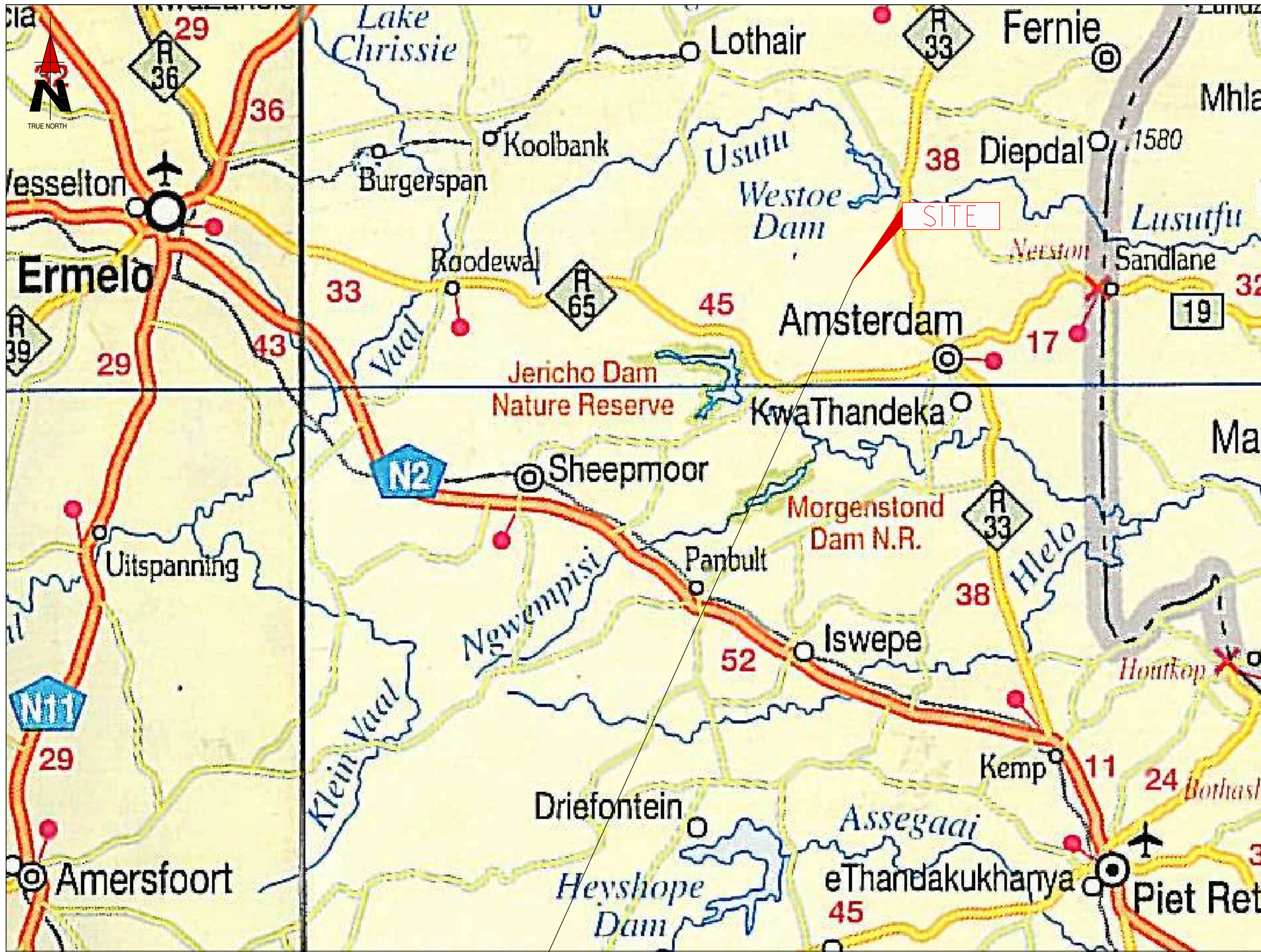


**Appendix A: Site Plans**



T9511  
HIGHFLATS



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

SITE NAME: HIGHFLATS

BASE STATION NUMBER: T9511

REV	DATE	BY	DESCRIPTION
A	16/11/2011	HV	FIRST ISSUE

NOTES:  
OWNER: VAN DER LINDE GERHARDUS PHILIPPUS JOHANNES

STRICTLY COMPANY CONFIDENTIAL  
PROPERTY DESCRIPTION:  
PORTION 3 (REMAINING EXTENT)  
OF THE FARM HIGHFLATS 252 IT

COORDINATES:  
LAT: 26°28' 11.69" S  
LONG: 30°31' 13.74" E

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

ADDRESS:  
OFF THE R33 TOWARDS LOTHAIR  
MSUKALIGWA  
GERT SIBANDE  
MPUMALANGA



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

RFQ NO.: 152068

PROJECT NUMBER: 120167

DRAWINGS MUST NOT BE SCALED. ONLY FIGURED DIMENSIONS TO BE USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT OF WORK.  
ALL WORK TO BE PERFORMED ACCORDING TO MTN BTS SITE INFRASTRUCTURE SPECIFICATION R/01/1001  
ISSUE 1 REVISION 0 NOVEMBER 2007

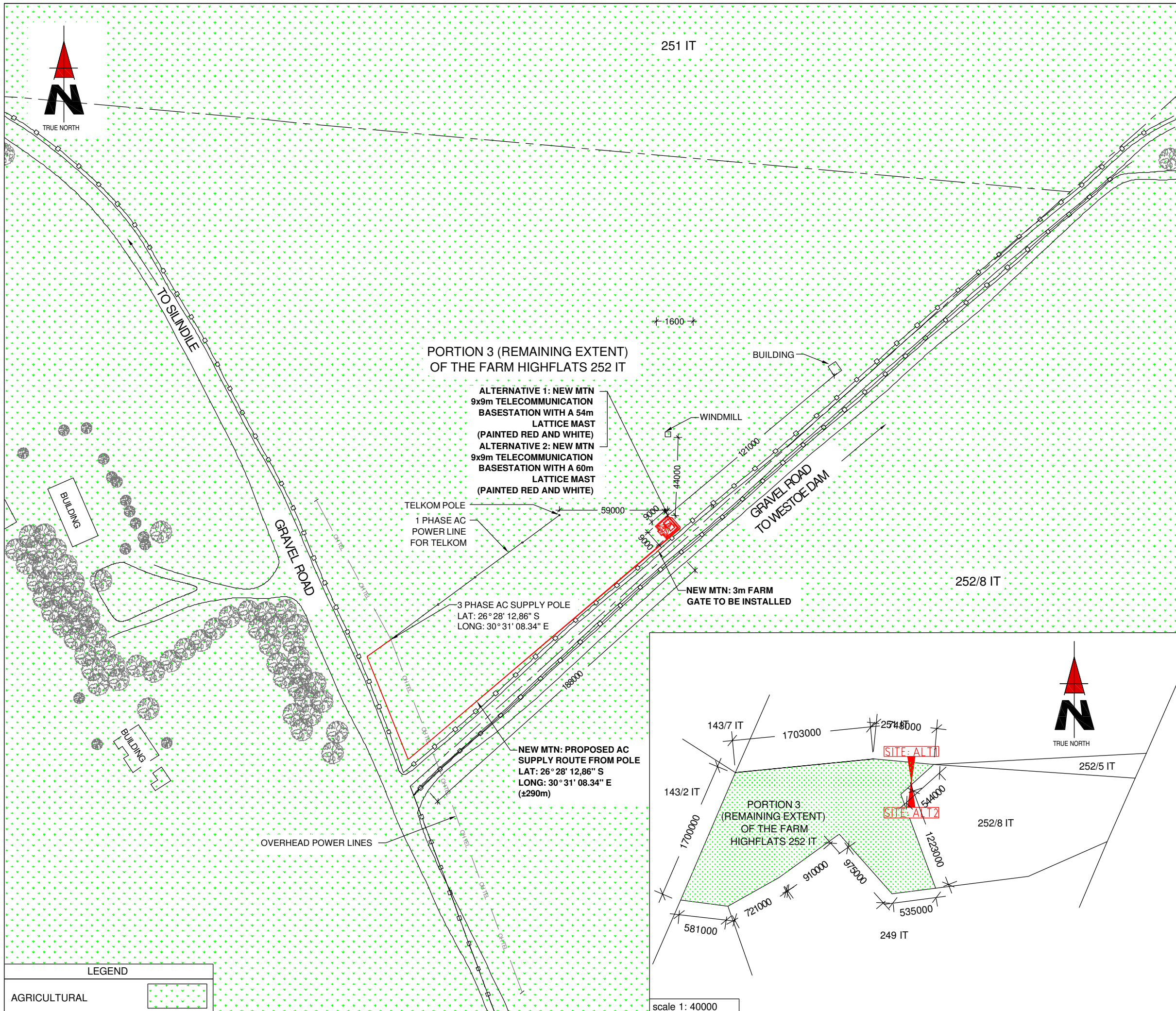
DRAWN: HANS V.D. WALT DATE: 16/11/2011

SCALE: NTS REF. NO: 812/T9511

LOCALITY MAP  
SHEET 1 OF 11







1267 Pretorius Street  
Block B, Hadelands Complex  
Hatfield, 0083

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

Postnet Suite 146  
Private Bag X15  
Menlo Park

**SITE NAME:** HIGHFLATS

**BASE STATION NUMBER:** T9511

REV	DATE	BY	DESCRIPTION
A	16/11/2011	HV	FIRST ISSUE

**NOTES:**  
OWNER: VAN DER LINDE GERHARDUS PHILLIPPUS JOHANNES

STRICTLY COMPANY CONFIDENTIAL

**PROPERTY DESCRIPTION:**  
PORTION 3 (REMAINING EXTENT)  
OF THE FARM HIGHFLATS 252 IT

**COORDINATES:**  
LAT: 26° 28' 11.69" S  
LONG: 30° 31' 13.74" E

**PROJECT:**  
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**ADDRESS:**  
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P.O. Box 32017  
Totiusdal  
0134

**RFQ NO.:**  
152068

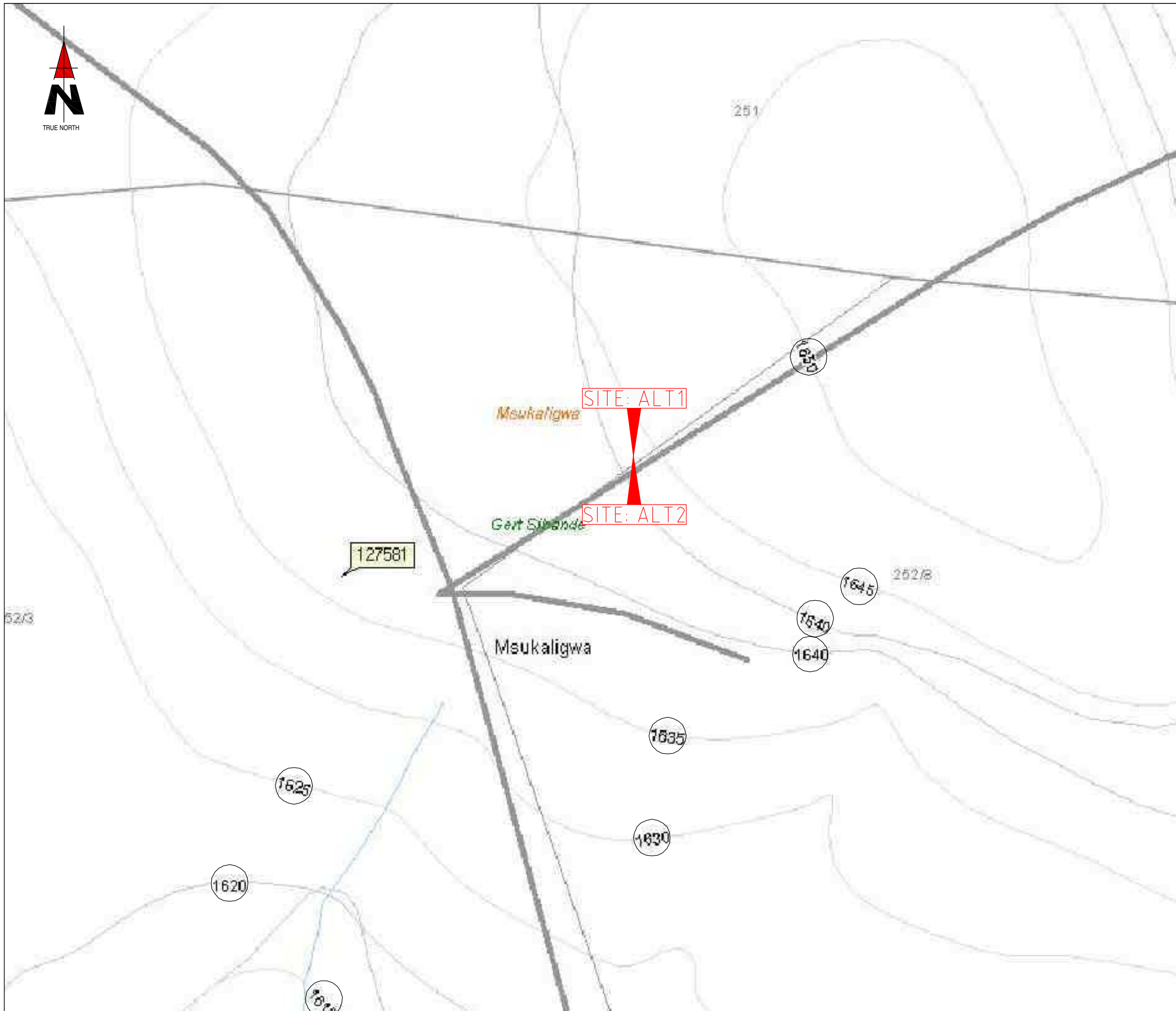
**PROJECT NUMBER:**  
120167

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ALL WORK TO BE PERFORMED ACCORDING TO MTN BTS SITE INFRASTRUCTURE SPECIFICATION R/01/1001  
ISSUE 1 REVISION 0 NOVEMBER 2007

**DRAWN:** HANS V.D. WALT      **DATE:** 16/11/2011

**SCALE:** 1:2000      **REF. NO:** 812/T9511

**SITE DEVELOPMENT PLAN  
SHEET 4 OF 11**



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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: **HIGHFLATS**

BASE STATION NUMBER: **T9511**

REV	DATE	BY	DESCRIPTION
A	16/11/2011	HV	FIRST ISSUE

NOTES:  
OWNER: VAN DER LINDE GERHARDUS PHILLIPPUS JOHANNES

STRICTLY COMPANY CONFIDENTIAL  
PROPERTY DESCRIPTION:  
PORTION 3 (REMAINING EXTENT)  
OF THE FARM HIGHFLATS 252 IT

COORDINATES:  
LAT: 26° 28' 11.69" S  
LONG: 30° 31' 13.74" E

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

ADDRESS:  
OFF THE R33 TOWARDS LOTHAIR  
MSUKALIGWA  
GERT SIBANDE  
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admin@infraplan.co.za  
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0134

