTN (PTY) LTD

**ADDRESS**  
 VAALBANK SPRUIT DRIFT,  
 FAMILIE HOEK ROAD,  
 AMERSFOORT,  
 MPUMALANGA



414 Ruyter Road  
 Sandhurst  
 Sandhurst  
 Tel: +27 (0) 21 264 1804/8  
 Fax: +27 (0) 21 264 1072  
 Email: info@ip-services.co.za

**RFQ NO**  
 148744

**PROJECT NUMBER**  
 116893

**DRAWN** MELISSAYOUNG  
**DATE** 22/11/2011  
**SCALE** NTS  
**REF NO** 81208245

**FACILITY ILLUSTRATION**  
 SHEET 9 OF 9

DRAWINGS MUST NOT BE SCALED. ONLY DIMENSIONS TO BE USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT. ALL WORK TO BE PERFORMED ACCORDING TO IPRS SITE PLAN. INFRASTRUCTURE SUCCESSORS: R91/01/001. ISSUE 1: VERSION 9 NOVEMBER 2011.



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

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

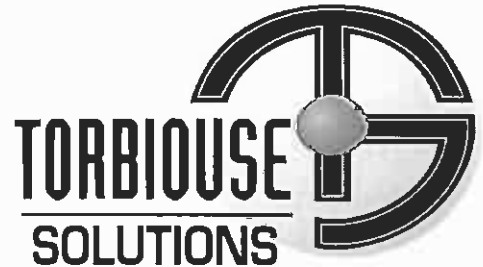
Site number:  
Site Name:  
EIA reference no.:

**T9246**  
**VAALBANKSPRUITDRIF**  
**17/2/3GS-70**

Interested and Affected Parties Register							Comments and Responses Report	
No.	Date	Name	Address	Contact detail	Reacted to:	Record of initial I&AP registration	Issues raised / Comments received	EAP Response
1	02/02/2012	The Municipal Manager	Pixley ka Seme Local Municipality, Private Bag X9011, Volksrust, 2470	Mr WJ Mngomezulu, Environmental Management Section, Fax: 0177353004/ 0866302209, Email: mayor@pixleykaseme.co.za	NA	Auto I&AP	No comments received	Sent Draft BAR Sent copy of Final BAR
2	02/02/2012	The Ward Councillor	Pixley ka Seme Local Municipality, Private Bag X9011, Volksrust, 2470	Clr EM Madonsela, Ward 8, Fax: 0866302209	NA	Auto I&AP	No comments received	Sent Draft BAR Sent copy of Final BAR
3	02/02/2012	The District Municipality	Gert Sibande District Municipality, PO Box 550, Secunda, 2302	Mr M Ngcobo, Environmental Management Section, Fax: 0176311607, Email: marinda.booth@gsibande.go.za	NA	Auto I&AP	No comments received	Sent Draft BAR Sent copy of Final BAR
4	02/02/2012	SAHRA	South African Heritage Resources Agency, 111 Harrington str, Cape Town, 8000; PO Box 4637, Cape Town, 8000	Mr P Hine/Mrs Colette Scheermeyer, Tel: 0214624502, Fax: 0214624509, Email: phine@sahra.org.za	NA	Auto I&AP	No comments received	Sent Draft BAR Sent copy of Final BAR
5	02/02/2012	SACAA	Private Bag x73, Halfway House 1685	Tel: (011) 545 1000 Fax: (011) 545 1451	NA	Auto I&AP	Required Day & Night Markings	Mast to be painted red & white with red lights on top.
7	26/10/2011	Bernard Arnoldi	104 Rockwood Crescent, Woodlands, 0072; PO Box 61, Woodlands, 0072	Tel: 0129974514 Cell: 0828883061	Lease Negotiations	Land Owner	Signed Lease	Sent Draft BAR Sent copy of Final BAR

Our Reference:  
T9246 / 17/2/3/GS-70

Your Reference:



2 February 2012

The Municipal Manager  
Pixley ka Seme Local Municipality  
Private Bag X 9011  
Volksrust  
2470

Reg. No. 2001/080535/23

PO Box 32017, Totiusdal, 0134

414 Rustic Road  
Silvertondale, 0184  
Pretoria

Attention: Mr W.J.Mngomezulu  
Environmental Management Section

Tel: (012) 804 1504/ 6

Fax: (012) 804 7072

e-mail: admin@torbiousesolutions.co.za

Facsimile: (017) 735 3004/ 086 630 2209

E-mail: mayor@pixleykaseme.co.za

Dear Sir / Madam,

**INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 ("NEMA") AS AMENDED TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (A) & (B) : (A) II (EE) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 4 OF THE FARM VAALBANKSPRUITDRIFT 334 IT.**

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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Destination	Start Time	Time	Prints	Result	Note
0177353004	02-01 14:39	00:02:06	005/010	Cont	
0177353004	02-01 14:44	00:00:38	000/010	Cont	
0177353004	02-01 15:24	00:06:22	005/010	OK	

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

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

Our Reference:  
T9246 / 17/2/3/GS-70

Your Reference:

2 February 2012

The Municipal Manager  
 Pixley ka Seme Local Municipality  
 Private Bag X 9011  
 Volkerust  
 2470

Attention: Mr W.J.Mngomezulu  
 Environmental Management Section

Facsimile: (017) 735 3004/ 086 630 2209  
 E-mail: mayor@pixleykaseme.co.za



Reg. No. 2001/080635/23  
 PO Box 32017, Tottiusdal, 0134  
 414 Rustic Road  
 Silvertondale, 0184  
 Pretoria  
 Tel: (012) 804 1504/ 6  
 Fax: (012) 804 7072  
 e-mail: admin@torbiouseesolutions.co.za

Dear Sir / Madam,

**INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 ("NEMA") AS AMENDED TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (A) & (B) : (A) II (EE) IN REGULATION 548: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 4 OF THE FARM VAALBANKSPRUITDRIFT 334 IT.**

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: Torbiouse Solutions cc

Comments:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Our Reference:  
T9246 / 17/2/3/GS-70

Your Reference:

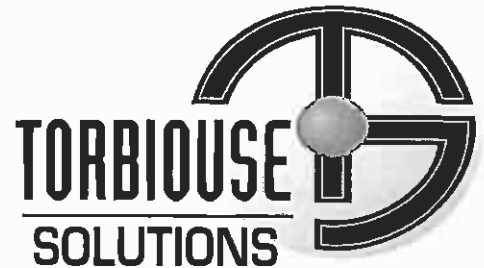
2 February 2012

The Ward Councillor  
Pixley ka Seme Local Municipality  
Private Bag X 9011  
Volkrust  
2470

Attention: Cllr E M Madonsela  
Councillor: Ward 8

Facsimile: 086 630 2209

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 (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 4 OF THE FARM VAALBANKSPRUITDRIFT 334 IT.**

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

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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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Destination	Start Time	Time	Prints	Result	Note
0866302209	02-01 14:47	00:37:05	010/010	OK	

Note TX: Timer TX, PCL: Polling, ORG: Original Size Setting, FME: Frame Erase TX, MX: Mixed Original TX, CALL: Manual TX, CIRC: CIRC, FWD: Forward, PC: PC-Fax, BND: Double-Sided Binding Direction, SB: Special original, FCODE: F-code, RTX: Re-TX, RL: Relay, MBX: Confidential, BUL: Bulletin, SIP: SIP Fax, IPADR: IP Address Fax, I-FAX: Internet Fax

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

Our Reference:  
T9246 / 17/2/3/GS-70

Your Reference:

2 February 2012

The Ward Councillor  
Pixley ka Seme Local Municipality  
Private Bag X 9011  
Volkrust  
2470

Attention: Cnr E M Madonsela  
Councillor: Ward 8

Facsimile: 086 630 2209  
E-mail:

Dear Sir / Madam,



Reg. No. 2001/080536/23  
PO Box 32017, Tottusdal, 0134  
414 Rustic Road  
Silvertondale, 0184  
Pretoria  
Tel: (012) 804 1804/6  
Fax: (012) 804 7072  
e-mail: admin@torbiouse.com

**INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 ("NEMA") AS AMENDED TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) II (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 4 OF THE FARM VAALBANKSPRUITDRIFT 334 IT.**

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

Kind Regards,

*WA VAN'T FOORT*  
WA VAN'T FOORT  
For: Torbiouse Solutions cc

Comments:

---



---



---

Our Reference:  
T9246 / 17/2/3/GS-70

Your Reference:



2 February 2012

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

Reg. No. 2001/080535/23

PO Box 32017, Totlusdal, 0134

414 Rustic Road  
Silvertondale, 0184  
Pretoria

Tel: (012) 804 1504/ 6

Fax: (012) 804 7072

e-mail: [admin@torbiousolutions.co.za](mailto:admin@torbiousolutions.co.za)

Attention: Mr M.Ngcobo  
Environmental Management Section

Facsimile: 017) 631 1607  
E-mail: [marinda.booth@gsibande.gov.za](mailto:marinda.booth@gsibande.gov.za)

Dear Sir / Madam,

**INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 ("NEMA") AS AMENDED TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 4 OF THE FARM VAALBANKSPRUITDRIFT 334 IT.**

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Kind Regards,

  
**WA VAN'T FOORT**

For: Torbious Solutions cc

**Comments:**

---

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Destination	Start Time	Time	Prints	Result	Note
0178111207	02-07 14:23	00:02:59	010/010	OK	

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

Result OK: Communication OK, S-OK: Stop Communication, PW-OFF: Power Switch OFF,  
TEL: RX from TEL, NG: Other Error, Cont: Continue, No Ans: No Answer,  
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DC:Decode Error, MDN:MDN Response Error, DSN:DSN Response Error.

Our Reference:  
T9248 / 17/2/3/GS-70

Your Reference:

2 February 2012

The Municipal Manager  
Gert Sibande District Municipality  
P.O.Box 560  
Secunda  
2302

Attention: Mr M.Ngcobo  
Environmental Management Section

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



Reg. No. 2001/060836/23  
PO Box 32017, Totodsal, 0124

414 Rustic Road  
Silvertondale, 0184  
Pretoria

Tel: (012) 804 1504/8  
Fax: (012) 804 7072  
e-mail: admin@torbiousesolutions.co.za

Dear Sir / Madam,

**INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 ("NEMA") AS AMENDED TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) II (ee) IN REGULATION 548: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 4 OF THE FARM VAALBANKSPRUITDRIFT 334 IT.**

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Kind Regards,

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

Comments:

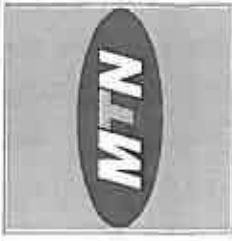
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1487 Pretorius Street  
 Midrand, Gauteng  
 1685  
 Tel: +27 (0) 21 543 8000  
 Fax: +27 (0) 21 543 8000  
 Website: www.mtn.com

Project Name: Vaalbankspruitdrif  
 Project No: T9246

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

NOTES  
 OWNER: ANDRÉ BERNARD

STRICTLY COMPANY CONFIDENTIAL  
 PROPERTY DESCRIPTION  
 PORTION 4 OF THE FARM VAALBANKSPRUITDRIF 334 IT

COORDINATES  
 LAT 29° 53' 06.20" S  
 LONG 30° 01' 40.50" E

PROJECT  
 NEW 900m TELECOMMUNICATION BASESTATION  
 WITH A 54m LATTICE MAST FOR MTN (PTY) LTD

ADDRESS  
 VAALBANK SPRUIT DRIFT  
 FAMILIE HOEK ROAD  
 MIDRAND, GAUTENG  
 1685



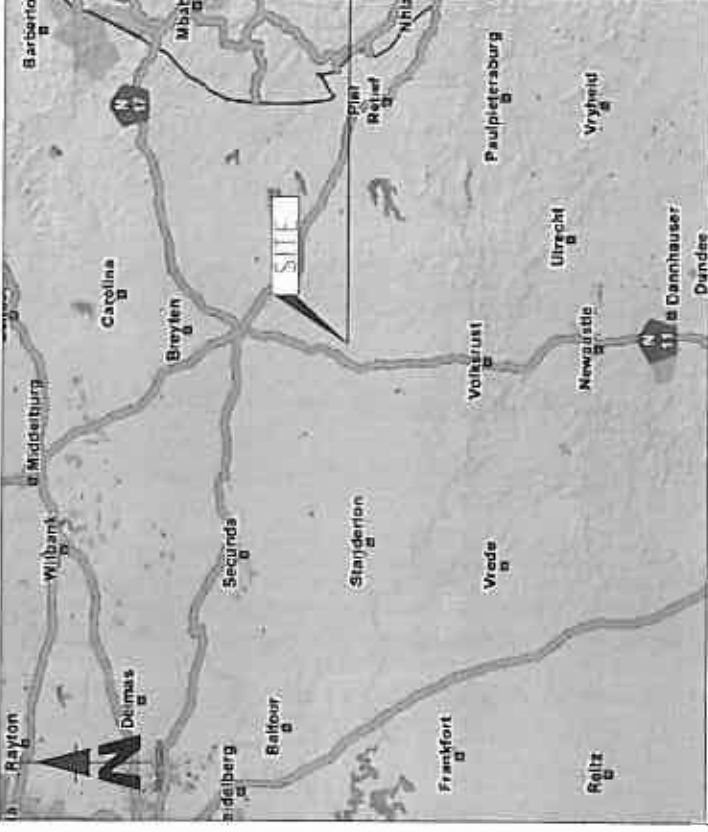
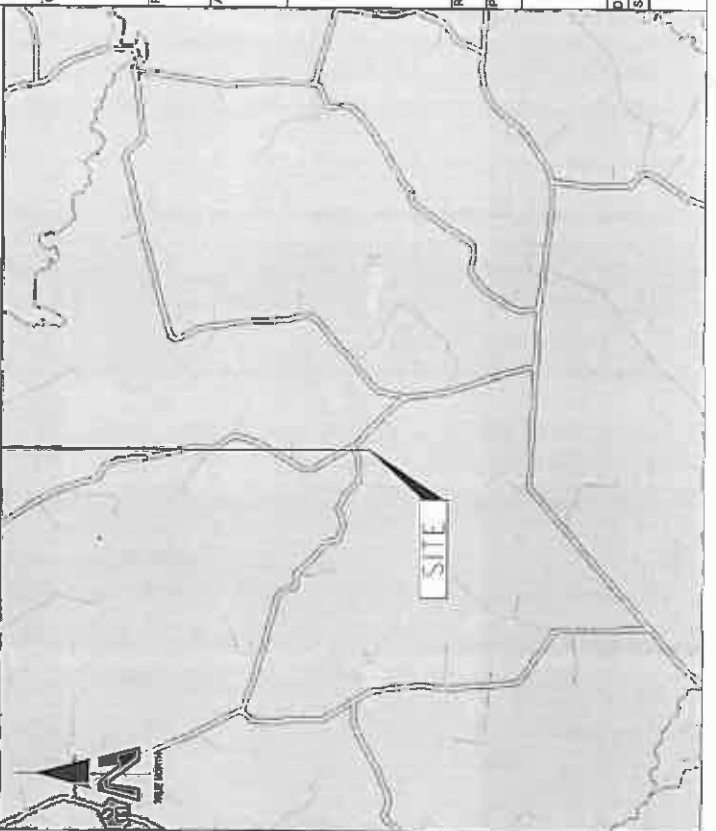
414 Duquesne Road  
 Sandton, Gauteng  
 2146  
 Tel: +27 (0) 21 854 1804/8  
 Fax: +27 (0) 21 854 1072  
 Website: www.ipsinfra.com

RFD NO 148744  
 PROJECT NUMBER 118863

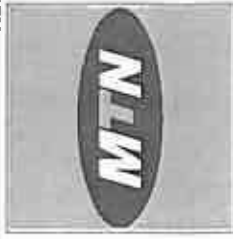
DRAWN: MELISSA YOUNG  
 DATE: 22/11/2011  
 SCALE: MTS  
 REF. NO: B1278248

LOCALITY MAP  
 SHEET 1 OF 9

T9246  
 VAALBANKSPRUITDRIF







1387 Pretorius Street  
 Block B, Honeydew Campus  
 Bedford, 2003  
 Tel: +27 (12) 342 8200  
 Fax: +27 (12) 342 8204  
 Postal Code: 19  
 Private Bag 218  
 Marikana Park