RFQ NO.:  
152068

PROJECT NUMBER:  
120167

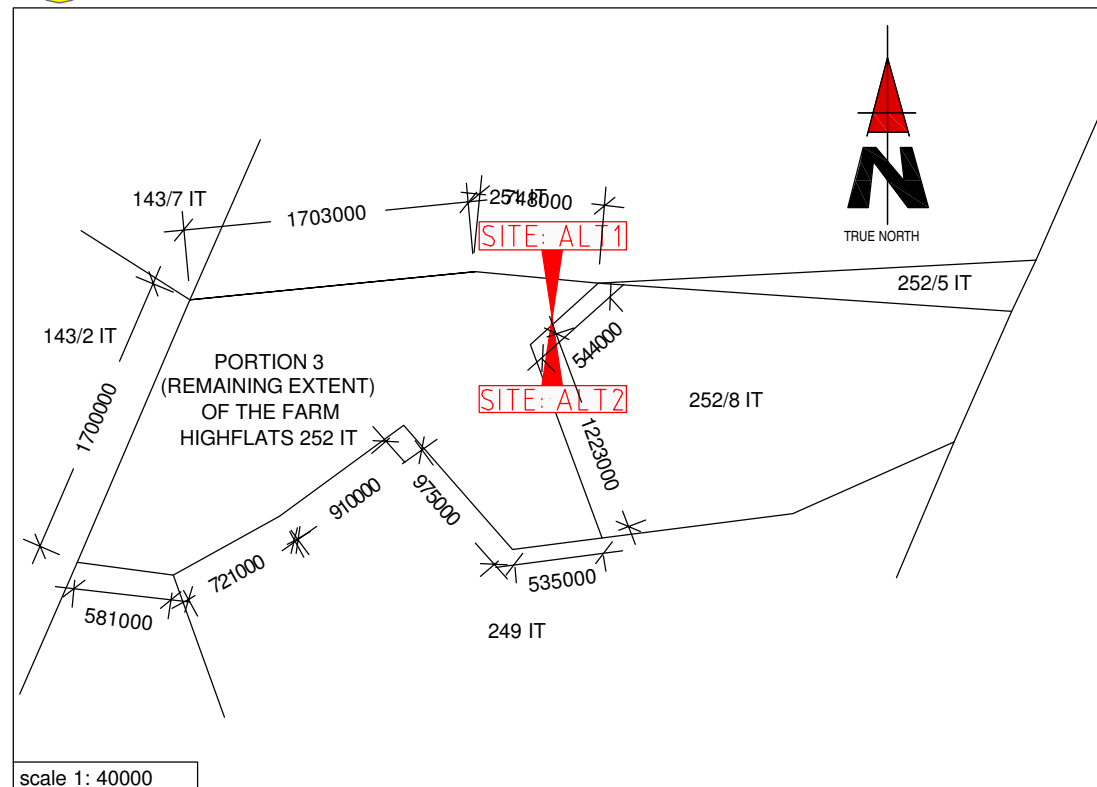
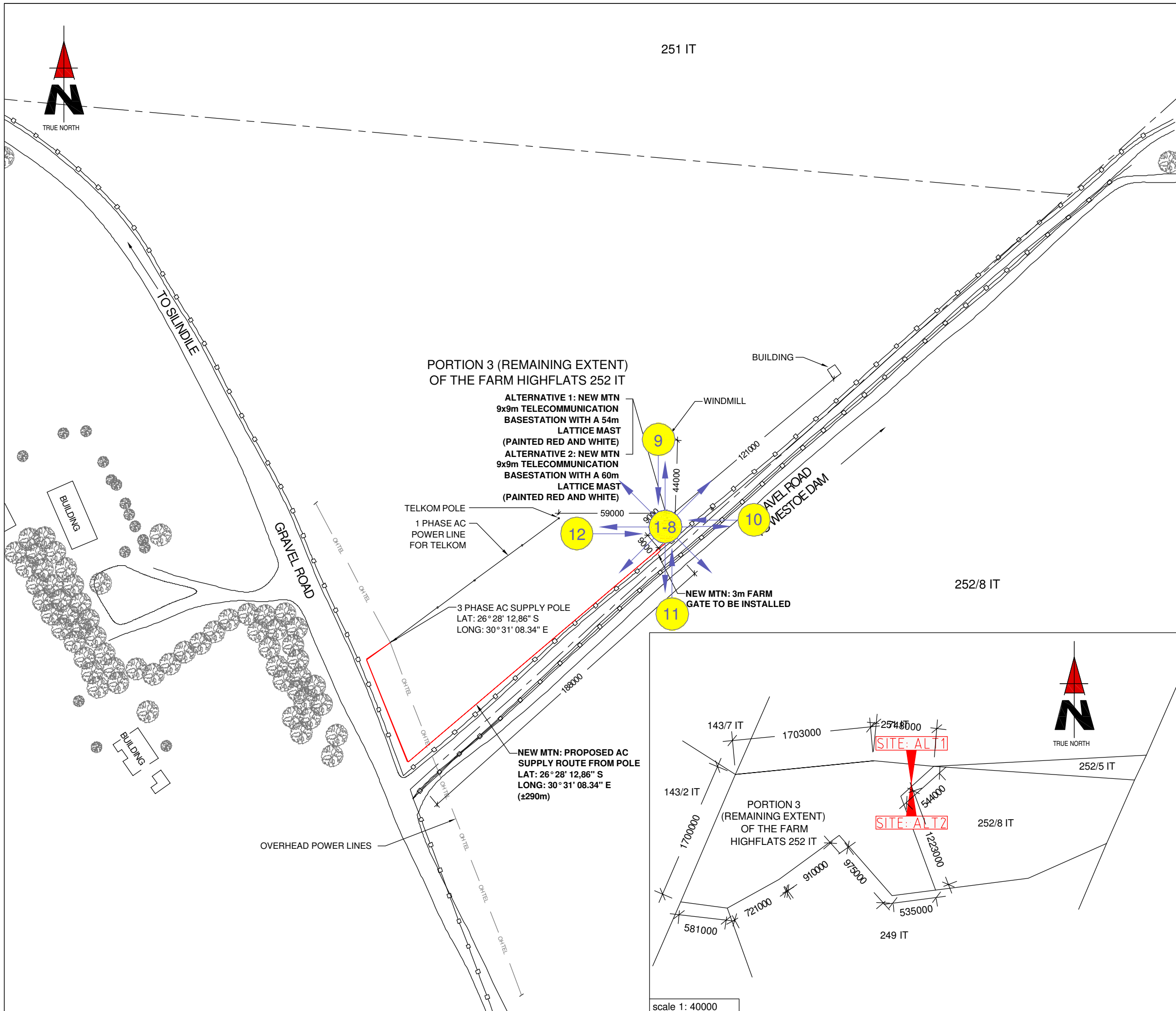
DRAWINGS MUST NOT BE SCALED. ONLY FIGURED DIMENSIONS TO BE USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT OF WORK.  
ALL WORK TO BE PERFORMED ACCORDING TO MTN BTS SITE INFRASTRUCTURE SPECIFICATION R/01/1001  
ISSUE 1 REVISION 0 NOVEMBER 2007

DRAWN: HANS V.D. WALT  
DATE: 16/11/2011

SCALE: NTS  
REF. NO: 812/T9511

CONTOUR INTERVAL  
SHEET 5 OF 11

**Appendix B: Site Photographs**



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: **HIGHFLATS**

BASE STATION NUMBER: **T9511**

REV	DATE	BY	DESCRIPTION
A	16/11/2011	HV	FIRST ISSUE

NOTES:  
OWNER: VAN DER LINDE GERHARDUS PHILLIPPUS JOHANNES

STRICTLY COMPANY CONFIDENTIAL

PROPERTY DESCRIPTION:  
PORTION 3 (REMAINING EXTENT)  
OF THE FARM HIGHFLATS 252 IT

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WITH A LATTICE MAST FOR MTN (PTY) LTD

ADDRESS:  
OFF THE R33 TOWARDS LOTHAIR  
MSUKALIGWA  
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0184

Tel: +27 (12) 804 1504/6  
Fax: +27 (12) 804 7072  
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P.O. Box 32017  
Totiusdal  
0134

RFQ NO.:  
152068

PROJECT NUMBER:  
120167

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ALL WORK TO BE PERFORMED ACCORDING TO MTN BTS SITE INFRASTRUCTURE SPECIFICATION R/01/1001 ISSUE 1 REVISION 0 NOVEMBER 2007

DRAWN: HANS V.D. WALT DATE: 16/11/2011

SCALE: 1: 2000 REF. NO: 812/T9511

SITE PHOTOGRAPHS  
SHEET 6 OF 11



# SITE PHOTOGRAPHS



1. Panoramic view from the site direction North



2. Panoramic view from the site direction North East

# SITE PHOTOGRAPHS

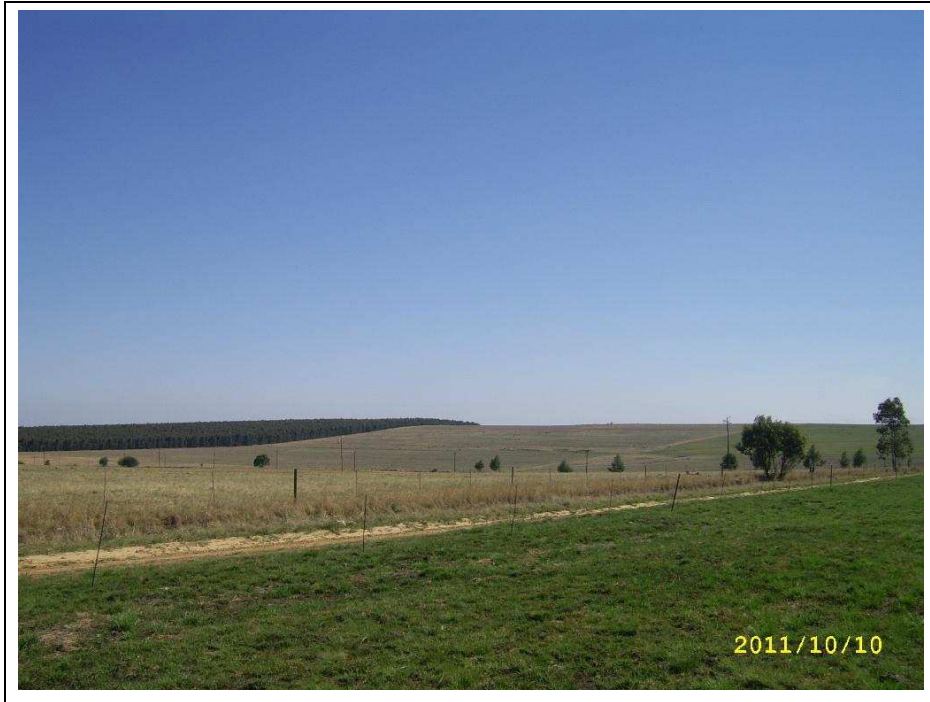


**3. Panoramic view from the site direction East**



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

# SITE PHOTOGRAPHS



**5. Panoramic view from the site direction South**



**6. Panoramic view from the site direction South West**

# SITE PHOTOGRAPHS



**7. Panoramic view from the site direction West**



**8. Panoramic view from the site direction North West**

# SITE PHOTOGRAPHS



9. View on basestation position direction North



10. View on base station position direction East

# SITE PHOTOGRAPHS



11. View on base station position direction South East

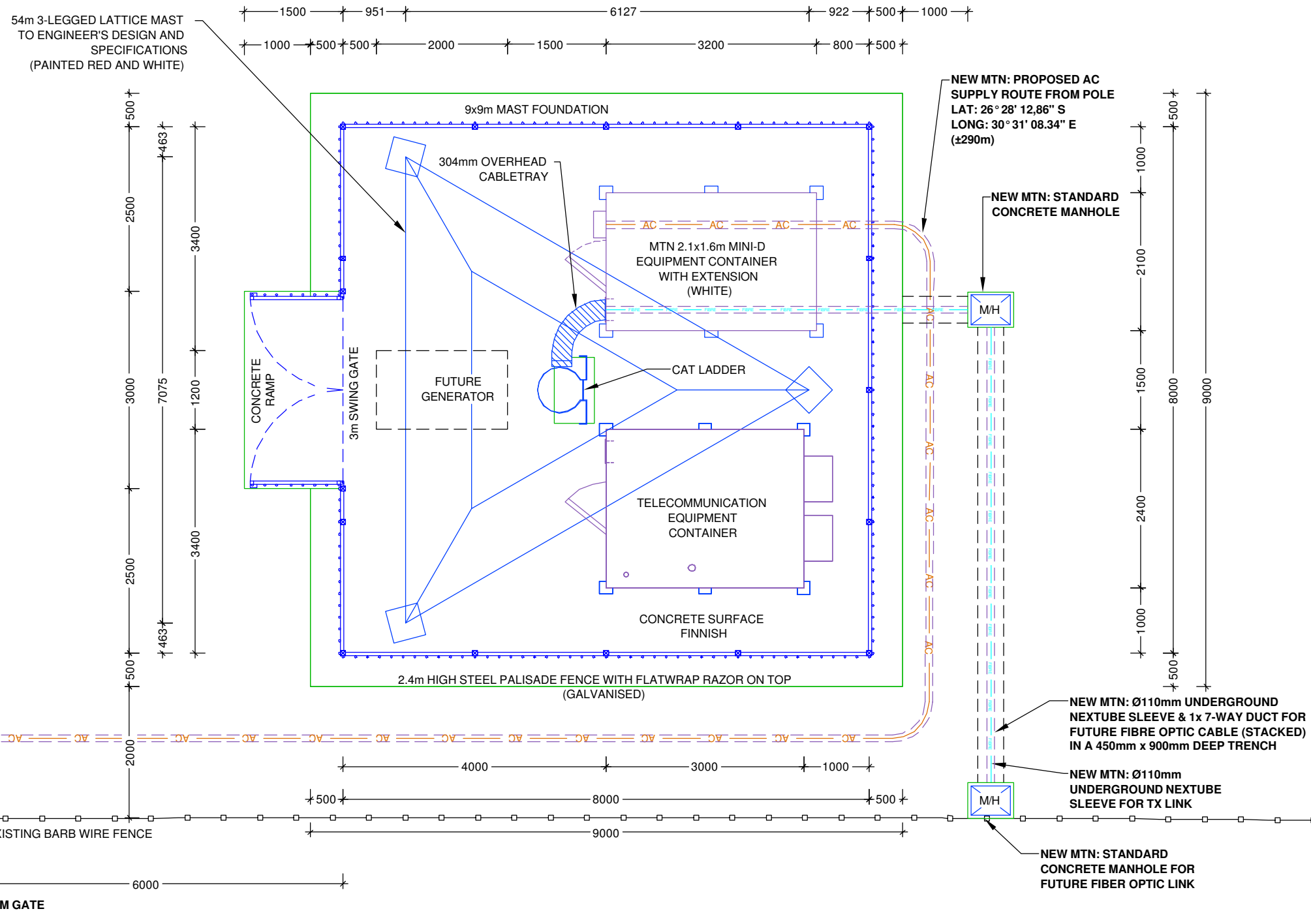


12. General view on site establishment area

## **Appendix C: Facility Illustrations**



PORTION 3 (REMAINING EXTENT)  
OF THE FARM HIGHFLATS 252 IT



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:  
**HIGHFLATS**

BASE STATION NUMBER:  
**T9511**

REV	DATE	BY	DESCRIPTION
A	16/11/2011	HV	FIRST ISSUE

NOTES:  
OWNER: VAN DER LINDE GERHARDUS PHILLIPPUS JOHANNES

STRICTLY COMPANY CONFIDENTIAL  
PROPERTY DESCRIPTION:  
PORTION 3 (REMAINING EXTENT)  
OF THE FARM HIGHFLATS 252 IT

COORDINATES:  
LAT: 26° 28' 11.69" S  
LONG: 30° 31' 13.74" E

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

ADDRESS:  
OFF THE R33 TOWARDS LOTHAIR  
MSUKALIGWA  
GERT SIBANDE  
MPUMALANGA



414 Rustic Road  
Silvertondale  
0184

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

P.O. Box 32017  
Totiusdal  
0134

RFQ NO.:  
152068

PROJECT NUMBER:  
120167

DRAWINGS MUST NOT BE SCALED. ONLY FIGURED DIMENSIONS TO BE USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT OF WORK.  
ALL WORK TO BE PERFORMED ACCORDING TO MTN BTS SITE INFRASTRUCTURE SPECIFICATION R/01/1001  
ISSUE 1 REVISION 0 NOVEMBER 2007

DRAWN: HANS V.D. WALT DATE: 16/11/2011

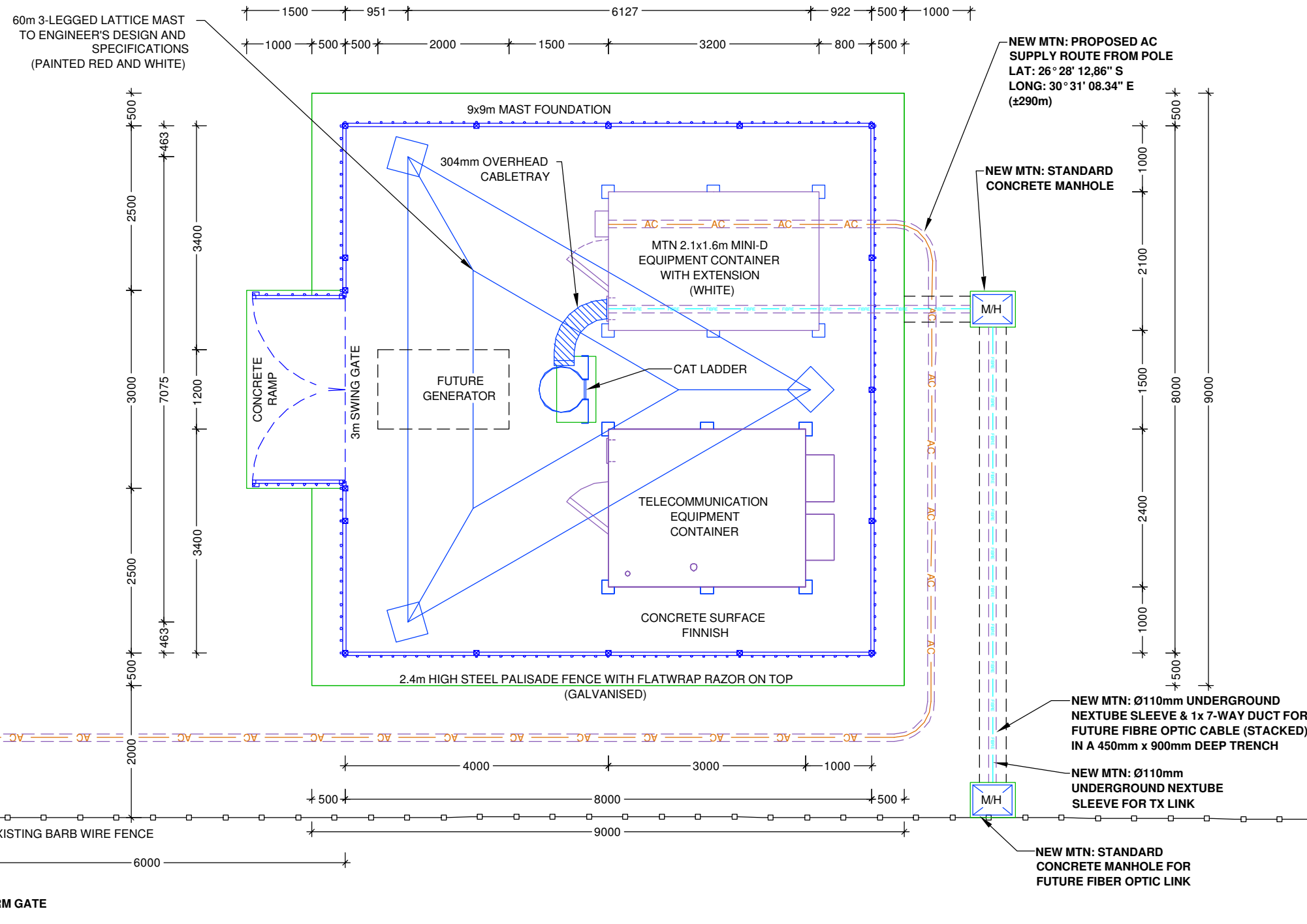
SCALE: 1:75 REF. NO: 812/T9511

SITE DETAIL: ALTERNATIVE 1  
SHEET 7 OF 11





PORTION 3 (REMAINING EXTENT)  
OF THE FARM HIGHFLATS 252 IT



1267 Pretorius Street  
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Tel. +27 (12) 342 2900  
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Menlo Park

SITE NAME: **HIGHFLATS**

BASE STATION NUMBER: **T9511**

REV	DATE	BY	DESCRIPTION
A	16/11/2011	HV	FIRST ISSUE

NOTES:  
OWNER: VAN DER LINDE GERHARDUS PHILLIPPUS JOHANNES

STRICTLY COMPANY CONFIDENTIAL  
PROPERTY DESCRIPTION:  
PORTION 3 (REMAINING EXTENT)  
OF THE FARM HIGHFLATS 252 IT

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PROJECT NUMBER:  
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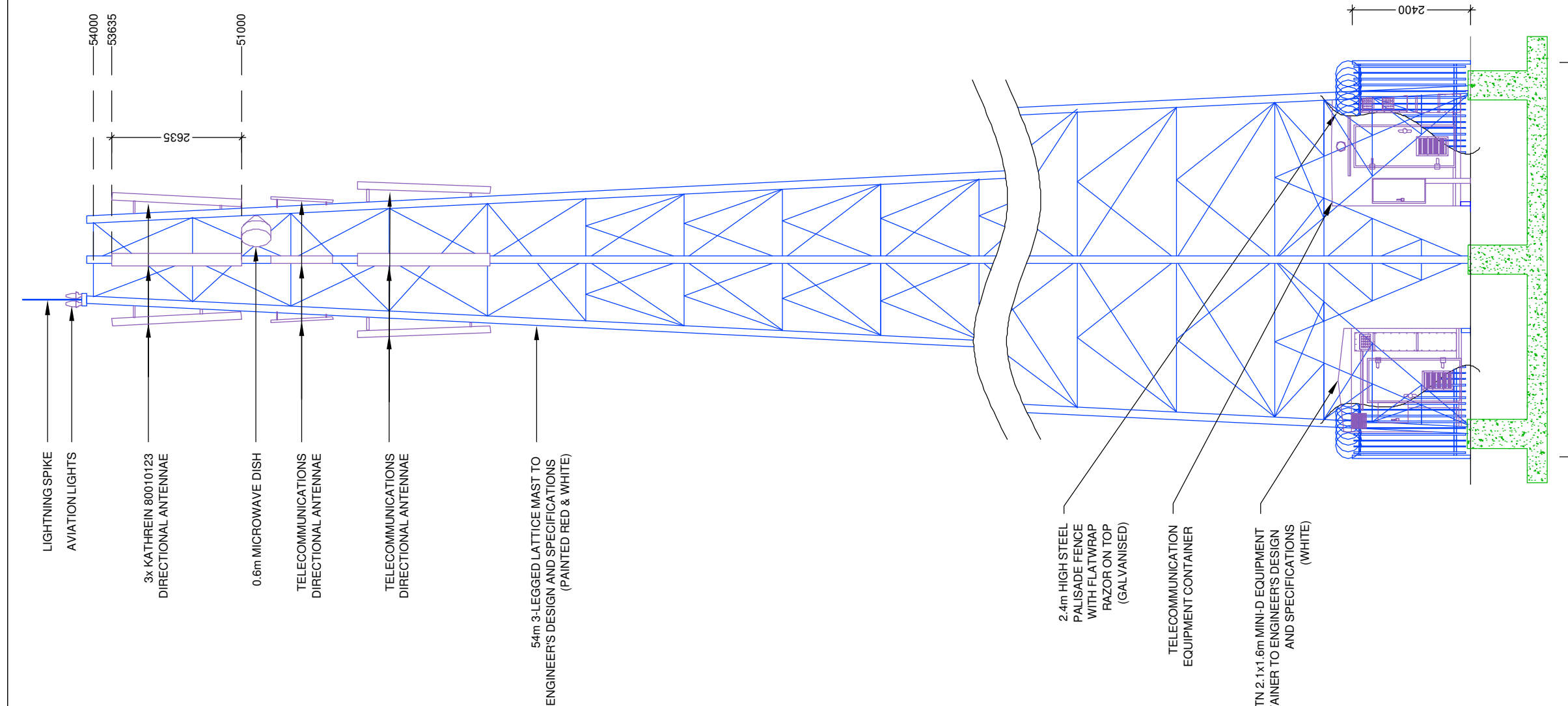
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ISSUE 1 REVISION 0 NOVEMBER 2007

DRAWN: HANS V.D. WALT DATE: 16/11/2011  
SCALE: 1:75 REF. NO: 812/T9511

SITE DETAIL: ALTERNATIVE 2  
SHEET 8 OF 11

**MTN ANTENNAE KEY**

SECTOR	AZIMUTH	ANTENNA	HEIGHT - BOTTOM (m)	MECH. TILT	ELEC. TILT	FEEDER SIZE	FEEDER LENGTH (m)
1	0°	K 80010123	51			7/8"	± 56
2	120°	K 80010123	51			7/8"	± 56
3	240°	K 80010123	51			7/8"	± 56



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: **HIGHFLATS**

BASE STATION NUMBER: **T9511**

REV	DATE	BY	DESCRIPTION
A	16/11/2011	HV	FIRST ISSUE

NOTES:  
OWNER: VAN DER LINDE GERHARDUS PHILLIPPUS JOHANNES

STRICTLY COMPANY CONFIDENTIAL  
PROPERTY DESCRIPTION:  
PORTION 3 (REMAINING EXTENT)  
OF THE FARM HIGHFLATS 252 IT

COORDINATES:  
LAT: 26° 28' 11.69" S  
LONG: 30° 31' 13.74" E

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

ADDRESS:  
OFF THE R33 TOWARDS LOTHAIR  
MSUKALIGWA  
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414 Rustic Road  
Silvertondale  
0184

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P.O. Box 32017  
Totiusdal  
0134

RFQ NO.: 152068

PROJECT NUMBER: 120167

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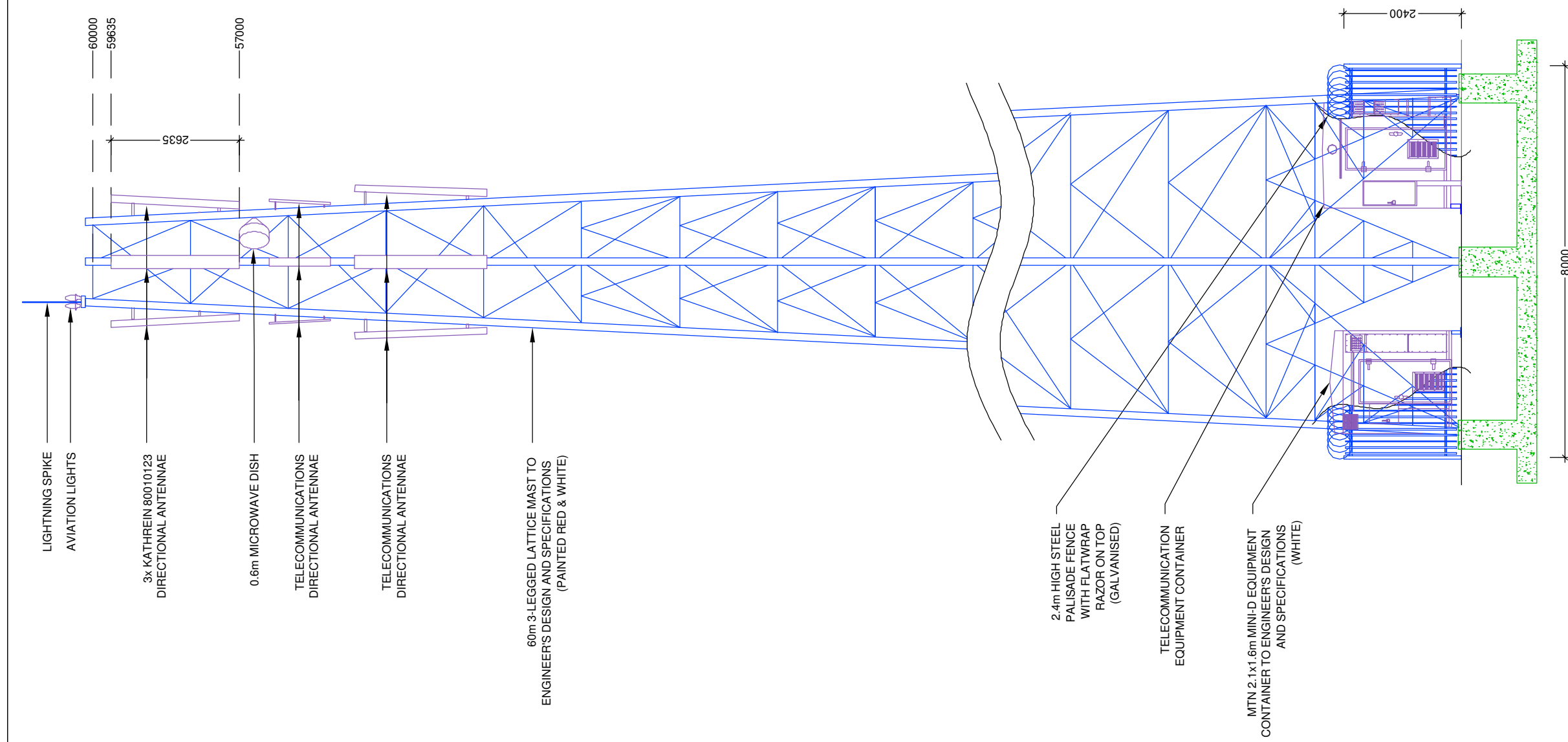
DRAWN: HANS V.D. WALT DATE: 16/11/2011

SCALE: 1:100 REF. NO: 812/T9511

**SOUTH ELEVATION: ALTERNATIVE 1  
SHEET 9 OF 11**

**MTN ANTENNAE KEY**

SECTOR	AZIMUTH	ANTENNA	HEIGHT - BOTTOM (m)	MECH. TILT	ELEC. TILT	FEEDER SIZE	FEEDER LENGTH (m)
1	0°	K 80010123	57			7/8"	± 62
2	120°	K 80010123	57			7/8"	± 62
3	240°	K 80010123	57			7/8"	± 62



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SITE NAME: **HIGHFLATS**

BASE STATION NUMBER: **T9511**

REV	DATE	BY	DESCRIPTION
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NOTES:  
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ISSUE 1 REVISION 0 NOVEMBER 2007

DRAWN: HANS V.D. WALT DATE: 16/11/2011

SCALE: 1:100 REF. NO: 812/T9511

**SOUTH ELEVATION: ALTERNATIVE 2  
SHEET 10 OF 11**



TYPICAL 3 LEGGED LATTICE MAST  
(PAINTED RED AND WHITE)



1267 Pretorius Street  
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REV	DATE	BY	DESCRIPTION
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STRICTLY COMPANY CONFIDENTIAL

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ISSUE 1 REVISION 0 NOVEMBER 2007

DRAWN: HANS V.D. WALT  
SCALE: NTS

DATE: 16/11/2011  
REF. NO: 812/T9511

FACILITY ILLUSTRATION  
SHEET 11 OF 11

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

**Appendix E: Comments and responses report**

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

Site number: **T9511**  
 Site Name: **Highflats**  
 EIA reference no.: **17/2/3/GS-89**

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	17/05/2012	The Municipal Manager	Msukaligwa Local Municipality, PO Box 48, Ermelo, 2350	Mr T Dlamini, Environmental Management Section, Fax: 017 801 3851	NA	Auto I&AP	No comments received	Sent Draft BAR
2	17/05/2012	The Ward Councillor	Msukaligwa Local Municipality, PO Box 48, Ermelo, 2350	Clr SL Jele, Ward 15, Fax 017 801 3851	NA	Auto I&AP	No comments received	Sent Draft BAR
3	17/05/2012	The District Municipality	Gert Sibande District Municipality, PO Box 1748, Ermelo, 2350	Mr A Ngcobo, Environmental Management Section, 017 811 1207	NA	Auto I&AP	No comments received	Sent Draft BAR
4	17/05/2012	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
5	17/05/2012	SACAA	Private Bag x73, Halfway House 1685	Tel: (011) 545 1000 Fax: (011) 545 1451	NA	Auto I&AP	Approved with day & night markings	Paint mast red & white and install red navigation lights on top
6	03/10/2011	GPJ van der Linde	PO Box 141, Lothair, 2370	Mr GPJ van der Linde, 017 845 1074, Mobile 082 865 4082	Lease Negotiations	Land Owner	Signed Lease	Sent Draft BAR
7	25/05/2012	Lion Match Forestry (Pty) Ltd	892 Umgeni Road, Durban 4001, Kwa-Zulu Natal; P.O Box 918, Durban, 4000	Karen van Wyk, Company Secretarial Dept. Tel: (031) 308 1711 Fax: (031) 312 9681	Public Notice	17/05/2012	No objection, concerns regarding warning lights on tower. Thanks for additional info. Sent Postal Address for copy of BAR	Acknowledge receipt, Registered as I&AP, Sent additional info, Sent Draft BAR



Registration No. 2007/011484/07

892 Umgeni Road, Durban 4001, KwaZulu-Natal, South Africa, P O Box 918, Durban, 4000  
Telephones National (031) 308 1711 International + 27 31 308 1711 Fax (031) 312 9681

25 May 2012

Attention: WA Van't Foort  
Torbiouse Solutions CC  
P.O. Box 32017  
Totiusdal  
0134

Email: [admin@torbiousesolutions.co.za](mailto:admin@torbiousesolutions.co.za)

Dear Sir/ Madam

**RE: 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) : II (EE) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON REMAINING EXTENT PORTION 3 OF THE FARM HIGHFLATS 252 IT**

We acknowledge receipt of your letter dated 17 May 2012, regarding the above.