**SITE NAME**  
 VAALBANKSPRUITDRIF

**BASE STATION NUMBER**  
 T9245

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

**NOTES**  
 OWNER: AIRTEL NETWORK

**PROPERTY DESCRIPTION**  
 STRICTLY COMPANY CONFIDENTIAL  
 PORTION 4 OF THE FARM VAALBANKSPRUITDRIF 334 IT

**COORDINATES**  
 LAT 28° 53' 08.20" S  
 LONG 30° 01' 40.50" E

**PROJECT**  
 NEW 900m TELECOMMUNICATION BASESTATION  
 WITH A 54m LATTICE MAST FOR MTN (PTY) LTD

**ADDRESS**  
 VAALBANK SPRUIT DRIFT,  
 FAMILIE HOEK ROAD,  
 AMERSFOORT,  
 MPUMALANGA

**INFRASTRUCTURE PLANNING SERVICES**

Tel: +27 (12) 342 8200  
 Fax: +27 (12) 342 8204  
 www.ipsinfra.com

P.O. Box 32017  
 Tlokweng  
 0184

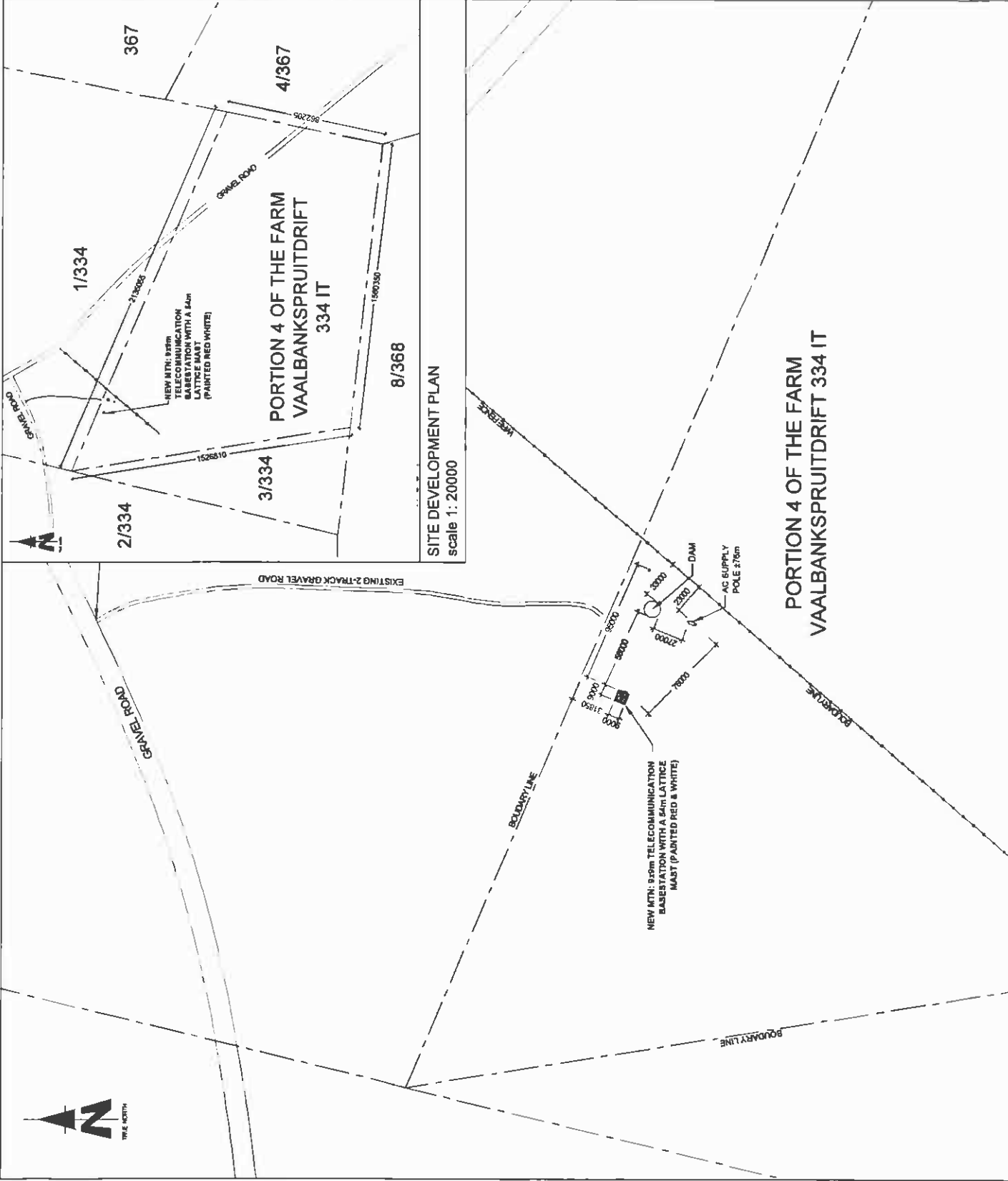
**PROJECT NUMBER**  
 148744  
 118863

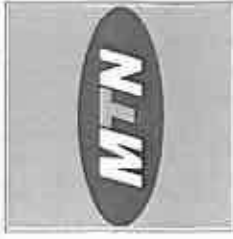
**SCALE**  
 1:3000

**DATE**  
 22/11/2011

**REF. NO.**  
 812T0248

**SITE DEVELOPMENT PLAN**  
 SHEET 3 OF 9





107 Pretoria Street  
 Block B, Heidelberg Campus  
 Heidelberg, 003  
 T4 +27 (0) 342 3000  
 F4 +27 (0) 342 3008  
 Mobile: 083

Project Name: 146  
 Private Plot 415  
 Marble Park

SITE NAME  
**VAALBANKSPRUITDRIF**

BASE STATION NUMBER  
**T9246**

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

NOTES  
 OWNER APPROVAL REQUIRED

STRICTLY COMPANY CONFIDENTIAL  
 PROPERTY DESCRIPTION  
 PORTION 4 OF THE FARM VAALBANKSPRUITDRIF 334 IT

COORDINATES  
 LAT 28° 52' 08.20" S  
 LONG 30° 01' 40.50" E

PROJECT  
 NEW 9.8m TELECOMMUNICATION BASESTATION  
 WITH A 6m LATTICE MAST FOR MTN (P) LTD

ADDRESS  
 VAALBANK SPRUIT DRIFT  
 FAMILIE HOEK ROAD,  
 AMERSFOORT  
 MPUMALANGA



414 Riebeeck Road  
 Silverdale  
 0181  
 T4 +27 (0) 204 12048  
 F4 +27 (0) 204 1072  
 www.infoplans.co.za

P.O. Box 32817  
 Tokai  
 0151

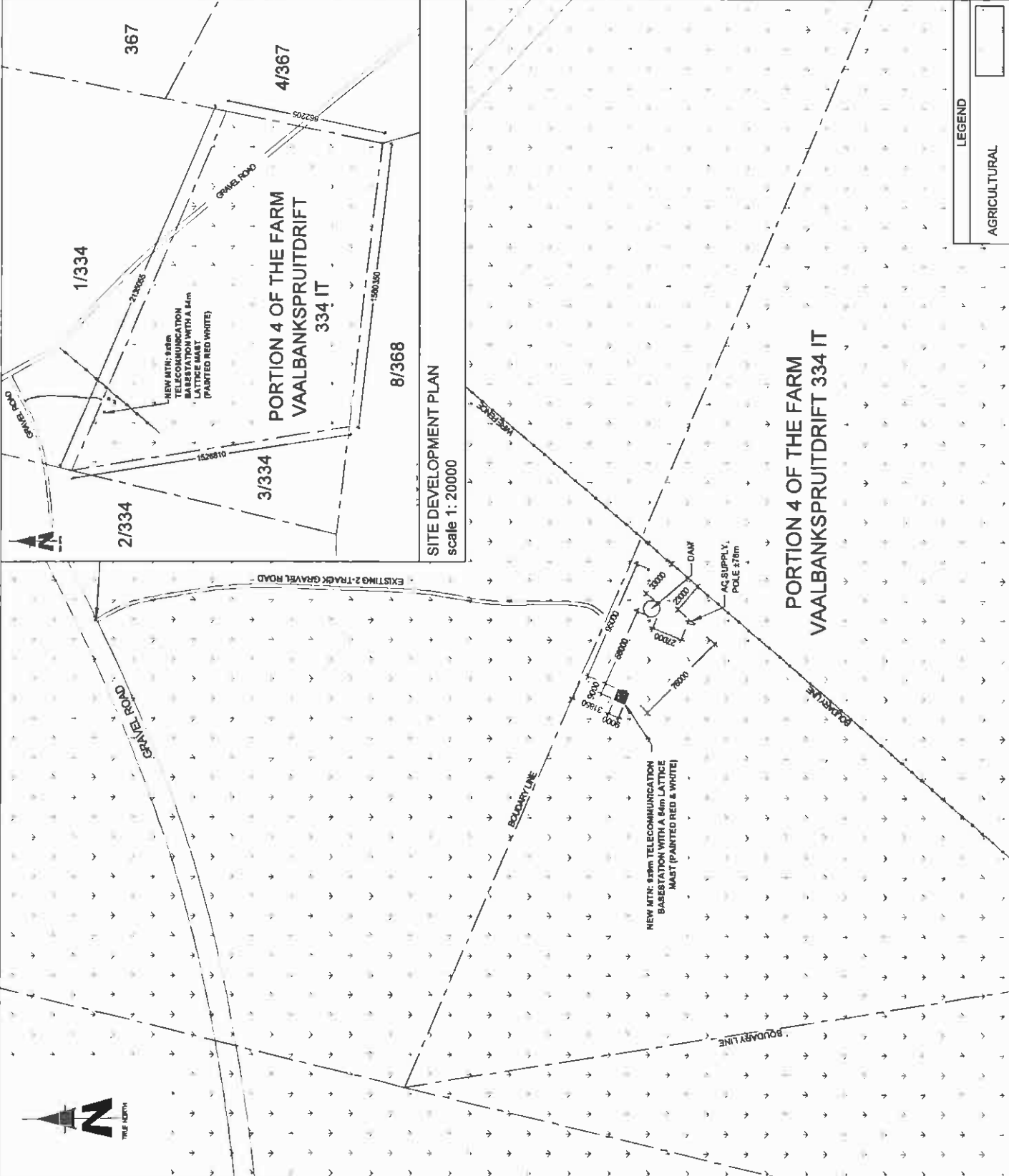
RFQ NO  
 148744

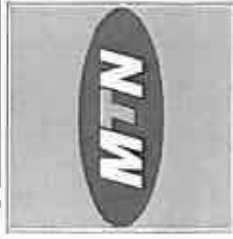
PROJECT NUMBER  
 118863

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  
 SPECIFICATIONS AND THE APPLICABLE NATIONAL AND  
 LOCAL REGULATIONS AND BY-LAWS.

DRAWN: MELISSA YOUNG [DATE: 22/11/2011]  
 SCALE: 1:20000 REF NO: 812/10246

CURRENT LAND USE  
 SHEET 4 OF 9





1287 Phokela Street  
 Block B, Heidelberg Campus  
 Heidelberg, 009  
 T4: +27 (12) 342 2000  
 F4: +27 (12) 342 8208  
 Fax: +27 (12) 342 8208  
 Project Site: L4  
 Project Site: 315  
 Mobile: 009

SITE NAME  
**VAALBANKSPRUITDRIF**

BASE STATION NUMBER  
**T9246**

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

NOTES  
 OWNER: ANTOOLS REWARD

STRICTLY COMPANY CONFIDENTIAL  
 PROPERTY DESCRIPTION  
 PORTION 4 OF THE FARM VAALBANKSPRUITDRIF 334 IT

COORDINATES  
 LAT 28° 53' 08.20" S  
 LONG 30° 01' 40.50" E

PROJECT  
 NEW 949m TELECOMMUNICATION BASESTATION  
 WITH A 54m LATTICE MAST FOR MTN (PT) LTD

ADDRESS  
 VAALBANK SPRUIT DRIFT  
 FAMILIE HOEK ROAD  
 AMERSFOORT  
 MFLUMALANGA



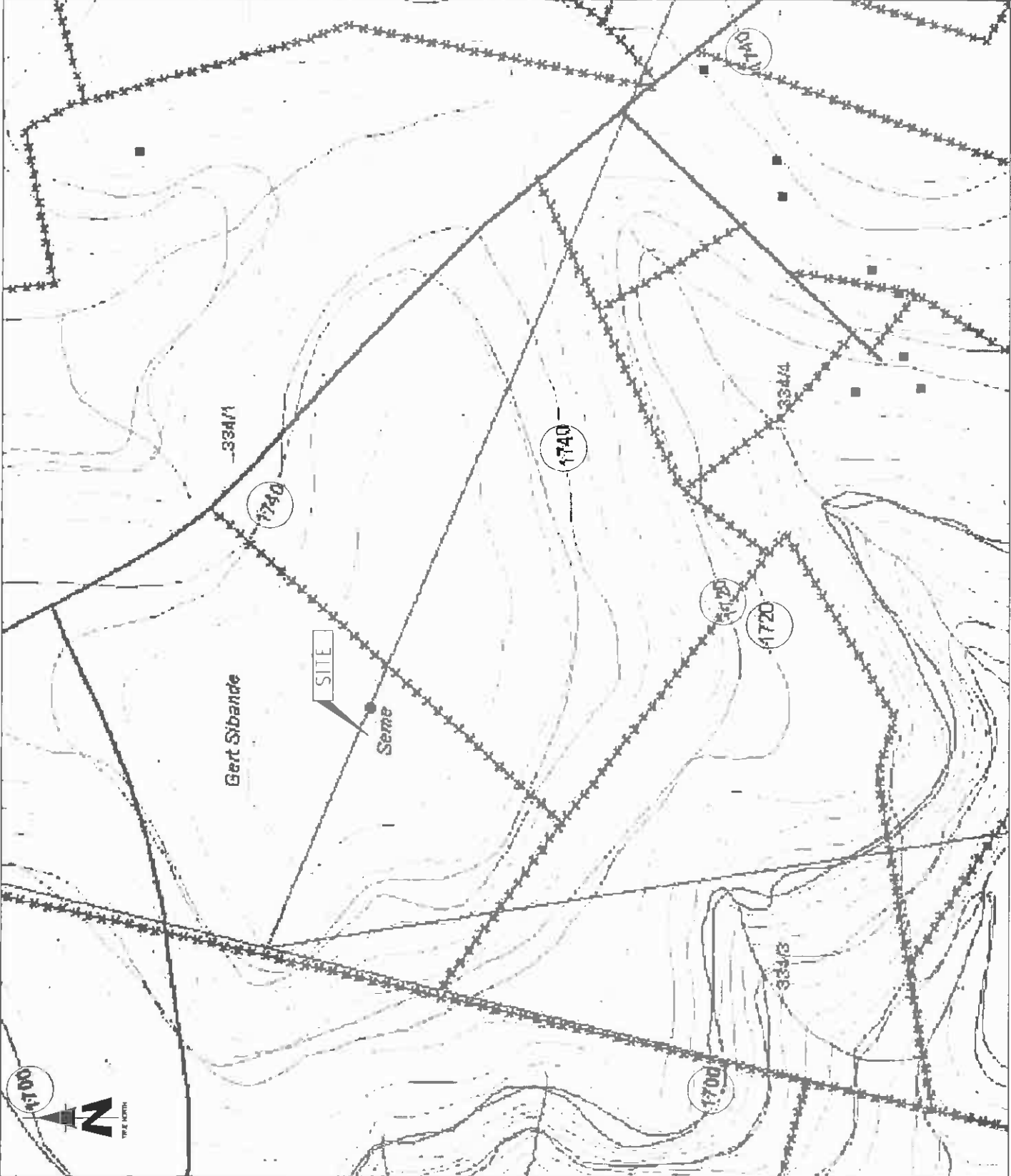
414 Peka Road  
 Boksburg  
 1461  
 T4: +27 (12) 804 15048  
 F4: +27 (12) 804 1072  
 Fax: +27 (12) 804 1072  
 info@ipsplan.co.za

PROJECT NUMBER  
 148744  
 118983

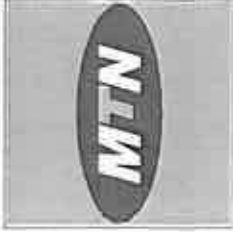
DRAWINGS MUST NOT BE SCALED. ONLY DIMENSIONS TO BE  
 USED DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT  
 OF WORK.  
 ALL WORK TO BE PERFORMED ACCORDING TO ITR 875 SITE  
 SPECIFICATIONS AND ITR 875  
 ISSUE 1 (VERSION 3 NOVEMBER 2007)

DRAWN: MELIBAYOUNG DATE: 22/11/2011  
 SCALE: NTS REF. NO: 812/T9246

CONTOUR INTERVAL  
 SHEET 5 OF 9







1307 Proteus Street  
Block B, Hartebeestbos  
Wynburg, 2001  
Tel: +27 (0) 21 942 2000  
Fax: +27 (0) 21 942 2000  
www.mtn.co.za

1307 Proteus Street  
Block B, Hartebeestbos  
Wynburg, 2001  
Tel: +27 (0) 21 942 2000  
Fax: +27 (0) 21 942 2000  
www.mtn.co.za

1307 Proteus Street  
Block B, Hartebeestbos  
Wynburg, 2001  
Tel: +27 (0) 21 942 2000  
Fax: +27 (0) 21 942 2000  
www.mtn.co.za

1307 Proteus Street  
Block B, Hartebeestbos  
Wynburg, 2001  
Tel: +27 (0) 21 942 2000  
Fax: +27 (0) 21 942 2000  
www.mtn.co.za

1307 Proteus Street  
Block B, Hartebeestbos  
Wynburg, 2001  
Tel: +27 (0) 21 942 2000  
Fax: +27 (0) 21 942 2000  
www.mtn.co.za

1307 Proteus Street  
Block B, Hartebeestbos  
Wynburg, 2001  
Tel: +27 (0) 21 942 2000  
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1307 Proteus Street  
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Tel: +27 (0) 21 942 2000  
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www.mtn.co.za

1307 Proteus Street  
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www.mtn.co.za

1307 Proteus Street  
Block B, Hartebeestbos  
Wynburg, 2001  
Tel: +27 (0) 21 942 2000  
Fax: +27 (0) 21 942 2000  
www.mtn.co.za

1307 Proteus Street  
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Wynburg, 2001  
Tel: +27 (0) 21 942 2000  
Fax: +27 (0) 21 942 2000  
www.mtn.co.za

1307 Proteus Street  
Block B, Hartebeestbos  
Wynburg, 2001  
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Fax: +27 (0) 21 942 2000  
www.mtn.co.za

1307 Proteus Street  
Block B, Hartebeestbos  
Wynburg, 2001  
Tel: +27 (0) 21 942 2000  
Fax: +27 (0) 21 942 2000  
www.mtn.co.za

1307 Proteus Street  
Block B, Hartebeestbos  
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Fax: +27 (0) 21 942 2000  
www.mtn.co.za

1307 Proteus Street  
Block B, Hartebeestbos  
Wynburg, 2001  
Tel: +27 (0) 21 942 2000  
Fax: +27 (0) 21 942 2000  
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1307 Proteus Street  
Block B, Hartebeestbos  
Wynburg, 2001  
Tel: +27 (0) 21 942 2000  
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www.mtn.co.za

1307 Proteus Street  
Block B, Hartebeestbos  
Wynburg, 2001  
Tel: +27 (0) 21 942 2000  
Fax: +27 (0) 21 942 2000  
www.mtn.co.za

1307 Proteus Street  
Block B, Hartebeestbos  
Wynburg, 2001  
Tel: +27 (0) 21 942 2000  
Fax: +27 (0) 21 942 2000  
www.mtn.co.za

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www.mtn.co.za

1307 Proteus Street  
Block B, Hartebeestbos  
Wynburg, 2001  
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Fax: +27 (0) 21 942 2000  
www.mtn.co.za

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Wynburg, 2001  
Tel: +27 (0) 21 942 2000  
Fax: +27 (0) 21 942 2000  
www.mtn.co.za

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Wynburg, 2001  
Tel: +27 (0) 21 942 2000  
Fax: +27 (0) 21 942 2000  
www.mtn.co.za

1307 Proteus Street  
Block B, Hartebeestbos  
Wynburg, 2001  
Tel: +27 (0) 21 942 2000  
Fax: +27 (0) 21 942 2000  
www.mtn.co.za

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Fax: +27 (0) 21 942 2000  
www.mtn.co.za

1307 Proteus Street  
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Wynburg, 2001  
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Fax: +27 (0) 21 942 2000  
www.mtn.co.za

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Tel: +27 (0) 21 942 2000  
Fax: +27 (0) 21 942 2000  
www.mtn.co.za

1307 Proteus Street  
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Wynburg, 2001  
Tel: +27 (0) 21 942 2000  
Fax: +27 (0) 21 942 2000  
www.mtn.co.za

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Fax: +27 (0) 21 942 2000  
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Fax: +27 (0) 21 942 2000  
www.mtn.co.za

1307 Proteus Street  
Block B, Hartebeestbos  
Wynburg, 2001  
Tel: +27 (0) 21 942 2000  
Fax: +27 (0) 21 942 2000  
www.mtn.co.za

1307 Proteus Street  
Block B, Hartebeestbos  
Wynburg, 2001  
Tel: +27 (0) 21 942 2000  
Fax: +27 (0) 21 942 2000  
www.mtn.co.za

1307 Proteus Street  
Block B, Hartebeestbos  
Wynburg, 2001  
Tel: +27 (0) 21 942 2000  
Fax: +27 (0) 21 942 2000  
www.mtn.co.za