We have no objection to your proposed establishment of a MTN (Pty) Ltd telecommunication base station on the property neighbouring ours (Remaining Extent of Portion 3 of the Farm Highflats 252 IT).

We are concerned, however, about the aerial bombers (fire-fighting aircraft) we are required to use from time to time, it being a forestry area, and request that adequate warning lights are installed on the tower to minimise risk to these low-flying aircraft.

Please confirm receipt of the above request – we would appreciate a response regarding our concern.

Yours faithfully,

**RM BAKER**  
Group Secretary  
For Lion Match Forestry (Pty) Ltd  
Owner of Portion 2 & 7 of the farm Clifton 143 IT

*Chairman NMI Abdoola Group Managing Director C de Jager  
Directors A Heeralal, SA Moosa, SM Moosa, AGS Osman  
Group Secretary RM Baker*



Our Reference:  
T9511 Highflats

Your Reference:  
/ 17/2/3 GS-89

T9511

21 June 2012

Lion Match Forestry (Pty) Ltd  
Group Secretary  
P O Box 918  
Durban  
4000



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

Fax : 031 – 312 9681  
Email: KarenvW@lionmatch.co.za

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 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (A) & (B) : II (EE) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON REMAINING EXTENT OF PORTION 3 OF THE FARM HIGHFLATS 252 IT.**

Thank you for your letter of concern. You have been registered as an Interested & Affected Party. We herewith wish to acknowledge receipt of your correspondence dated the 25<sup>th</sup> of May 2012, the contents of which has been noted.

An application for approval of the mast was submitted by the client to the South African Civil Aviation Authority (SACAA). The SACAA prescribe day and night markings for all masts from 45m and higher. This means the mast will be painted red & white (prescribed day markings), and red navigation lights (prescribed night markings) will be installed on the mast.

Please note that you will receive a copy of the Basic Assessment Report for your perusal and comments.

Kindly confirm the postal address to which you want the Report to be send.

Yours faithfully

  
**WA VAN'TFOORT**  
For: Torbious Solutions CC

## Wilbert Van't Foort

---

**From:** Karen van Wyk [KarenvW@lionmatch.co.za]  
**Sent:** 21 June 2012 04:31 PM  
**To:** Wilbert Van't Foort  
**Cc:** Desire Strydom [ MTN - Sandton ]; Baker, Robert  
**Subject:** RE: 120621 T9511 Highflats - Telecommunication mast

Dear Mr Van't Foort

Thank you for your email and the attached letter addressing our concerns.

You may post the report to:

**PO Box 918**  
**Durban**  
**4000**

(please mark it for my attention)

Regards,

Karen van Wyk  
Company Secretarial Dept.



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Direct Fax: 086 545 0474  
[www.lionmatch.co.za](http://www.lionmatch.co.za)

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Chairman NMI Abdoola  
Deputy Chairman AH Trikamjee  
Group Managing Director C de Jager  
Directors A Heeralal, SA Moosa, SM Moosa, AGS Osman  
Group Secretary RM Baker*

---

**From:** Wilbert Van't Foort [mailto:wilbert@infraplan.co.za]  
**Sent:** 21 June 2012 03:31 PM  
**To:** Karen van Wyk  
**Cc:** Desire Strydom [ MTN - Sandton ]  
**Subject:** 120621 T9511 Highflats - Telecommunication mast

Dear Madam,

**RE: ESTABLISHMENT OF MTN TELECOMMUNICATION BASE STATION ON PORTION 3, REMAINING EXTENT OF THE FARM HIGHFLATS 252 IT**

Please find attached our reply letter to your enquiry regarding the above mentioned development.

Kind Regards,

Wilbert van't Foort  
Environmental Assessment  
Fax: 086 690 0468



**Torblouse Solutions CC**  
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**Appendix F: EMPR**



## **Environmental Management Plan (EMP)**

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

### **MobileTelephone Networks (Pty) Ltd**

Project Reference Number:

**17/2/3GS-89**

*Portion 3 (Remaining Extent) of the farm Highflats 252 IT*

*T9511*

11 September 2012

## DOCUMENT APPRAISAL

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

**Department Reference Number: 17/2/3GS-89**

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## **EXECUTIVE SUMMARY**

The proponent, MTN (Pty) Ltd, intends the **ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION MAST ON PORTION 3 (REMAINING EXTENT) OF THE FARM HIGHFLATS 252 IT.**

The **Mpumalanga Department of Economic Development, Environment & Tourism** requested that an Environmental Management Plan (EMP) 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 EMP pertains to the project as a whole and aims to integrate environmental planning, design, construction and operational activities on the site.

The EMP 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 EMP forms part of the contractual obligation between the Contractor and the proponent, MTN (Pty) Ltd.

# 1 INTRODUCTION

## 1.1 Background and Brief Project Description

The proposed project involves the **ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION MAST ON PORTION 3 (REMAINING EXTENT) OF THE FARM HIGHFLATS 252 IT.**

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

### 1.1.1 Aims of the EMP

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

The EMP 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 EMP is typically dynamic in nature.

### 1.1.2 Contents of the EMP

The EMP consists of the following sections:

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

**Chapter 2: Administration and regulation of environmental obligations:** This section identifies the proposed mechanisms for monitoring compliance with the EMP 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 EMP, 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 EMP 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 EMP 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 EMP 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 EMP. 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 EMP 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 EMP 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 EMP. All modifications to the EMP shall be approved by the Department before; if possible, any changes or adjustments to the EMP are implemented. Any material changes or adjustments to the EMP shall be registered accordingly on MTN's operating system.. Adjustment and update of the original EMP 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 EMP 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 EMP. 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	<p>Report to ESA and continue observations.</p> <p><b>Also check:</b></p> <ul style="list-style-type: none"> <li>➤ That the source causing the spillage is decommissioned, and that the affected area is isolated to prevent spreading of the hazardous substance</li> </ul>	<p>Action will be required asap by following the next steps:</p> <ul style="list-style-type: none"> <li>➤ Dig down into the soil to see how far down the pollution has penetrated;</li> <li>➤ If penetration is less than 300mm:               <ol style="list-style-type: none"> <li>a. Turn the soil over to expose it to the air;</li> <li>b. Apply Mono Ammonium Phosphate (MAP) at a rate of 58gr/m<sup>2</sup> to the dug up soil</li> <li>c. Water enough to keep the soil moist</li> </ol> </li> <li>➤ If penetration is greater than 300mm:               <ol style="list-style-type: none"> <li>a. Remove the affected soil and spread in a layer not more than 300mm thick;</li> <li>b. Apply MAP at a rate of 50gr/m<sup>2</sup></li> <li>c. Water enough to keep the soil moist</li> </ol> </li> <li>➤ Repeat the above steps every 6 weeks or until the soil is clean</li> </ul>
General Surface Erosion	<p>Report to ESA and continue observations.</p> <p><b>Also check:</b></p> <ul style="list-style-type: none"> <li>➤ In respect of erosion of roads that all vehicular movement is restricted to the existing access routes to prevent criss-crossing of tracks through undisturbed areas.</li> </ul>	<p>Action will be required asap:</p> <ul style="list-style-type: none"> <li>➤ Implement erosion protection works at identified problem areas;</li> <li>➤ Implement remedial works to be done at affected areas in order to restore the area to its previous or better status.</li> </ul>

This EMP 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

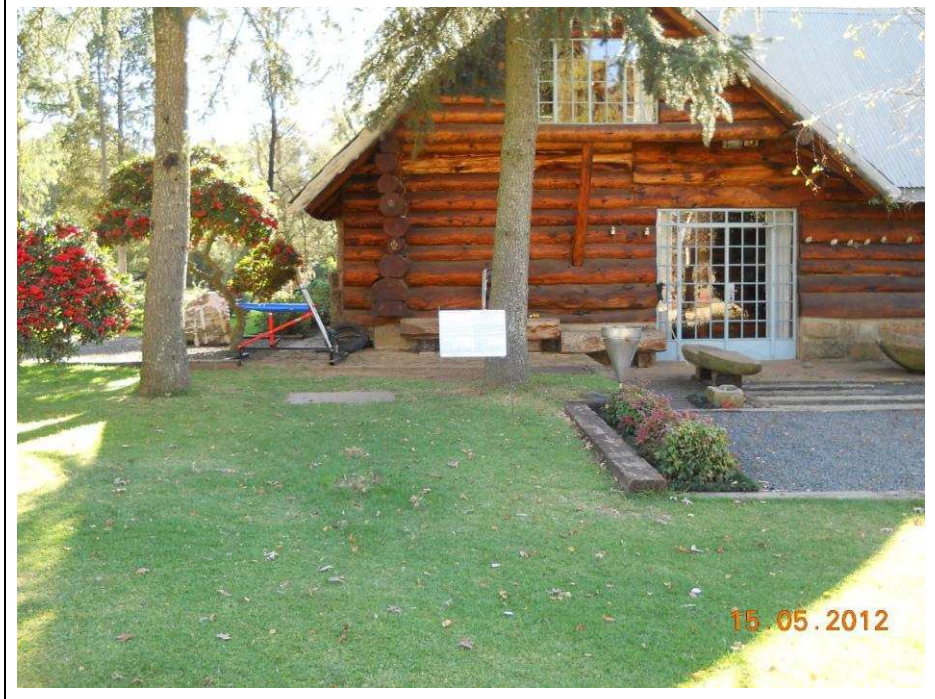


**Site Notice 1 affixed to temporary stand next to tree and wooden house**



**Site Notice 1 affixed to temporary stand next to tree and wooden house**

# Proof of Site Notice



**Site Notice 1 affixed to temporary stand next to tree and wooden house**



**Site Notice 2 affixed to temporary stand next to old building**

# Proof of Site Notice



Site Notice 2 affixed to temporary stand next to old building



Site Notice 2 affixed to temporary stand next to old building

# Proof of Site Notice



Site Notice 3 affixed to temporary stand next to Country Trax Board



Site Notice 3 affixed to temporary stand next to Country Trax Board

# Proof of Site Notice



**Site Notice 3 affixed to temporary stand next to Country Trax Board**

**G1(b) – Proof of Written Notices**

Our Reference:  
T9511 / 17/2/3 GS - 89

Your Reference:

17 May 2012

**Owner of Portion 4 of the farm Highflats 252 IT**  
**Owner of the farm Usutu Opstal 251 IT**  
Mr. J.P Cilliers  
P.O Box 423  
**LOTHAIR**  
2370



**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 IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON REMAINING EXTENT PORTION 3 OF THE FARM HIGHFLATS 252 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 Remaining Extent of Portion 3 of the Farm Highflats 252 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

*P.P* 

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

## PUBLIC PARTICIPATION PROCESS

REFERENCE NUMBER: 17/2/3 GS - 89

Regulation 546 activity 3: Establishment of an enclosed telecommunication base station with a 54m mast for MTN (Pty) Ltd: T9511 Highflats

Location: Remaining Extent Portion 3 of the farm Highflats 252 IT

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

Alternative 1: Latitude: 26° 28' 11.69" S Longitude: 30° 31' 13.74" E  
(Latitude type mast painted red and white)

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

Basic assessment procedures will be applied in accordance with regulation 543 and an application 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 A 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:

(date in full)

## UHLELO LOKUHLANGANYELA KOMPHEKATHI

INOMBOLO YEREFERENSI: 17/2/3 GS - 89

Umyalelo womthetho 546 umsebenzi 3: Isakhiwo esiyisizinda sezokuxhumana ngocingo esivalekile se-MTN (Pty) Ltd ene-mast engama-54m kanye nendawo (nezindawo) yokubeka impahla: T9511 Highflats

Indawo: Remaining Extent Portion 3 of the farm Highflats 252 IT

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

Esihlukile 1: Ububanzi: 26° 28' 11.69"S Ubude: 30° 31' 13.74"E  
Induku ye-lattice ependwe ngokubomvu nokumhlophe

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

Izinqubo eziyisisekelo zokuhlola zizosetshenziswa ngokuvumelana nemiyalelo yomthetho 543 bese kufakwa isicelo 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 ahole 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 A van't Foot

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

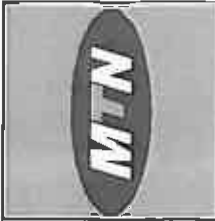
i-e-meyili: admin@torbiosesolutions.co.za

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

Usuku lokushicilelwa kweSaziso:

(date in full)





1975 Pyramus Street  
Boksburg, Johannesburg  
Tel: +27 (0) 21 562 5000  
Fax: +27 (0) 21 562 5006  
www.mtn.co.za

**SITE NAME:** HIGHFLATS

**BASE STATION NUMBER:** T9511

REV	DATE	BY	DESCRIPTION
A	18/11/2011	MV	FIRST ISSUE

**NOTES:**  
CHECK VAN DER LINDE'S/VERMOEDENDE RELEVANSIE TOEGANGS

**PROPERTY DESCRIPTION:**  
STRICTLY COMPANY CONFIDENTIAL  
PORTION 3 (REMAINING EXTENT)  
OF THE FARM HIGHFLATS 252 IT

**COORDINATES:**  
LAT 28° 28' 11.86" S  
LONG 30° 31' 13.74" E

**PROJECT:**  
NEW 90m TELECOMMUNICATION BASE STATION  
WITH A LATTICE MAST FOR MTH (97Y) LTD

**ADDRESS:**  
OFF THE R33 TOWARDS LOTHAR  
MOKALINGWA  
GERT SIBANDI  
MPLUMALANGA

**INFRASTRUCTURE PLANNING SERVICES**

**IPS**

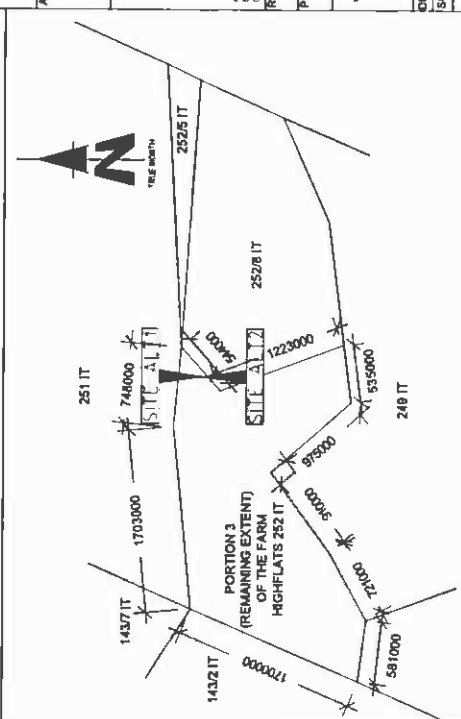
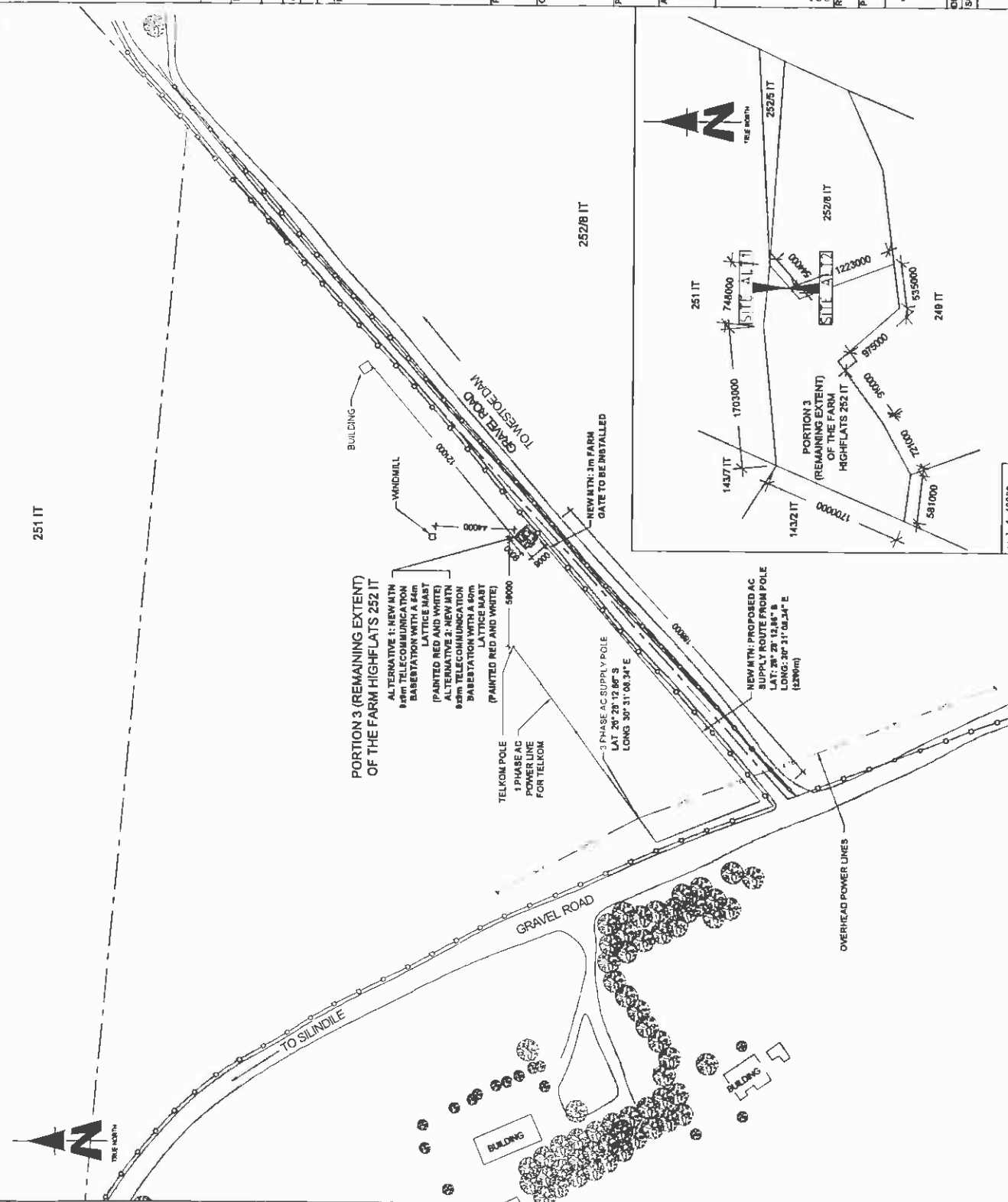
**414 Marine Road  
Somersetdale  
Tel: +27 (0) 21 654 5648  
Fax: +27 (0) 21 654 7072  
info@ipsinfrastructure.co.za**

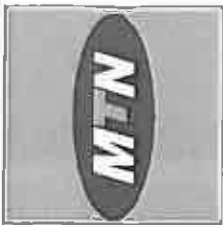
**RFQ NO.:** 152888  
**PROJECT NUMBER:** 120107

**DRAWN:** HANS V D WALT  
**DATE:** 18/11/2011  
**SCALE:** 1 : 2000  
**REF. NO.:** 612/19511

**SITE DEVELOPMENT PLAN**  
**SHEET 3 OF 11**

251 IT





1977 Pretorius Street  
Boksburg, Midrand  
1709 (Johannesburg)  
Tel: +27 (0) 11 732 3300  
Fax: +27 (0) 11 732 3300  
www.mtn.co.za

**SITE NAME**  
HIGHFLATS

**BASE STATION NUMBER**  
T9511

REV	DATE	BY	DESCRIPTION
A	18/11/2011	HW	FIRST ISSUE

**NOTES**  
OWNER VAN DER LINDE GUARANTEES THE LAYOUT DIMENSIONS

**PROPERTY DESCRIPTION**  
STRICTLY COMPANY CONFIDENTIAL  
PORTION 3 (REMAINING EXTENT)  
OF THE FARM HIGHFLATS 222 IT

**COORDINATES**  
LAT 29° 28' 11.90" S  
LONG 30° 31' 13.74" E

**PROJECT**  
NEW 3 LEG TELECOMMUNICATION BASE STATION  
WITH LATTICE MAST FOR MTN (PTV) LTD

**ADDRESS**  
OFF THE R33 TOWARDS LOTHAIR  
MUSKALOGWA  
GERT SIRBANDE  
MPUMALANGA



414 Dialek Road  
Stellenbosch  
7130  
Tel: +27 (0) 22 864 1004  
Fax: +27 (0) 22 864 1002  
www.infra-plan.co.za

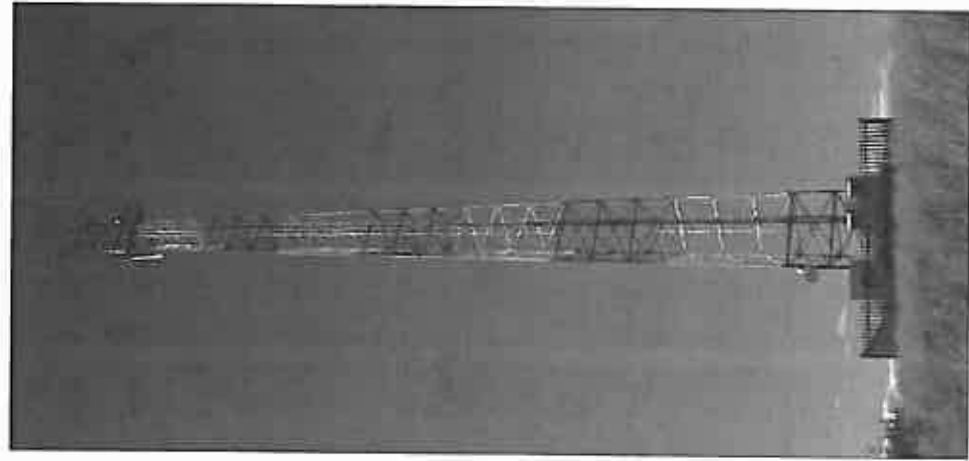
P.O. Box 12017  
Tolosaan  
0196

**PROJECT NUMBER**  
152081  
120157

**DRAWN** HANS V D WALT  
**DATE** 18/11/2011  
**REF. NO.** 81278511

**SCALE** NTS

**FACILITY ILLUSTRATION**  
SHEET 11 OF 11



TYPICAL 3 LEGGED LATTICE MAST  
(PAINTED RED AND WHITE)

Our Reference:  
T9511 / 17/2/3 GS - 89

Your Reference:

17 May 2012

**Owner of Portion 2 & 7 of the farm Clifton 143 IT**  
Lion Match Forestry (Pty) Ltd  
P.O Box 918  
**DURBAN**  
4000



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 IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON REMAINING EXTENT PORTION 3 OF THE FARM HIGHFLATS 252 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 Remaining Extent of Portion 3 of the Farm Highflats 252 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

*P.P.* A handwritten signature in black ink, appearing to read "WA Van't Foort", written over a circular stamp or mark.

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

## PUBLIC PARTICIPATION PROCESS

REFERENCE NUMBER: 17/2/3 GS - 89

Regulation 546 activity 3: Establishment of an enclosed telecommunication base station with a 54m mast for MTN (Pty) Ltd: T9511 Highflats

Location: Remaining Extent Portion 3 of the farm Highflats 252 IT

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

Alternative 1: Latitude: 26° 28' 11.69" S Longitude: 30° 31' 13.74" E  
(Lattice type mast painted red and white)

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

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

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

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

**Environmental Assessment Practitioner (EAP):**

Torbouse Solutions CC,  
P.O. Box 32017, Totiusdal, 0134  
Attention: W A van't Foot

Telephone: (012) 804 1504/6; Facsimile: (012) 804 7072  
E-mail: admin@torbousesolutions.co.za

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

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

Notice publication date: (date in full)

## UHLELO LOKUHLANGANYELA KOMPHEKATHI

INOMBOLO YEREFERENSI: 17/2/3 GS - 89

Umyalelo womthetho 546 umsebenzi 3: Isakhiwo esiyisizinda sezokuxhumana ngocingo esivalekile se-MTN (Pty) Ltd ene-mast engama-54m kanye nendawo (nezindawo) yokubeka impahla: T9511 Highflats

Indawo: Remaining Extent Portion 3 of the farm Highflats 252 IT

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

Eshlukile 1: Ububanzi: 26° 28' 11.69"S Ubude: 30° 31' 13.74"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 yamenyenzelwa ngokuhambisana Nomthetho Wokuphatha Ezenhlalo Kuzwelonke (i-National Environmental Management Act) ka-1998 (Umthetho weNombolo-107 ka-1998) njengoba uchibiyelwe (i-"NEMA").

Izinqubo eziyisisekelo zokuhlola zizosetshenziswa ngokuvumelana nemiyalelo yomthetho 543 bese kufakwa isicelo eMnyangweni Wezolimo, Ukunakekwa kanye neZemvelo WaseMpumalanga. Umenzi wesicelo uhlose futhi ukwenza isicelo kuMnyango Wezolimo waseMpumalanga, Ukulondolozwa Kwamagugu Nezemvelo ukuze akhululiwe ngokwemibandela yomthetho 50(1) weMithetho Yokuhlola Kokuthinteka Kwemvelo ka-2010 (R543) ukuze ahlole ezinye izindlela zokuqhubeka nomsebenzi ohleliwe.

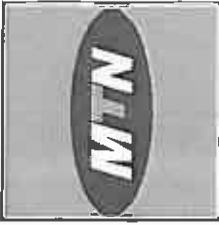
**Umuntu ofaka Isicelo:**  
MTN (Pty) Ltd, P.O. Box 4559, Northcliff, 2115.

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

Torbouse Solutions CC., P.O. Box 32017, Totiusdal, 0134  
kuqondiswe ku- W A van't Foot  
Ucingo: (012) 804 1504/6, ifeksi: (012) 804 7072,  
i-e-meyili: admin@torbousesolutions.co.za

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

Usuku lokushicilelwa kweSaziso: (date in full)



17th Floor, 17th Street, Sandton  
 17th Floor, 17th Street, Sandton  
 Tel: +27 (0) 21 532 7000  
 Fax: +27 (0) 21 532 7008  
 www.mtn.com

**SITE NAME**  
 HIGHFLATS

**BASE STATION NUMBER**  
 T9511

REV	DATE	BY	DESCRIPTION
A	18/11/2011	HY	PROB ISSUE

**NOTES**  
 OWNER: VAN DER LINDE, BERNARDUS PHILLIPS & SCHAMBER

**PROPERTY DESCRIPTION**  
 STRICTLY COMPANY CONFIDENTIAL  
 PORTION 3 (REMAINING EXTENT)  
 OF THE FARM HIGHFLATS 252 IT

**COORDINATES**  
 LAT: 28° 28' 11.89" S  
 LONG: 30° 31' 13.74" E

**PROJECT**  
 9.95m TELECOMMUNICATION BASESTATION  
 WITH A LATTICE MAST FOR MTH (PTV) LTD

**ADDRESS**  
 OFF THE R311 TOWARDS LOTHUR  
 MSUKALONGA  
 GERT SIBANDE  
 IMPHALANGA

**INFRASTRUCTURE PLANNING SERVICES**  
**IPS**

414 Public Road  
 Germiston  
 1401  
 Tel: +27 (0) 21 864 1008  
 Fax: +27 (0) 21 864 7072  
 www.ipsafrica.com

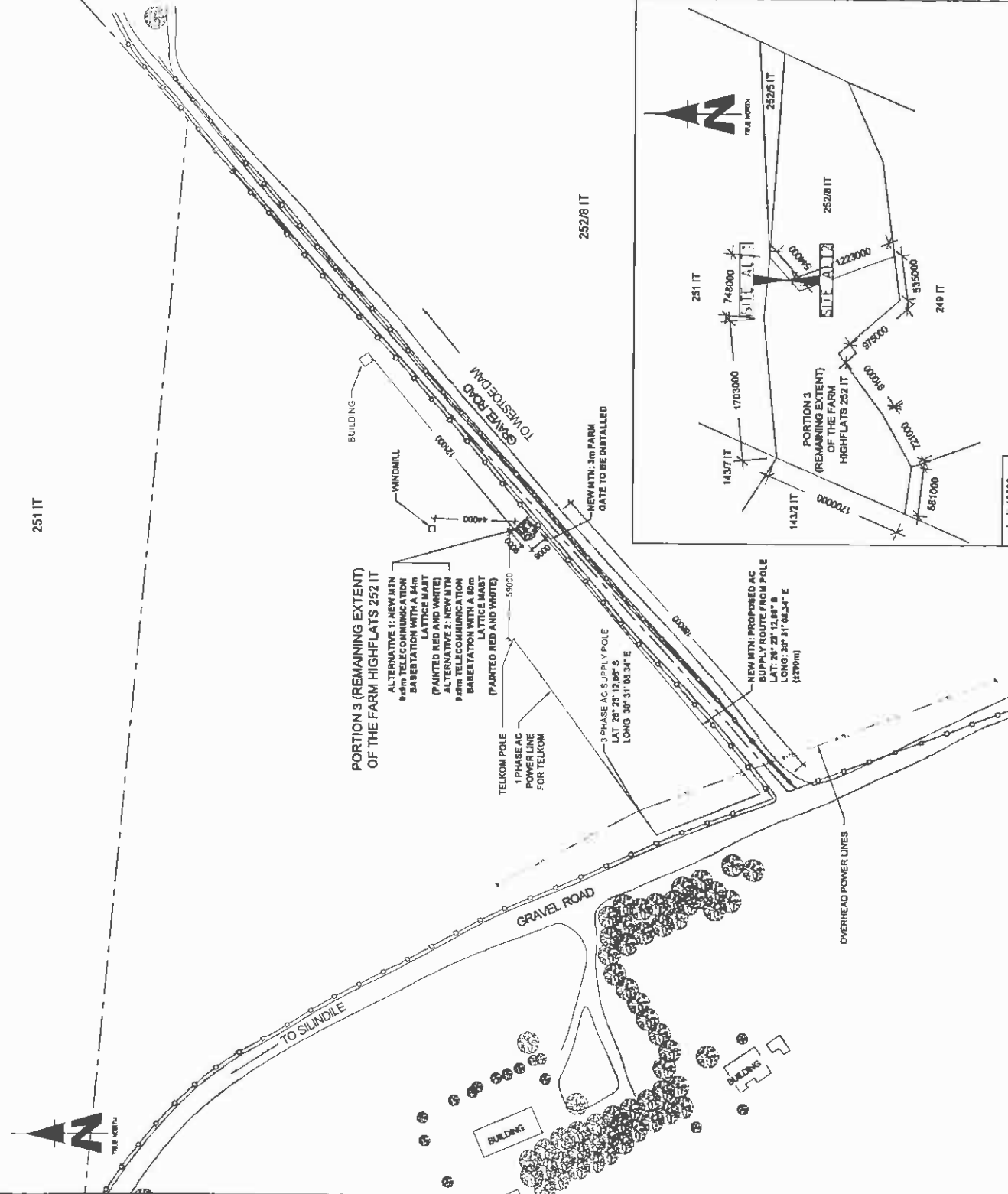
**PROJECT NUMBER**  
 150088  
 120187

**DRAWN**: HANS V.D. WALT  
**DATE**: 18/11/2011  
**SCALE**: 1:2000  
**REF. NO.**: 81218511

**DRAMASIS MUST BE SCALED. ONLY DIMENSIONS TO BE USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT OF WORK. ALL WORK TO BE DONE IN ACCORDANCE WITH THE SITE INFRASTRUCTURE SPECIFICATION AND OTHER INFRASTRUCTURE SPECIFICATION NOVEMBER 2007.**