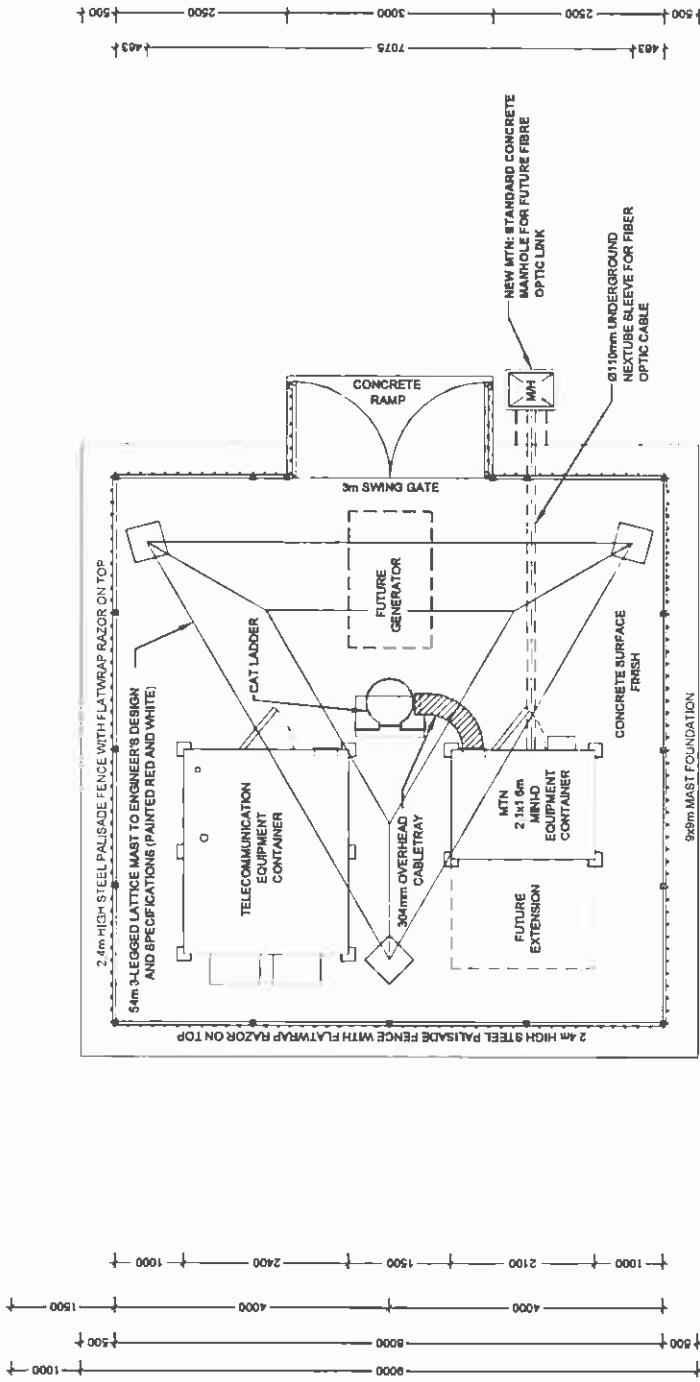
1307 Proteus Street  
Block B, Hartebeestbos  
Wynburg, 2001  
Tel: +27 (0) 21 942 2000  
Fax: +27 (0) 21 942 2000  
www.mtn.co.za

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Tel: +27 (0) 21 942 2000  
Fax: +27 (0) 21 942 2000  
www.mtn.co.za

1307 Proteus Street  
Block B, Hartebeestbos  
Wynburg, 2001  
Tel: +27 (0) 21 942 2000  
Fax: +27 (0) 21 942 2000  
www.mtn.co.za



PORTION 4 OF THE FARM  
VAALBANKSPRUITDRIFT 334 IT

STRICTLY COMPANY CONFIDENTIAL  
PROPERTY DESCRIPTION  
PORTION 4 OF THE FARM VAALBANKSPRUITDRIFT 334 IT

COORDINATES  
LAT 28° 53' 06.20" S  
LONG 30° 01' 40.50" E

PROJECT  
NEW 960mm TELECOMMUNICATION BASESTATION WITH A 54m LATTICE MAST FOR MTN (PTY) LTD

ADDRESS  
VAALBANK SPRUIT DRIFT  
FAMILIE HOEK ROAD  
AMERSFOORT  
MPUMALANGA



414 Roubie Road  
Brynerton  
G.P. 1014  
Tel: +27 (0) 804 15048  
Fax: +27 (0) 804 7078  
www.infrastrucplan.co.za

PROJECT NUMBER  
148744  
116953

DATE 22/11/2011  
DRAWN MELISSA YOUNG  
SCALE 1:75

DATE 22/11/2011  
REF NO 812T9246

SITE DETAIL  
SHEET 7 OF 9

1307 Proteus Street  
Block B, Hartebeestbos  
Wynburg, 2001  
Tel: +27 (0) 21 942 2000  
Fax: +27 (0) 21 942 2000  
www.mtn.co.za

1307 Proteus Street  
Block B, Hartebeestbos  
Wynburg, 2001  
Tel: +27 (0) 21 942 2000  
Fax: +27 (0) 21 942 2000  
www.mtn.co.za

1307 Proteus Street  
Block B, Hartebeestbos  
Wynburg, 2001  
Tel: +27 (0) 21 942 2000  
Fax: +27 (0) 21 942 2000  
www.mtn.co.za

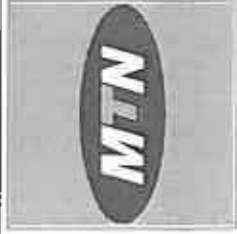
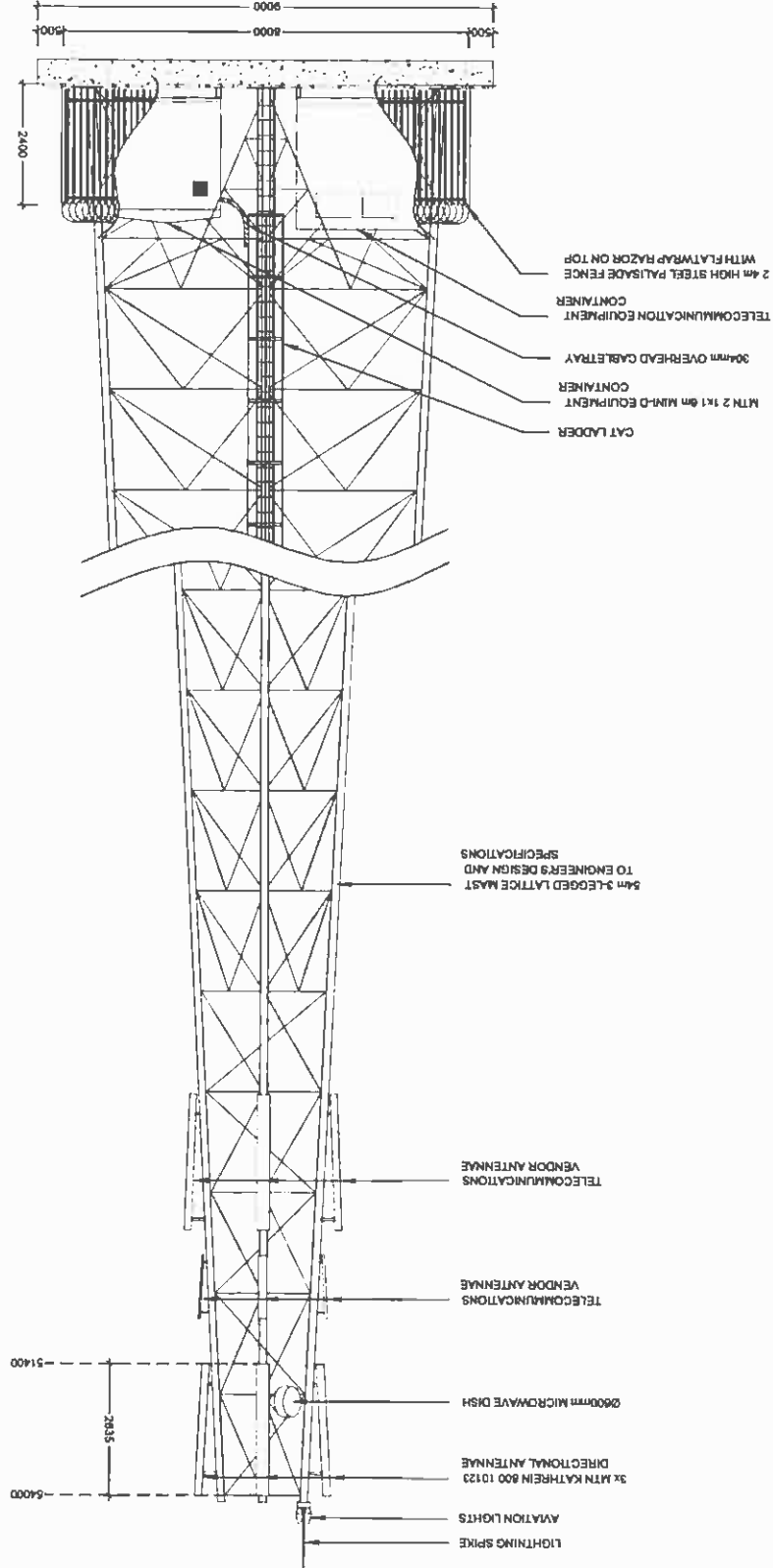
1307 Proteus Street  
Block B, Hartebeestbos  
Wynburg, 2001  
Tel: +27 (0) 21 942 2000  
Fax: +27 (0) 21 942 2000  
www.mtn.co.za

1307 Proteus Street  
Block B, Hartebeestbos  
Wynburg, 2001  
Tel: +27 (0) 21 942 2000  
Fax: +27 (0) 21 942 2000  
www.mtn.co.za



**MTN ANTENNAE KEY**

SECTOR	AZIMUTH	ANTENNA	HEIGHT - BOTTOM (m)	MECH. TILT	ELEC. TILT	FEEDER SIZE	FEEDER LENGTH (m)
1	0°	K600-10123	51.4			7/8"	± 56
2	120°	K600-10123	51.4			7/8"	± 56
3	240°	K600-10123	51.4			7/8"	± 56



11877 Heidelberg Street  
 Block 8 Heidelberg Community  
 Heidelberg, 2161  
 T4: +27 (12) 343 2920  
 F4: +27 (12) 343 8208  
 Mobile: 082 111 1111

**SITE NAME**

VAALBANKSPRUITDRIF

BASE STATION NUMBER

T9246

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

NOTES

OWNER: AIRSOL BELMARD

STRICTLY COMPANY CONFIDENTIAL  
 PROPERTY DESCRIPTION  
 PORTION 4 OF THE FARM VAALBANKSPRUITDRIF 334 IT

COORDINATES  
 LAT 28° 53' 06.20" S  
 LONG 30° 01' 40.50" E

PROJECT  
 NEW 900m TELECOMMUNICATION BASESTATION  
 WITH A 54m LATTICE MAST FOR MTN(PTY)LTD

ADDRESS  
 VAALBANKSPRUIT DRIFT,  
 HEIDELBERG ROAD,  
 AMERSFOORT,  
 HEIDELBERG



INFRASTRUCTURE  
 PLANNING SERVICES

P.O. Box 32017  
 Tshwane  
 0154  
 T4: +27 (12) 804 15008  
 F4: +27 (12) 804 1072  
 sales@ipsinfra.com.za

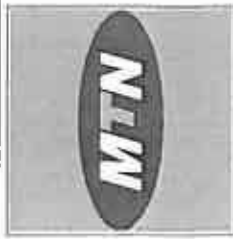
RFQ NO  
 148744

PROJECT NUMBER  
 115903

DRAWINGS MUST BE SCALED. ONLY PROVIDED DIMENSIONS TO BE USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT OF WORK.  
 ALL WORK TO BE PERFORMED ACCORDING TO MTN SITE SITE INFRASTRUCTURE SPECIFICATION 1001001 DATE 11 FEBRUARY 2007

DRAWN: MELISSA YOUNG DATE: 22/11/2011  
 SCALE: 1:100 REF NO: 81219246

WEST ELEVATION  
 SHEET 8 OF 9



1287 Pretorius Street  
 Block B, Heerhulshoek Complex  
 Heerhulshoek, OMS  
 Tel: +27 (12) 342 2620  
 Fax: +27 (12) 342 2704  
 Pretorius Street 146  
 Pretorius Street 115  
 Maraisburg

SITE NAME

VAALBANKSPRUITDRIF

BASE STATION NUMBER

T9246

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

NOTES

OWNER: ARNOLD BERNARD

STRICTLY COMPANY CONFIDENTIAL

PROPERTY DESCRIPTION

PORTION 4 OF THE FARM VAALBANKSPRUITDRIF 334 IT

COORDINATES

LAT 20° 53' 06.20" S  
 LONG 30° 01' 40.50" E

PROJECT

NEW 940m TELECOMMUNICATION BASESTATION WITH A 54m LATTICE MAST FOR MTN (PTY) LTD

ADDRESS

VAALBANKSPRUIT DRIFT,  
 FAMILIE HOEK ROAD,  
 AMERSFOORT,  
 MPMALANGA

INFRASTRUCTURE  
 PLANNING SERVICES



414 Roodt Road  
 Steynville  
 0181  
 Tel: +27 (12) 804 15049  
 Fax: +27 (12) 804 7072  
 info@ipsplan.co.za

P.O. Box 32017  
 Tshwane  
 0114

RFG NO

146744

PROJECT NUMBER

116863

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 ET'S SITE INFRASTRUCTURE SPECIFICATION R0101001 (DATE 19 SEPTEMBER 2007)

DRAWN

MELISSA YOUNG

DATE

22/11/2011

SCALE

NTS

REF NO

81216246

FACILITY ILLUSTRATION

SHEET 9 OF 9

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



**REGISTERED LETTER T9246**  
**GEREGISTREERDE BRIEF**



(with an insurance option / met 'n versekeringsopsie)

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

Addressed to / Geadresseer aan

SARITA  
 PO Box 4637  
 Cape Town

Postcode / Poskode

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

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

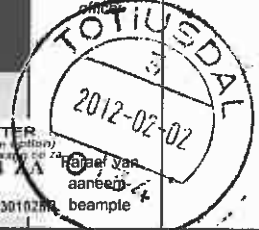
Postage paid R \_\_\_\_\_ c  
 Service fee / Diensgeld R \_\_\_\_\_ c  
 Insurance / Versekering R \_\_\_\_\_ c  
 Total / Totaal R \_\_\_\_\_ c

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

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

Initial of  
 accepting

Date Stamp



Affix Track and Trace  
 customer code

REGISTERED LETTER  
 (with a domestic insurance option)  
 SHARCARD 0800 111 502 www.epost.co.za  
 RD 604 456 738 XA

Initial of  
 accepting

Datumstempel

CUSTOMER COPY 3010288

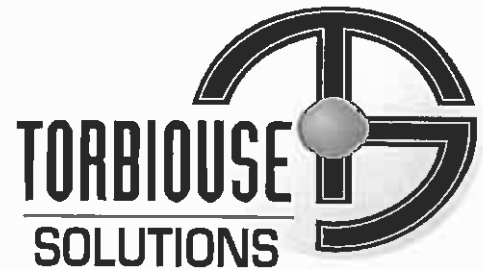
Lubbock Lubbock Printers, G11: 493 7521 701281

Our Reference:  
T9246/17/2/3/GS-70

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](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 (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 4 OF THE FARM VAALBANKSPRUITDRIFT 334 IT.**

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 4 of the Farm Vaalbankspruitdrift 334 IT**

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/GS-70

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

Location: Portion 4 of the farm Vaalbankspruitdrift 334 IT

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

**Alternative 1: Latitude: 26° 53' 06.20"S Longitude: 30° 01' 40.50" E**  
Lattice type mast painted red and white

Notice is hereby given of a public participation process in terms of the Environmental Impact Assessment Regulations 2010 (R543) as amended and 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 is to be submitted to the Mpumalanga Department of Economic Development, Environment and Tourism.

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

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

**Environmental Assessment Practitioner (EAP):**

Torbiose Solutions CC.  
P.O. Box 32017, Totiusdal, 0134  
Attention: : W Van't Foot  
Telephone: (012) 804 1504/6; Facsimile: (012) 804 7072  
E-mail: admin@torbiosesolutions.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 KOMPHEKATHI

INOMBOLO YEREFERENSI: 17/2/3/GS-70

Umyalelo womthetho 546 umsebenzi 3 (a) & (b) : (a) ii (ee) : Isakhiwo esiyisizinda sezokuxhumana ngocingo esivalekile se-MTN (Pty) Ltd ene-mast engama-54m kanye nendawo (nezindawo) yokubeka impahla: T9246  
Vaalbankspruitdrif

Indawo: Portion 4 of the farm Vaalbankspruitdrift 334 IT

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

**Esihlukile 1: Ububanzi: 26° 53' 06.20"S Ubude: 30° 01' 40.50" E**  
Induku ye –lattice ependwe ngokubomvu nokumhlophe

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

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

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

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

Torbiose Solutions CC., P.O. Box 32017, Totiusdal, 0134  
kuqondiswe ku- W Van't Foot  
Ucingo: (012) 804 1504/6, Ifeksi: (012) 804 7072,  
i-e-meyili: admin@torbiosesolutions.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 esibhalwe noma isicelo sokubhalisa, namagama abo, ikheli lendawo neleposi (kufakwe ifeksi ne-e-meyili uma kunokwenzeka) kanye nezinombolo zokubathinta futhi basho nenombolo yereferensi yomsebenzi, ku-EAP ezinsukwini zekhalenda ezingama-30 kusukela ekushicilelweni kwalesi saziso.

Usuku lokushicilelwa kweSaziso: 2 February 2012



1287 Pindaruis Street  
 Boksburg, Johannesburg  
 Phone: +27 (0)11 241 2000  
 Fax: +27 (0)11 241 2000  
 Website: www.mtn.co.za