**SHEET 3 OF 11**  
**SITE DEVELOPMENT PLAN**

251 IT



**PORTION 3 (REMAINING EXTENT) OF THE FARM HIGHFLATS 252 IT**  
 ALTERNATIVE 1: NEW MTH 9.95m TELECOMMUNICATION BASESTATION WITH A 3m FARM GATE WITH MAST (PAINTED RED AND WHITE)  
 ALTERNATIVE 2: NEW MTH 9.95m TELECOMMUNICATION BASESTATION WITH A 3m FARM GATE WITH MAST (PAINTED RED AND WHITE)

**NEW MTH: 3m FARM GATE TO BE INSTALLED**  
**NEW MTH: PROPOSED AC SUPPLY ROUTE FROM POLE**  
 LAT: 28° 28' 11.89" S  
 LONG: 30° 31' 08.34" E  
 (±20mm)

**NEW MTH: PROPOSED AC SUPPLY ROUTE FROM POLE**  
 LAT: 28° 28' 11.89" S  
 LONG: 30° 31' 08.34" E  
 (±20mm)

scale 1:40000



1977 Pretorius Street  
 Suite 18, Midrand  
 Midrand 2009  
 Tel: +27 (0) 11 784 2000  
 Fax: +27 (0) 11 784 2000  
 Email: info@mtn.com

Original Subst. 1:50  
 Printed: 2011/01/11  
 09:30:21

SITE NAME

**HIGHFLATS**  
 BASE STATION NUMBER  
**T9511**

REV	DATE	BY	DESCRIPTION
A	18/1/2011	HY	FIRST ISSUE

**NOTES**

OWNER: VAN DER LINDE OERHARTS PHILIPUS JOHANNES

STRICTLY COMPANY CONFIDENTIAL  
 PROPERTY DESCRIPTION  
 PORTION 3 (REMAINING EXTENT)  
 OF THE FARM HIGHFLATS 2921 Y

COORDINATES  
 LAT 28° 28' 11.86" S  
 LONG 30° 31' 13.74" E

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

ADDRESS  
 OFF THE R33 TOWARDS LOTHAIR  
 MSUKALUWA  
 GERT SIBANDE  
 MPUMALANGA



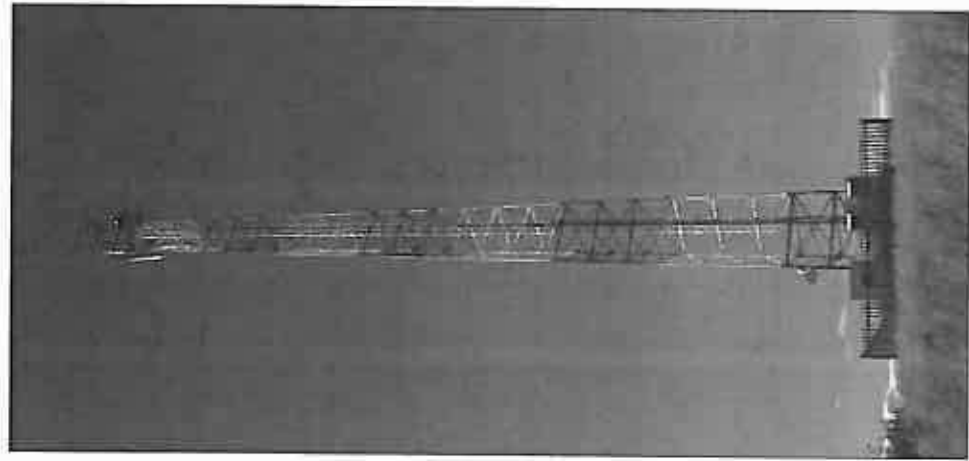
44 Rusk Road  
 Sandton  
 Johannesburg  
 Tel: +27 (0) 800 10048  
 Fax: +27 (0) 800 7972  
 www.ipsafrica.co.za

REG NO:  
 192688  
 PROJECT NUMBER  
 120187

DRAWN: HANS V D WALT DATE: 18/1/2011  
 SCALE: NTS REF. NO: 81278511

DRAWINGS MUST NOT BE SCALED. ONLY DIMENSIONS TO BE  
 USED COMPAS TO BE VERIFIED PRIOR TO COMMENCEMENT  
 OF WORK.  
 ALL WORK TO BE IN ACCORDANCE WITH THE ICS  
 1.4 INFRASTRUCTURE REGULATION AIRPORT  
 1.4.5.1 REVISION 01/01/2010: 1:207

FACILITY ILLUSTRATION  
 SHEET 11 OF 11



TYPICAL 3 LEGGED LATTICE MAST  
 (PAINTED RED AND WHITE)

Our Reference:  
T9511 / 17/2/3 GS - 89

Your Reference:

17 May 2012



**Owner Remaining Extent of Portion 1 of the farm Highflats 252 IT**  
**Owner of Portion 8 of the farm Highflats 252 IT**  
Highflats Boerdery (Pty) Ltd  
P.O Box 210  
**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@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 IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON REMAINING EXTENT PORTION 3 OF THE FARM HIGHFLATS 252 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 Remaining Extent of Portion 3 of the Farm Highflats 252 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

*P.P.*

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

## PUBLIC PARTICIPATION PROCESS

REFERENCE NUMBER: 17/2/3 GS - 89

Regulation 546 activity 3: Establishment of an enclosed telecommunication base station with a 54m mast for MTN (Pty) Ltd: T9511 Highflats

Location: Remaining Extent Portion 3 of the farm Highflats 252 IT

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

Alternative 1: Latitude: 26° 28' 11.69" S Longitude: 30° 31' 13.74" E  
(Latitude type mast painted red and white)

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

Basic assessment procedures will be applied in accordance with regulation 543 and an application 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):**  
Torbiouse Solutions CC.  
P.O. Box 32017, Totiusdal, 0134  
Attention: W A van't Foot  
Telephone: (012) 804 1504/6; Facsimile: (012) 804 7072  
E-mail: admin@torbiousesolutions.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: (date in full)

## UHLELO LOKUHLANGANYELA KOMPHEKATHI

INOMBOLO YEREFERENSI: 17/2/3 GS - 89

Umyalelo womthetho 546 umsebenzi 3: Isakhiwo esiyisizinda sezokuxhumana ngocingo esivalekile se-MTN (Pty) Ltd ene-mast engama-54m kanye nendawo (hezindawo) yokubeka impahla: T9511 Highflats

Indawo: Remaining Extent Portion 3 of the farm Highflats 252 IT

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

Eshlukile 1: Ububanzi: 26° 28' 11.69"S Ubude: 30° 31' 13.74"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 Nomthetho Wokuphatha Ezenhlalo Kuzwelonke (i-National Environmental Management Act) ka-1998 (Umthetho weNombolo-107 ka-1998) njengoba uchibiyelwe (i-"NEMA").

Izinqubo eziyisisekelo zokuhlola zizosetshenziswa ngokuvumelana nemiyalelo yomthetho 543 bese kufakwa isicelo eMnyangweni Wezolimo, Ukunakekela 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 ahole ezinye izindlela zokuqhubeka nomsebenzi ohleliwe.

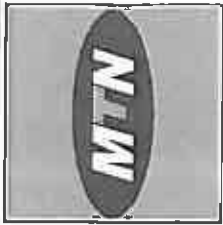
**Umuntu ofaka Isicelo:**  
MTN (Pty) Ltd, P.O. Box 4559, Northcliff, 2115.

**Isisebenzi Esihlola Ezemvelo (Environmental Assessment Practitioner (EAP)):**  
Torbiouse Solutions CC., P.O. Box 32017, Totiusdal, 0134  
kuqondiswe ku- W A van't Foot  
Ucingo: (012) 804 1504/6, ifeksi: (012) 804 7072,  
i-e-meyili: admin@torbiousesolutions.co.za

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

Usuku lokushicilelwa kweSaziso: (date in full)





1700 Pretorius Street  
 Boksburg, Johannesburg  
 1461  
 Tel: +27 (0)11 797 1000  
 Fax: +27 (0)11 797 1001  
 www.mtn.co.za

PROJ: 1700-00000000  
 DATE: 18/11/2011  
 BY: HV  
 DESCRIPTION: HIGHFLATS

BASE STATION NUMBER: T9511

REV	DATE	BY	DESCRIPTION
A	18/11/2011	HV	FIRST ISSUE

NOTES:  
 OWNER: VAN DER LIND (RENRUDUS PHILIPUS SCHAMBER)

STRICTLY COMPANY CONFIDENTIAL  
 PROPERTY DESCRIPTION:  
 POSITION 3 (REMAINING EXTENT)  
 OF THE FARM HIGHFLATS 252 IT

COORDINATES  
 LAT: 28° 26' 11.89" S  
 LONG: 30° 31' 13.74" E

PROJECT:  
 NEW 90m TELECOMMUNICATION BASESTATION  
 WITH A LATTICE MAST FOR MTN (PVT) LTD

ADDRESS:  
 OFF THE R311 TOWARDS LOTHAIR  
 MSHUKALANGWA  
 GERT SIBANDA  
 MFLUMALANGA

INFRASTRUCTURE  
 PLANNING SERVICES  
 I.P.S.

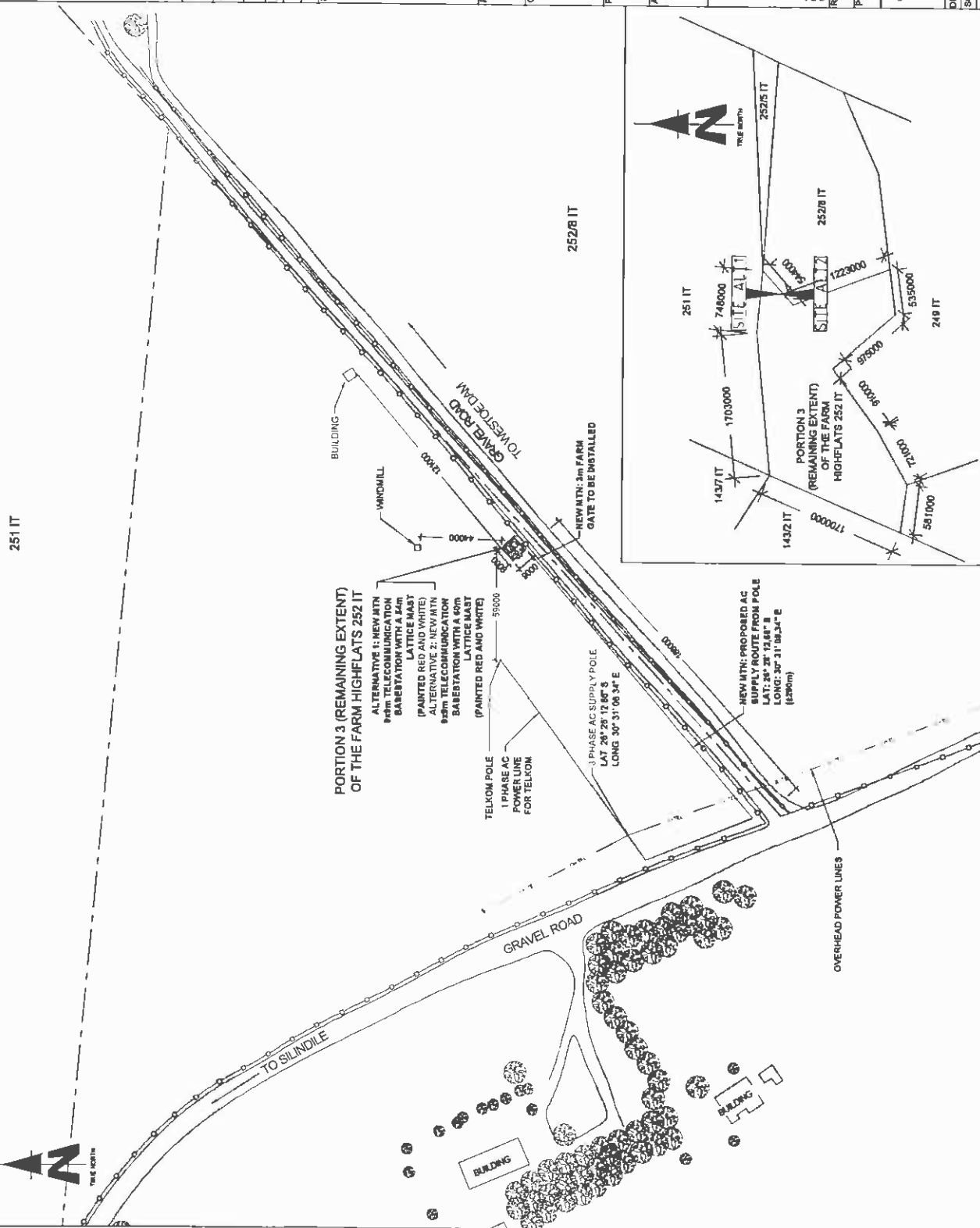
414 Elmwood Road  
 Sandton, Johannesburg  
 2146  
 Tel: +27 (0)11 604 5048  
 Fax: +27 (0)11 604 7072  
 www.infrastructureplanning.co.za

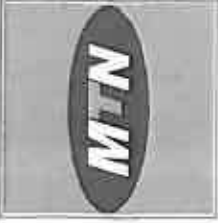
PROJECT NUMBER:  
 120187

DRAWN: HANS V.D. WALT  
 DATE: 18/11/2011

SCALE: 1:2000  
 REF. NO: 81218511

SITE DEVELOPMENT PLAN  
 SHEET 3 OF 11





729 Pomeroy Street  
 Suite 10, Johannesburg  
 South Africa  
 Tel: +27 (11) 432 2000  
 Fax: +27 (11) 432 2000  
 www.mtn.com