**SITE NAME** VAALBANKSPRUITDRIF  
**BASE STATION NUMBER** T9248

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

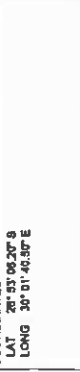
**NOTES**  
 OWNER: ANGELO BERNARD

**PROPERTY DESCRIPTION**  
 PORTION 4 OF THE FARM VAALBANKSPRUITDRIF 334 IT

**COORDINATES**  
 LAT 28° 23' 06.20" S  
 LONG 30° 01' 46.50" E

**PROJECT**  
 NEW MTN 800m TELECOMMUNICATION BASESTATION WITH A 3m LATTICE MAST FOR MTN (PTV) LTD

**ADDRESS**  
 VAALBANK SPRUIT DRIFT,  
 FAMILIE HOEK ROAD,  
 AMERSFOORT,  
 MPUMALANGA



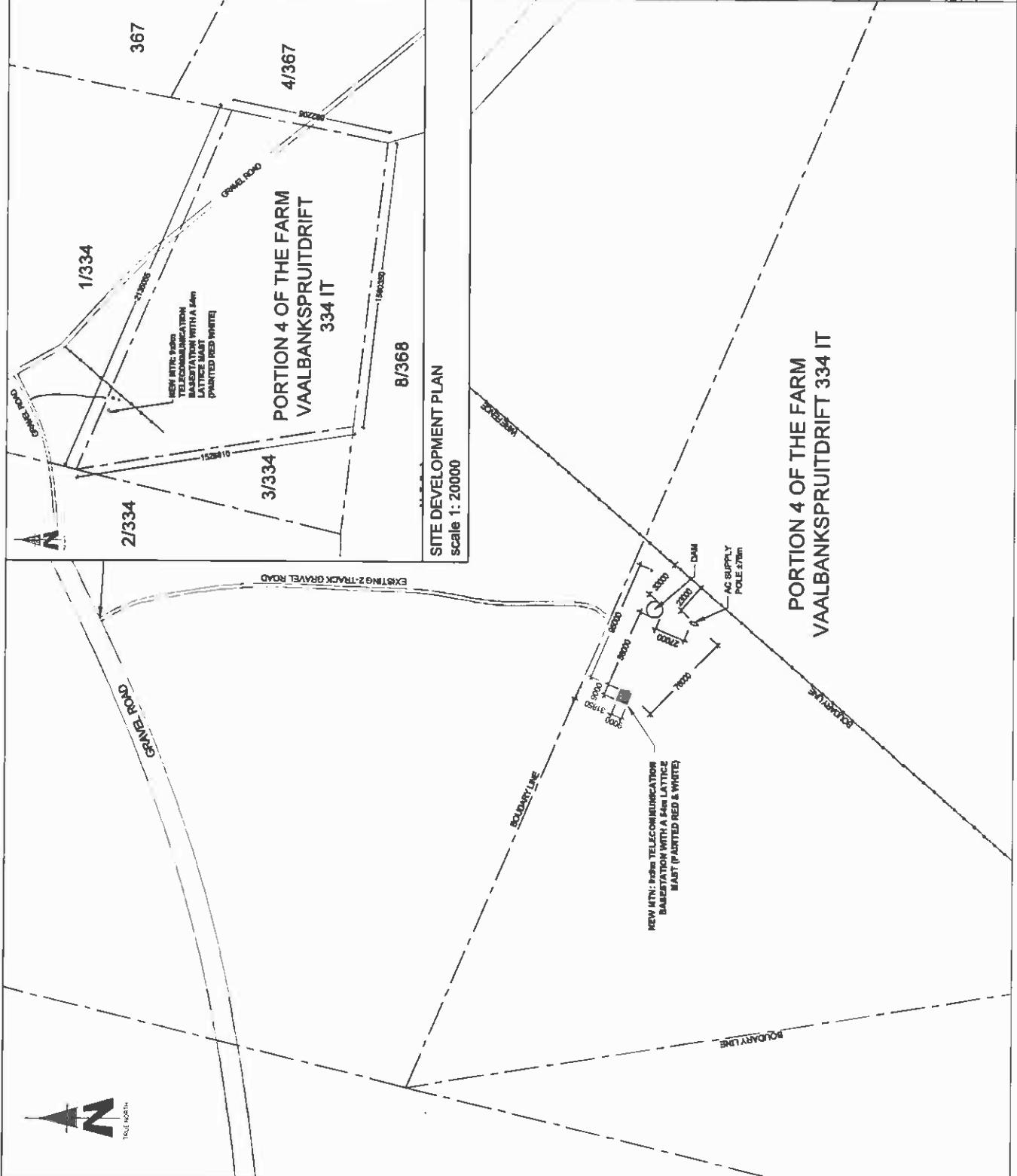
**CLIENT**  
 P.O. Box 33017  
 Boksburg  
 Tel: +27 (0)11 241 2000  
 Fax: +27 (0)11 241 2000  
 Website: www.ipsinfra.com

**PROJECT NUMBER**  
 148744  
 116940

**DRAWN BY** MELJIBSA YOUNG  
**DATE** 22/11/2011  
**SCALE** 1:3000  
**REF. NO.** 81278246

**DISCLAIMER**  
 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 NATIONAL ELECTRICAL REGULATIONS TO THE 1978 IBSR.  
 INFRASTRUCTURE INCORPORATION 1997/04/1  
 ISSUE 1 REVISION 8 NOVEMBER 2007

**SITE DEVELOPMENT PLAN**  
**SHEET 3 OF 9**



**SITE DEVELOPMENT PLAN**  
 scale 1: 20000



1207 Protea Drive  
 Midrand, Gauteng  
 1685  
 Tel: +27 (0) 11 782 2000  
 Fax: +27 (0) 11 782 2000  
 www.mtn.co.za

Project No: 10000000000000000000  
 Project Name: Vaalbank  
 Project Ref: 10000000000000000000

**SITE NAME**  
 VAALBANKSPRUITDRIF

**BASE STATION NUMBER**  
 TB248

REV	DATE	BY	DESCRIPTION
A	22/11/2011	MY	FRST ISSUE

**NOTES**  
 OWNER: ANSOLO BERNARD

**PROPERTY DESCRIPTION**  
 STRICTLY COMPANY CONFIDENTIAL  
 PORTION 4 OF THE FARM VAALBANKSPRUITDRIF 334 IT

**COORDINATES**  
 LAT 28° 57' 06.20" S  
 LONG 30° 01' 40.50" E

**PROJECT**  
 NEW 900MHz TELECOMMUNICATION BASE STATION  
 WITH A 3M LATTICE MAST FOR 4T4 (PTT) LTD

**ADDRESS**  
 VAALBANK SPRUIT DRIFT,  
 FAMILIE HOEK ROAD,  
 AMERSFOORT,  
 MPUMALANGA



**474 Route Road**  
 Amersfoort  
 11853  
 Tel: +27 (0) 854 18048  
 Fax: +27 (0) 854 2972  
 admin@ipinfra.com

**PROJECT NUMBER**  
 118853

**SCALE**  
 1:1000

**DATE**  
 22/11/2011

**REF. NO.**  
 81278248

**DRAWN**  
 MELISSA YOUNG

**FACILITY ILLUSTRATION**  
 SHEET 8 OF 9

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



**G1(c) – SACAA Approval**



**SOUTH AFRICAN**



**CIVIL AVIATION  
AUTHORITY**

**Physical Address:**  
Khaya Lokundlza  
Treur Close  
Waterfall Park  
Bekker Street  
Midrand

**Postal Address:**  
Private Bag X 73  
Halfway House  
1685

**Telephone Number:**  
+27 11 545 1000

**Fax Number:**  
+27 11 545 1465

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

**Website address:**  
www.caa.co.za

**Enquiry's: Lizell Ströh**  
[strohl@caa.co.za](mailto:strohl@caa.co.za)  
**Tel. 011 545 1232**  
**Fax. 011 545 1451**

23 April 2007

Turbiose Solutions  
P O Box 32017  
Totiosdal  
0134

To: Mr Wim Anholts

Communication structure,

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

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

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

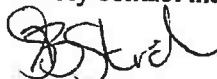
Intermediate lights shall be placed at a position midway between the top of the structure and the ground and shall consist of at least three steady burning red aeronautical obstruction lights of at least 32 candela each, on the same vertical plane and spaced not more than 120 degree horizontally. At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

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

*Note-.*

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

Kindly contact the writer if more information is required.



Lizell Stroh

**AERODROME SAFETY OVERSIGHT**

**G1(d) – Proof of Newspaper Advertisement**

# Kennisgewings / Notices



## SEA PIKE ERMELO DIEPSEE HENDELKLUK

**"Skipper"-lisensies**

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

Koste vir varswater ..... **R1850**  
Diepsee teorie ..... **R2200**  
Diepsee prakties ..... **R2300**

Moet eie verbylf reël vir prakties  
Datums vir prakties word met die teorie-naweek bekend gemaak.

**Vir meer inligting skakel Yolande  
082 335 9331**

6x2 / 3.2.12 / 12

## Peuters plant groente



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

2.3.12 / 8x2 / 4

## Supa Quick Samuel



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

2.3.12 / 10x2 / 12

# Notices

## PUBLIC PARTICIPATION PROCESS

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

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

Location: **Portion 4 of the farm Vaalbankspruitdrift 334 IT**  
Co-ordinates (WGS84 format) of the alternatives on the above property.  
**Alternative1: Latitude: 26°53'06.20"S Longitude: 30°01'40.50"E**  
**Lattice type mast painted red and white**

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

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

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

Applicant:  
MTN (Pty) Ltd  
P O Box 4559, Northcliff, 2115  
**Environmental Assessment Practitioner (EAP):**  
Torbiose Solutions CC  
Attention: Wilbert Van't Foort  
P O Box 32017, Totiusdal, 0134  
Telephone: 012 804 1504/6; Facsimile: 012 804 7072  
E-mail: admin@torbiosesolutions.co.za

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

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

Notice publication date: **2 February 2012**

3.2.11 / 13x3 / 4

## PUBLIC PARTICIPATION PROCESS

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

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

Location: **Portion 8 of the Farm Witkranz 53IT**  
Co-ordinates (WGS84 format) of the alternatives on the above property.  
**Alternative1: Latitude: 26°10'03.10"S Longitude: 30°06'39.96"E**  
**Lattice type mast painted red and white**

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

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

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

Applicant:  
MTN (Pty) Ltd  
P O Box 4559, Northcliff, 2115  
**Environmental Assessment Practitioner (EAP):**  
Torbiose Solutions CC  
Attention: Wilbert Van't Foort  
P O Box 32017, Totiusdal, 0134  
Telephone: 012 804 1504/6; Facsimile: 012 804 7072  
E-mail: admin@torbiosesolutions.co.za

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

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Notice publication date: **2 February 2012**

3.2.11 / 13x3 / 4

## PUBLIC PARTICIPATION PROCESS

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

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

Location: **Remaining Extent of the farm Grenspad 433 JT**  
Co-ordinates (WGS84 format) of the alternatives on the above property.  
**Alternative1: Latitude: 25°56'30.90"S Longitude: 30°25'30.10"E**  
**Lattice type mast painted red and white**

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

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

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

Applicant:  
MTN (Pty) Ltd  
P O Box 4559, Northcliff, 2115  
**Environmental Assessment Practitioner (EAP):**  
Torbiose Solutions CC  
Attention: Wilbert Van't Foort  
P O Box 32017, Totiusdal, 0134  
Telephone: 012 804 1504/6; Facsimile: 012 804 7072  
E-mail: admin@torbiosesolutions.co.za

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

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

Notice publication date: **2 February 2012**

3.2.11 / 13x3 / 4

## PUBLIC PARTICIPATION PROCESS

REFERENCE NUMBER: 17/2/3/GS-73

Regulation 546 activity 3 (a) & (b) : (a) ii (ee) : Establishment of an enclosed telecommunication base station with a **54m** mast for MTN (Pty) Ltd: **T8954 Grasdal Farm**