**HIGHFLATS**

BASE STATION NUMBER  
**T9511**

REV	DATE	BY	DESCRIPTION
A	18/11/2011	HY	FIRST ISSUE

NOTES  
 OWNER VAN DER LIND GENARDUS PHELIPUS JOHANNES

STRICTLY COMPANY CONFIDENTIAL  
 PROPERTY DESCRIPTION  
 PORTION 3 (REMAINING EXTENT)  
 OF THE FARM HIGHFLATS 232 IT

COORDINATES  
 LAT 28° 26' 11.90" S  
 LONG 30° 31' 13.74" E

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

ADDRESS  
 OFF THE R33 TOWARDS LOTHAIR  
 MSUKALIGWA  
 GERT SIBANDE  
 MPUMALANGA



44 Roubie Road  
 Bryanston  
 2194  
 Tel: +27 (11) 804 15048  
 Fax: +27 (11) 804 7973  
 admin@ipsafrica.co.za

P.O. Box 12017  
 Lenasia  
 7534

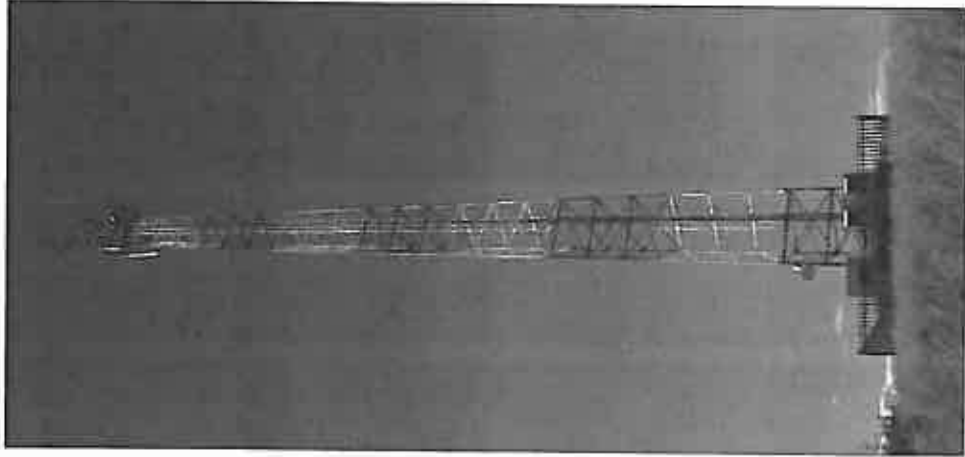
RFD NO  
 152068

PROJECT NUMBER  
 120187

DRAWINGS MUST NOT BE RECALC. ONLY DIMENSIONS TO BE  
 USED. DIMENSIONS TO BE VERIFIED IN SITE BEFORE COMMENCEMENT  
 OF WORK.  
 ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE 2007  
 INFRASTRUCTURE SPECIFICATION (M07/07/07)  
 MADE 18 FEBRUARY 2007

DRAWN: HANS V D WALT DATE: 18/11/2011  
 SCALE: NTS REF NO: 81276511

FACILITY ILLUSTRATION  
 SHEET 11 OF 11



TYPICAL 3 LEGGED LATTICE MAST  
 (PAINTED RED AND WHITE)

Our Reference:  
T9511 / 17/2/3 GS-89

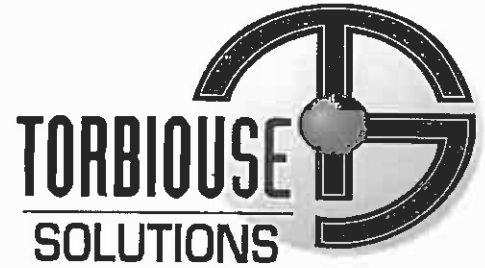
Your Reference:

17 May 2012

The Municipal Manager  
Msukaligwa Local Municipality  
P O Box 48  
Ermelo  
2350

Attention: Mr T Dlamini  
Environmental Management Section

Facsimile: 017 – 801 3851  
E-mail:



Reg. No. 2001/080535/23

PO Box 32017, Totlusdal, 0134

414 Rustic Road  
Silvertondale, 0184  
Pretoria

Tel: (012) 804 1504/ 6

Fax: (012) 804 7072

e-mail: admin@torblousesolutions.co.za

Dear Sir / Madam,

**INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (A) & (B) : II (EE) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON REMAINING EXTENT OF PORTION 3 OF THE FARM HIGHFLATS 252 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,

A handwritten signature in black ink, appearing to read "WA Van't Foort".

**WA VAN'T FOORT**

For: Torbious Solutions cc

**Comments:**

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Destination	Start Time	Time	Prints	Result	Note
0178013851	05-17 12:12	00:03:46	012/012	OK	

Note TMR: Timer TX, POL: Polling, ORG: Original Size Setting, FME: Frame Erase TX,  
 MIX: Mixed Original TX, CALL: Manual TX, CSACT: CSAC, 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,  
 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:  
 T9611 / 17/2/3 GS-89

Your Reference:

17 May 2012

The Municipal Manager  
 Msukaligwa Local Municipality  
 P O Box 48  
 Ermelo  
 2350

Attention: Mr T Dlamini  
 Environmental Management Section

Facsimile: 017 – 801 3851  
 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@torbiouseolutions.co.za

Dear Sir / Madam,

**INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (A) & (B) : II (EE) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON REMAINING EXTENT OF PORTION 3 OF THE FARM HIGHFLATS 252 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:

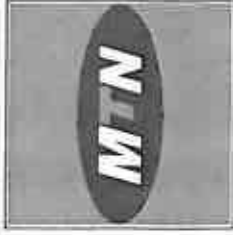
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1787 Producers Street  
 Block 8, Hamletville Campus  
 Hamletville, 0851  
 TOLL FREE 111 842 2006  
 FAX 437 112 341 9004  
 Website: www.mtn.co.za

**SITE NAME**  
**HIGHFLATS**

**BASE STATION NUMBER**  
 T9511

REV	DATE	BY	DESCRIPTION
A	18/11/2011	HV	FIRST ISSUE

**NOTES**  
 OWNER: VAN DER LINDZ GERVAARDUS PHILIPUS JONHANS

STRICTLY COMPANY CONFIDENTIAL  
 PROPERTY DESCRIPTION  
 PORTION 3 (REMAINING EXTENT)  
 OF THE FARM HIGHFLATS 252 IT

COORDINATES  
 LAT 29° 25' 11.89" S  
 LONG 30° 31' 13.74" E

PROJECT  
 NEW 900M TELECOMMUNICATION BASE STATION  
 WITH A LATTICE MAST FOR MIP(TT) LTD

ADDRESS  
 OFF THE R33 TOWARDS LOTHAIR  
 NSUKALALEWA  
 CERT BRIBANDE  
 MFLUNALANGA



INFRASTRUCTURE  
 PLANNING SERVICES

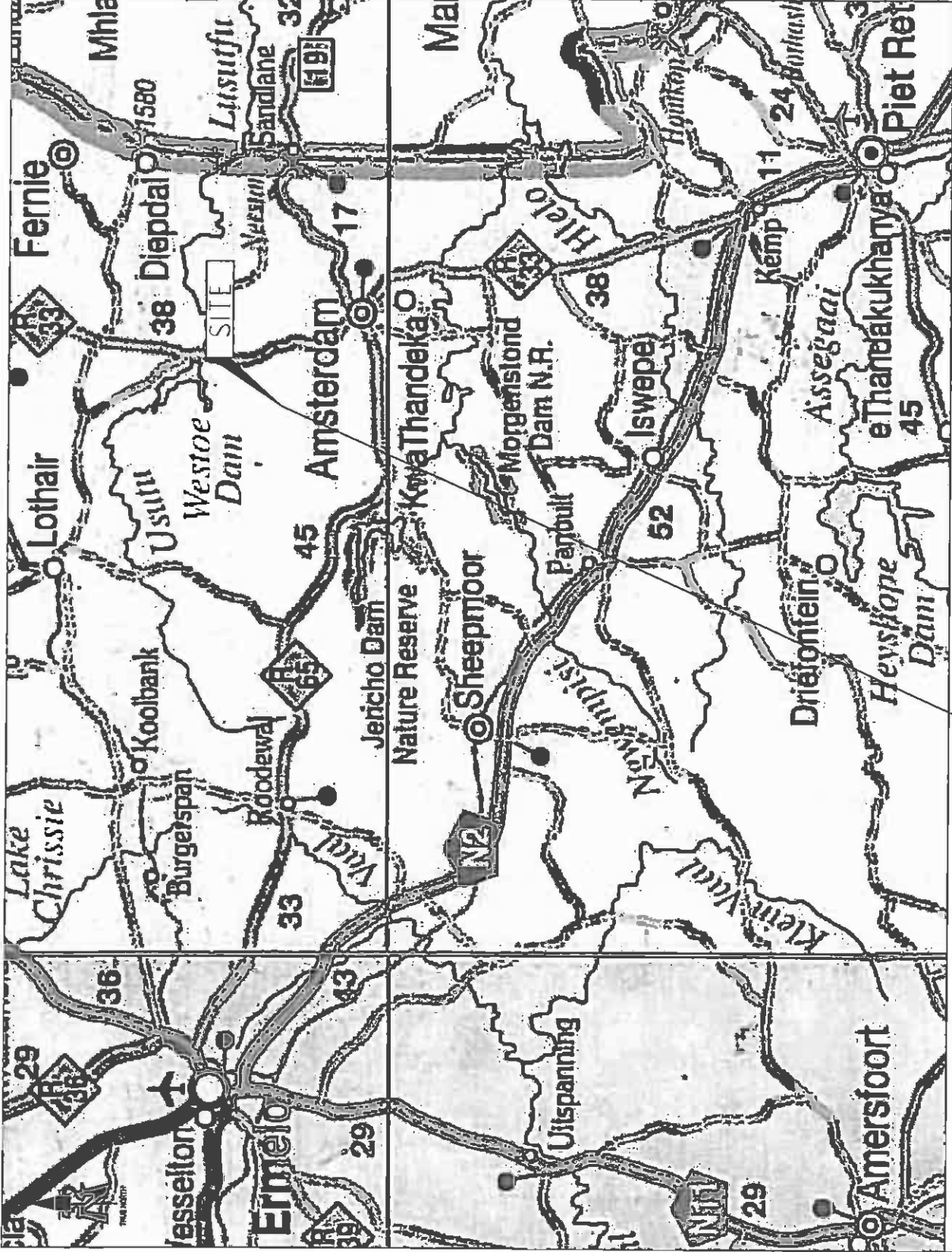
PROJECT NUMBER  
 120167

414 Puma Road  
 152006  
 T: +27 (0) 84 194 048  
 F: +27 (0) 84 194 078  
 www.ipsafrica.com

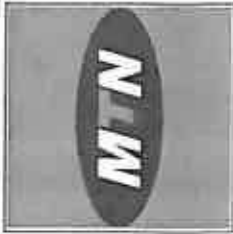
DRAWN: HANS V D WALT  
 SCALE: NTS

DATE: 18/11/2011  
 REF NO: 81278511

LOCALITY MAP  
 SHEET 1 OF 11



T9511  
 HIGHFLATS



1287 Prosperitas Street  
 Block 8, Highlands Complex  
 Nairobi, Kenya  
 Tel: +254 (0) 20 343 3900  
 Fax: +254 (0) 20 343 5000  
 Private Bag 215  
 Nairobi Post

**HIGHFLATS**

BASE STATION NUMBER  
**T9511**

REV	DATE	BY	DESCRIPTION
A	18/11/2011	HV	FIRST ISSUE

NOTES  
 OWNER VAN DER LINDSE BERNHARDUS PHILLIPUS JOHANNES

STRICTLY COMPANY CONFIDENTIAL  
 PROPERTY DESCRIPTION  
 PORTION 3 (REMAINING EXTENT)  
 OF THE FARM HIGHFLATS 252 IT

COORDINATES  
 LAT 2° 28' 11.68" S  
 LONG 36° 31' 13.74" E

PROJECT  
 NEW 300M TELECOMMUNICATION BASE STATION  
 WITH A LATTICE MAST FOR MTN (PTY) LTD

ADDRESS  
 OFF THE R33 TOWARDS LOITHAR  
 ASUKALONGWA  
 GERT SIBANDE  
 MPUTUMALANGA



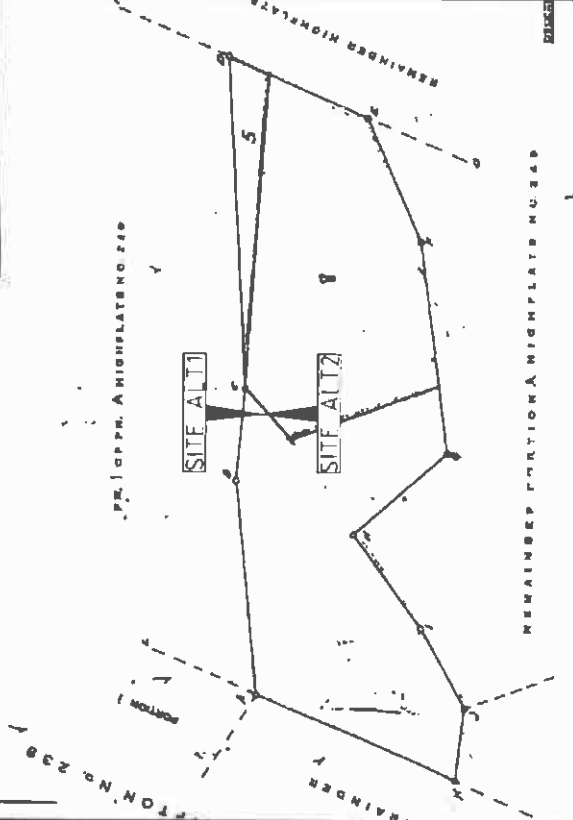
414 Route Nine  
 150004  
 Tel: +27 (0) 21 554 5048  
 Fax: +27 (0) 21 554 5078  
 info@ipsafrica.com

PROJECT NUMBER  
 120187

DRAWN: HANS V D WALT  
 DATE: 18/11/2011  
 REF: NO 81278911

CADASTRAL INFO  
 SHEET 2 OF 11

AREA	AREA OF DISTRICT
AD	42006.84
BE	20383.01
CE	21866.21
DE	13983.81
FE	20027.81
GE	47287.3
HE	28861.4
IE	27912.2
JE	20222.5
KE	14874.1
LE	14874.1
ME	14874.1
NE	14874.1
OE	14874.1