Location: **Portion 8 of the Farm Grasdal 94 IT**  
Co-ordinates (WGS84 format) of the alternatives on the above property.  
**Alternative1: Latitude: 26°18'16.90"S Longitude: 30°21'01.01"E**  
**Lattice type mast painted red and white**

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

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

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

Applicant:  
MTN (Pty) Ltd  
P O Box 4559, Northcliff, 2115  
**Environmental Assessment Practitioner (EAP):**  
Torbiose Solutions CC  
Attention: Wilbert Van't Foort  
P O Box 32017, Totiusdal, 0134  
Telephone: 012 804 1504/6; Facsimile: 012 804 7072  
E-mail: admin@torbiosesolutions.co.za

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

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

Notice publication date: **2 February 2012**

3.2.11 / 13x3 / 4

## INGCAMBU INVESTMENTS (PTY) LTD; KENNISGEWING: BELANGHEBBENDE EN GEAFFEKTEERDE PARTYE VERGADERING; GEWYSIGDE OIB/OBP EN GWVLA PROSES

Ingcambu Investments (Pty) Ltd (Reg. Nr.: 2003/013713/07) is besig met die wysiging van die goedgekeurde Omgewings Impak Beraming / Omgewings Bestuurs Program (OIB/OBP) vir Thutsi Steenkoolmyn in terme van artikel 39 van die Mineraal en Petroleum Hulpbronne Ontwikkelingswet (Wet no. 28 van 2002) om addisionele mynbou verwante aktiwiteite ('n steenkool was aanleg met gepaardgaande infrastruktuur) op gedeelte 26 van die plaas Uitgevallen 134 IT in die Ermelo Magistraats Distrik in te sluit. Ingcambu Investments (Pty) Ltd het ook aansoek gedoen vir 'n Geïntegreerde Water Verbruik Lisensie (GWVLA) vir water verbruik volgens regulasie 21 (a), (g), (i) en (j) van die Nasionale Water Wet (Wet Nr. 36 van 1998).

Geovicon Environmental (Pty) Ltd is aangestel as die omgewings konsultant wat die gewysigde OIB/OBP Verslag saamstel, in terme van artikel 39 van die wet, gelees tesame met regulasies 49, 50 en 51 van die Mineraal en Petroleum Hulpbronne Ontwikkelingswet (Wet nr. 28 2002), vir die insluiting van addisionele mynbou verwante aktiwiteite op bogenoemde eiendom asook die GWVLA, in terme van artikel 40 van die Nasionale Water Wet (Wet Nr. 36 van 1998) vir die water verbruik aktiwiteite op bogenoemde eiendom.

Belanghebbende en Geaffekteerde Partye word uitgenooi om 'n inligtings vergadering op die plek en datum soos hieronder aangedui, by te woon.

Plek: Ermelo Stadsaal (Ella de Bruin Saal)  
Datum: Vrydag, 17 Februarie 2012  
Tyd: 11h00

Indien u sou belangstel om die bogenoemde inligtings vergadering by te woon, sal ons dit waardeer as u voor of op 15 Februarie 2012, die kontak persoon (soos hieronder aangedui) telefonies of skriftelik sal verwittig, vir administratiewe doeleindes.

Dokumente is beskikbaar in die Ermelo Biblioteek vir publieke insae.

Kommentaar rakende die OIB/OBP wysiging en die GWVLA, moet skriftelik gerig word aan:

Konsultant:  
GEOVICON ENVIRONMENTAL (Pty) Ltd  
Posbus 4050  
Middelburg  
1050  
Tel.: 013 243 0542  
Faks.: 086 632 4936  
E-pos: geovicon@iafrica.com  
Sel no.: 082 359 5604  
Kontakpersoon: Riana Bate

3.2.12 / 10x4 / 4

## INGCAMBU INVESTMENTS (PTY) LTD; NOTICE: INTERESTED AND AFFECTED PARTY MEETING; AMENDED EIA/EMP AND IWULA PROCESS

Ingcambu Investments (Pty) Ltd (Reg. No.: 2003/013713/07) is in the process of amending its approved Environmental Impact Assessment / Environmental Management Programme (EIA/EMP) for Thutsi Colliery under section 39 of the Mineral and Petroleum Resources Development Act (Act nr. 28 of 2002) to include additional mining related activities (a coal washing plant with associated infrastructure) on portion 26 of the farm Uitgevallen 134 IT situated in the Magisterial District of Ermelo. Ingcambu Investments (Pty) Ltd also applied for an Integrated Water Use Licence (IWULA) for water uses in terms of section 21 (a), (g), (i) and (j) of the National Water Act (Act No. 36 of 1998).

Geovicon Environmental (Pty) Ltd has been appointed as the environmental consultant to compile the amended EIA/EMP Report in terms of section 39 of the Act, read with regulations 49, 50 and 51 of the Mineral and Petroleum Resources Development Act (Act no. 28 of 2002) for the inclusion of the additional mining related activities on abovementioned property as well as the IWULA in terms of section 40 of the National Water Act (Act No. 36 of 1998) for the water use activities on the above-mentioned property.

Interested and Affected Parties are hereby invited to attend an information meeting at the venue and on the date as indicated below.

Venue: Ermelo Civic Centre (Ella de Bruin Hall)  
Date: Friday, 17 February 2012  
Time: 11h00

If you are interested in attending the above-mentioned information meeting, please indicate your intent telephonically or in writing to the contact person (as indicated below) on, or before 15 February 2012, for administration purposes.

Documents are available in the Ermelo Library for public scrutiny.

Comments regarding the EIA/EMP amendment and the IWULA, must be submitted in writing to:

Consultant:  
GEOVICON ENVIRONMENTAL (Pty) Ltd  
P. O. Box 4050  
Middelburg  
1050  
Tel.: 013 243 0542  
Fax.: 086 632 4936  
E-mail: geovicon@iafrica.com  
Cell.: 082 359 5604  
Contact person: Riana Bate

3.2.12 / 10x4 / 4

**G2: Motivation for Exemption of assessing alternatives**

Our Reference:  
T9246 Vaalbankspruitdrif

Your Reference:  
17/2/3/GS-70

T 9246

24 May 2012

Mpumalanga Department of Economic Development,  
Environment and Tourism  
The Deputy Director  
Environmental Impact Management  
Gert Sibande District Office  
13 de Jager Street  
Ermelo  
2350



Reg. No. 2001/080535/23

PO Box 32017, Totiusdal, 0134

414 Rustic Road  
Silvertondale, 0184  
Pretoria

Tel: (012) 804 1504/ 6

Fax: (012) 804 7072

e-mail: [admin@torbiouseolutions.co.za](mailto:admin@torbiouseolutions.co.za)

Attention: **Surgeon Marebane**  
Fax No: 072 814 5409  
E-mail: [stmarebane@mpg.gov.za](mailto:stmarebane@mpg.gov.za)

Dear Sir,

**MOTIVATION FOR EXEMPTION FROM ASSESSING ALTERNATIVES IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 ("NEMA") AS AMENDED TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION MAST ON PORTION 4 OF THE FARM VAALBANKSPRUITDRIFT 334 IT.**

In terms of Regulation 50 of the EIA Regulations, August 2010, as contemplated in subregulation 22 (2)(h), we hereby apply for exemption from assessing alternatives in this application.

**Motivation:**

**(a) The property on which or location where it is proposed to undertake the activity:**

The Portion 4 of the farm Vaalbankspruitdrift 334 IT, where the establishment is proposed was identified by the radio planners of MTN as the best position to place the mast to reach the transmission coverage on the MTN network. The site is on a farm with disturbed grassland. Environmental impact at this site and on this property will be limited to the visual aspect, as well as the grass that need to be removed from the 81m<sup>2</sup> footprint area. The development is planned open grassland where no large trees or any endangered plants will need to be removed. The neighbouring properties were not regarded as feasible site alternatives due to more limitations on the network coverage, as well as possible increased impact on the site footprint area where more indigenous vegetation would have to be removed. The environmental impact on the footprint area would most probably be of much higher significance if the site was moved to another locality within a certain radius from the proposed site.

**(b) The type of activity to be undertaken:**

There are no type alternatives available or feasible to replace the establishment of telecommunication masts.

**(c) The design or layout of the activity:**

The proposed design of the activity is a 54m high lattice telecommunication mast. The 54m height is required to reach the transmission network coverage on the MTN network. The lattice type mast is the only design alternative that provides the required equipment capacity and wind-load capacity. A monopole type mast is not considered a feasible option for this specific development because of more restrictions with regard to the equipment and wind-load capacity. Further disadvantage of a monopole type mast is increased visibility due to the more solid type structure against the sky background. The SACAA (South African Civil Aviation Authority) requires day and night markings for all masts above 45m of height, meaning the mast has to be painted red and white with red lights on top for maximum visibility to aircraft to prevent aircraft accidents. Therefore, no other design or colour alternatives are considered to be feasible due to the red and white colour requirement of the SACAA.

**(d) The technology to be used in the activity:**

MTN Kathrein directional antennae (x3) and 600mm Microwave dish to be placed at top of mast. Telecommunications vendor antennae to be placed underneath the Kathrein antennae by possible future share parties. MTN mini-D equipment container (with extension) to be placed on ground level under the mast. Solar Panel array with solar controller to be placed within the enclosed base station next to the mast. New MTN standard concrete manhole for future fibre optic link with 110mm underground nextube sleeve for fibre optic cable from the manhole to the equipment container. The proposed technology used for this mast will have minimum impact on the environment and there is no alternative technology available to reach the required network coverage.

**(e) 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 from assessing several site alternatives.

Kind Regards,



Wilbert van't Foort

For: Torbious Solutions cc