A.B.C.D.E.F.G.  
 H.I.J.K.L.M.N.  
 O.P.Q.R.S.T.U.V.  
 W.X.Y.Z

Scale: 1:10000  
 1" = 100m

658 Meters  
 62,200 Square Feet of land used

PORTION 2 OF PORTION A

HIGHFLATS No. 243

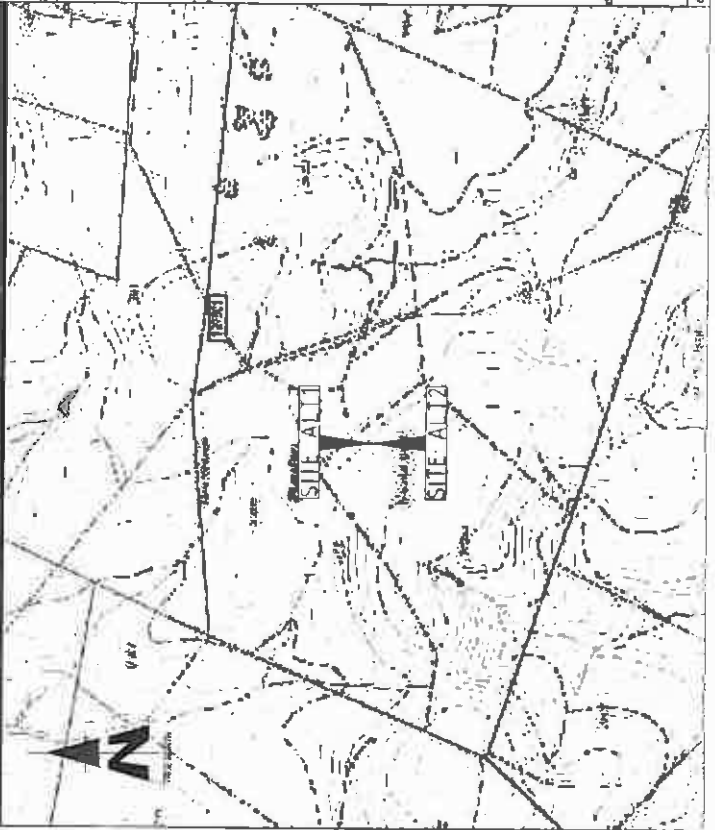
Surveyed by: JAN. - FEB. 1988 by me

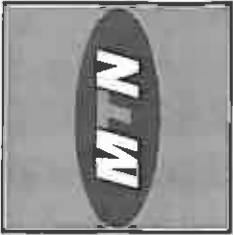
as in the DISTRICT of ERNELO

The original diagram is in a 2007/9

Register is returned in good

Ref: No. 81278911





1937 Pheasant Street  
Midrand 1683  
Private Bag 213  
Midrand Park

Tel: +27 (0)2 642 2000  
Fax: +27 (0)2 642 8208

1937 Pheasant Street  
Midrand 1683  
Private Bag 213  
Midrand Park

1937 Pheasant Street  
Midrand 1683  
Private Bag 213  
Midrand Park

SITE NAME		<b>HIGHFLATS</b>	
BASE STATION NUMBER		<b>T9511</b>	
REV	DATE	BY	DESCRIPTION
A	16/11/2011	HV	FIRST ISSUE

NOTES  
OWNER: VAN DER LINDE, DERNAARDUS PHILIPUS JOHANNES

STRICTLY COMPANY CONFIDENTIAL  
PROPERTY DESCRIPTION:  
PORTION 3 (REMAINING EXTENT)  
OF THE FARM HIGHFLATS 252 IT

COORDINATES  
LAT: 28° 28' 11.88" S  
LONG: 30° 31' 13.14" E

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

ADDRESS  
OFF THE R33 TOWARDS LOTHAR  
MSUKALIGWA  
GERT SIBANDA  
NIPUMALANGA



**INFRASTRUCTURE  
PLANNING SERVICES**

44 Hume Road  
Rivonia 2110  
0183  
infrastructure@ips.co.za

Tel: +27 (0) 21 5049  
Fax: +27 (0) 21 5051  
0134

RFO NO  
157008

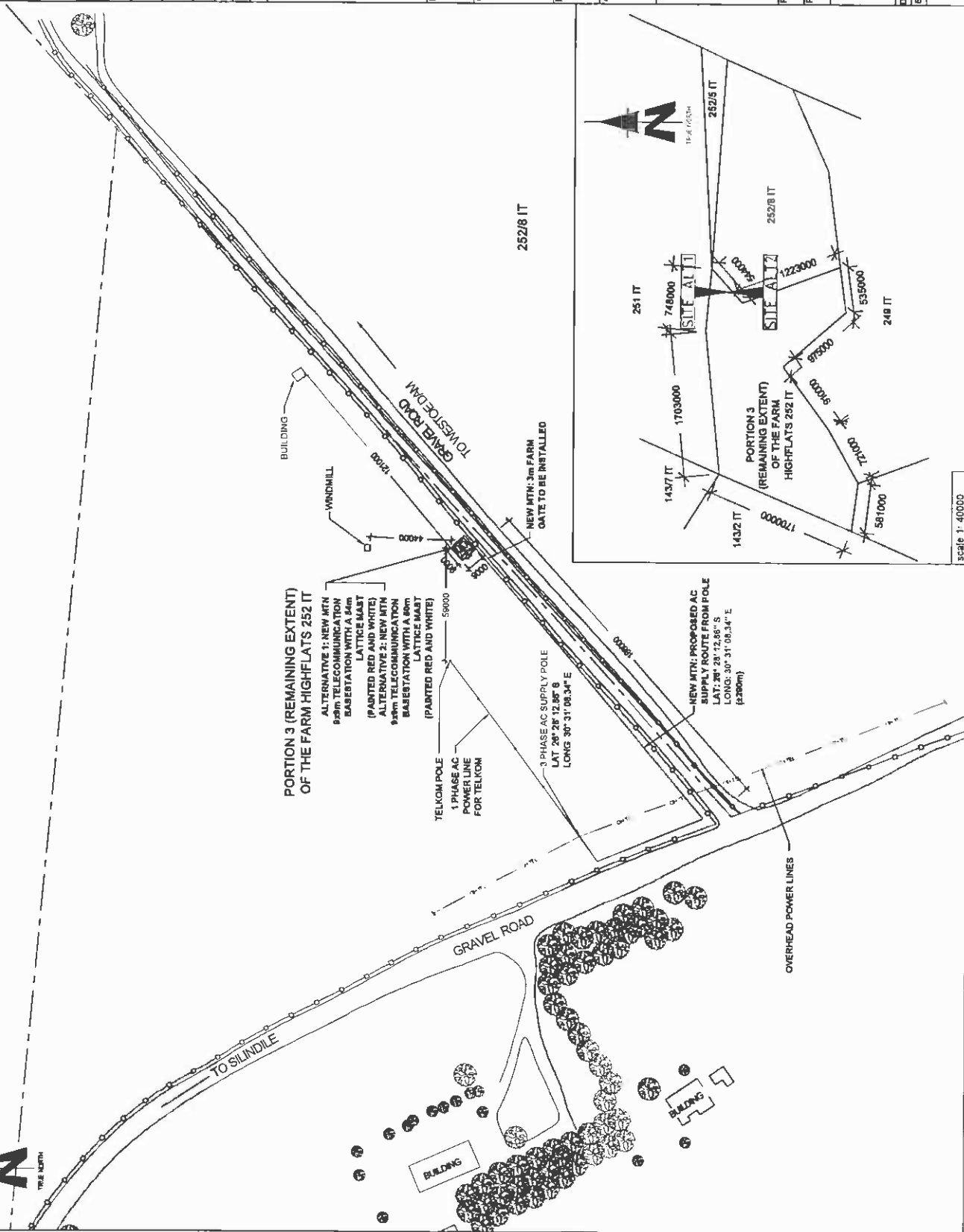
PROJECT NUMBER  
120161

DRAWINGS MUST NOT BE CALLED, ONLY PROVIDED DIMENSIONS TO BE  
USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT  
OF WORK.  
ALL WORK TO BE PERFORMED ACCORDING TO MTN 900M SITE  
INFRASTRUCTURE SPECIFICATION 1601/020  
INFRASTRUCTURE SPECIFICATION NOVEMBER 2007

DRAWN: HANS V.D. WALT  
SCALE: 1:2000  
DATE: 16/11/2011  
REF NO: 81278511

**SITE DEVELOPMENT PLAN**  
**SHEET 3 OF 11**

251 IT



PORTION 3 (REMAINING EXTENT)  
OF THE FARM HIGHFLATS 252 IT

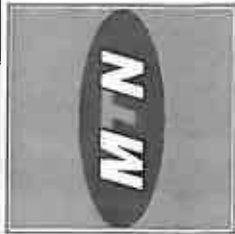
ALTERNATIVE 1: NEW MTN  
900M TELECOMMUNICATION  
BASESTATION WITH A 9m  
LATTICE MAST  
(PAINTED RED AND WHITE)  
ALTERNATIVE 2: NEW MTN  
900M TELECOMMUNICATION  
BASESTATION WITH A 9m  
LATTICE MAST  
(PAINTED RED AND WHITE)

TELKOM POLE  
1 PHASE AC  
POWER LINE  
FOR TELKOM

3 PHASE AC SUPPLY POLE  
LAT: 28° 28' 12.85" S  
LONG: 30° 31' 08.34" E

NEW MTN: PROPOSED AC  
SUPPLY ROUTE FROM POLE  
LAT: 28° 28' 12.85" S  
LONG: 30° 31' 08.34" E  
(farm)

scale 1:40000



1287 Peninsula Blvd  
Blair E. Hamlynville Campus  
Harare, 0021  
Tel: +27 (15) 362 2000  
Fax: +27 (15) 362 2008  
Peninsula 24h  
Phone: 081 715  
Meyburg Post

SITE NAME

**HIGHFLATS**

BASE STATION NUMBER  
T9511

REV	DATE	BY	DESCRIPTION
A	16/11/2011	HV	FIRST ISSUE

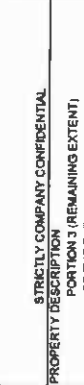
NOTES  
OWNER: VAN DER LIND GERRARDUS PHILIPUS JOHANNES

STRICTLY COMPANY CONFIDENTIAL  
PROPERTY DESCRIPTION  
PORTION 3 (REMAINING EXTENT)  
OF THE FARM HIGHFLATS 252 IT

COORDINATES  
LAT: 28° 28' 11.89" S  
LONG: 30° 31' 13.74" E

PROJECT  
NEW 90m TELECOMMUNICATION BASESTATION  
WITH A LATTICE MAST FOR MTN (PT) LTD

ADDRESS  
OFF THE R33 TOWARDS LOIHAIR  
MSUKALENGA  
GERT SIBANGE  
MPLURALANGA



414 Rame Road  
P.O. Box 32017  
Harare  
Tel: +27 (15) 841 1844  
Fax: +27 (15) 841 1872  
www.ipinfrastructures.com

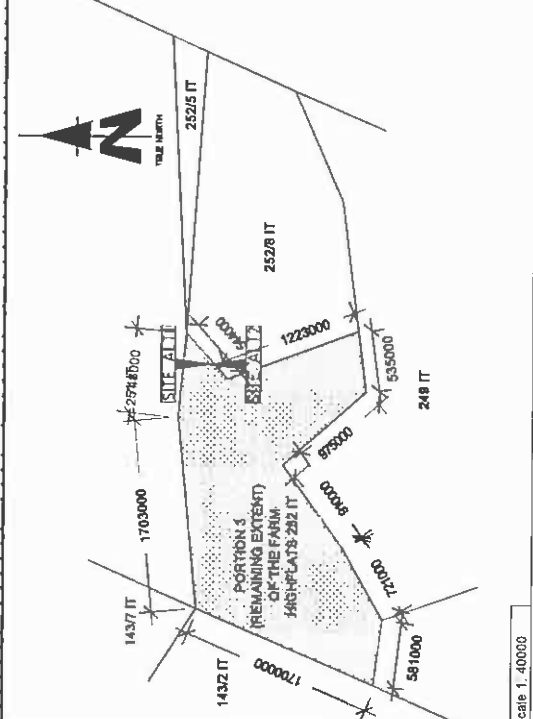
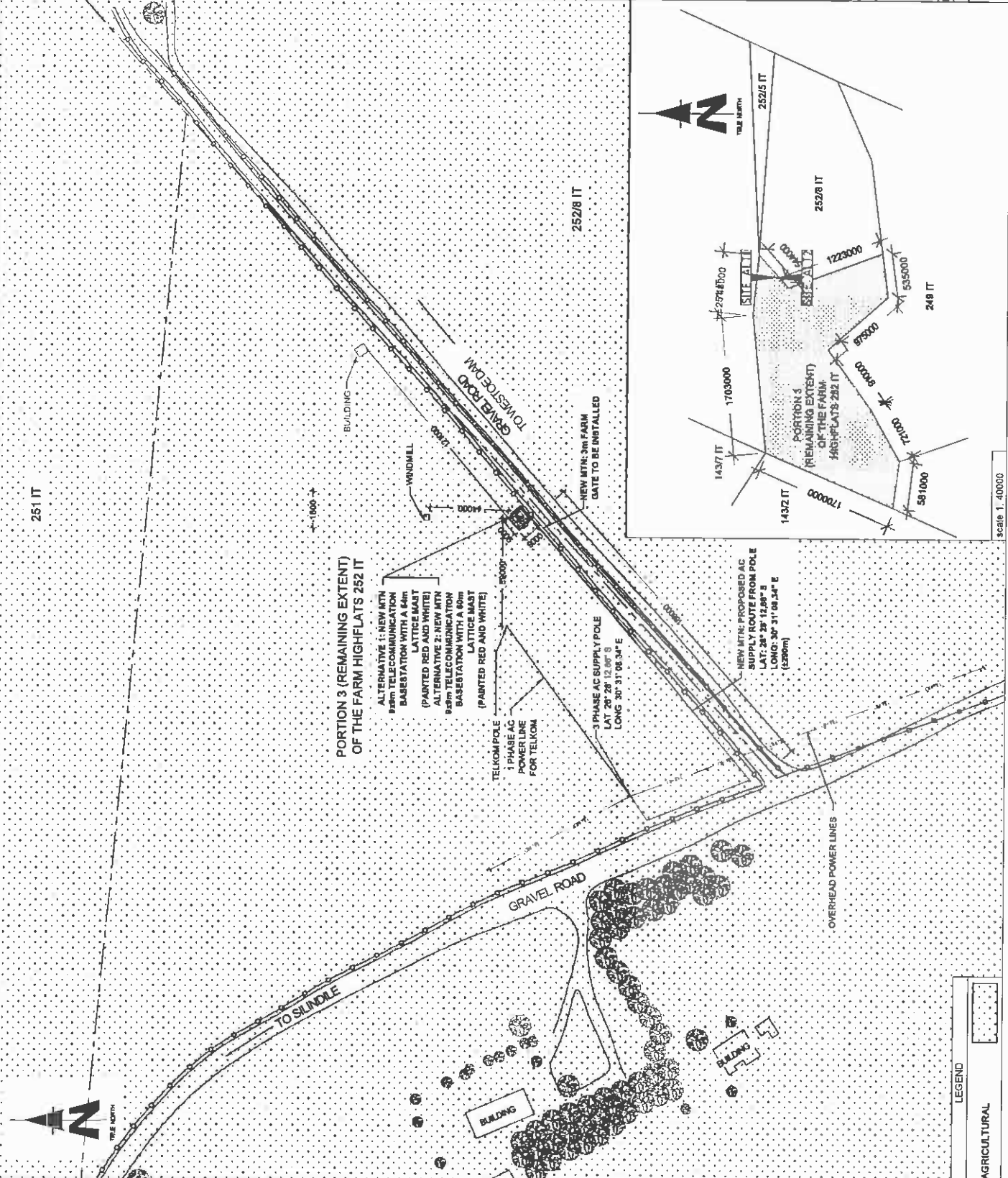
REG NO  
152005

PROJECT NUMBER  
120017

DATE: 16/11/2011  
REF NO: 81278511

DRAWN: HANS V D WALT  
SCALE: 1:2000

SITE DEVELOPMENT PLAN  
SHEET 4 OF 11

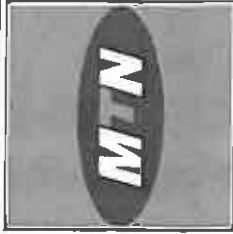


LEGEND

	AGRICULTURAL
--	--------------

Scale 1:40000





1367 Peninsula Street  
 Block 8, Hillside, Cape Town  
 Phone: +27 (0) 21 534 2000  
 Fax: +27 (0) 21 534 2008  
 Registered Office: 146  
 Protea Way 115  
 Maitland, 7835

SITE NAME

**HIGHFLATS**

BASE STATION NUMBER  
**T9511**

REV	DATE	BY	DESCRIPTION
A	18/11/2011	HV	FIRST ISSUE

NOTES  
 OWNER VAN DER LINDE GERHARDUS PHILIPUS JOHANNES

STRICTLY COMPANY CONFIDENTIAL  
 PROPERTY DESCRIPTION  
 PORTION 3 (REMAINING EXTENT)  
 OF THE FARM HIGHFLATS 252 IT

COORDINATES  
 LAT: 28° 28' 11.89" S  
 LONG: 30° 31' 13.74" E

PROJECT  
 NEW 900MHz TELECOMMUNICATION BASE STATION  
 WITH A LATTICE MAST FOR MTN (PTV) LTD

ADDRESS  
 OFF THE R33 TOWARDS LOTHAR  
 NSUKALIGWA  
 GERT SIBANDE  
 MPTIMALANGA

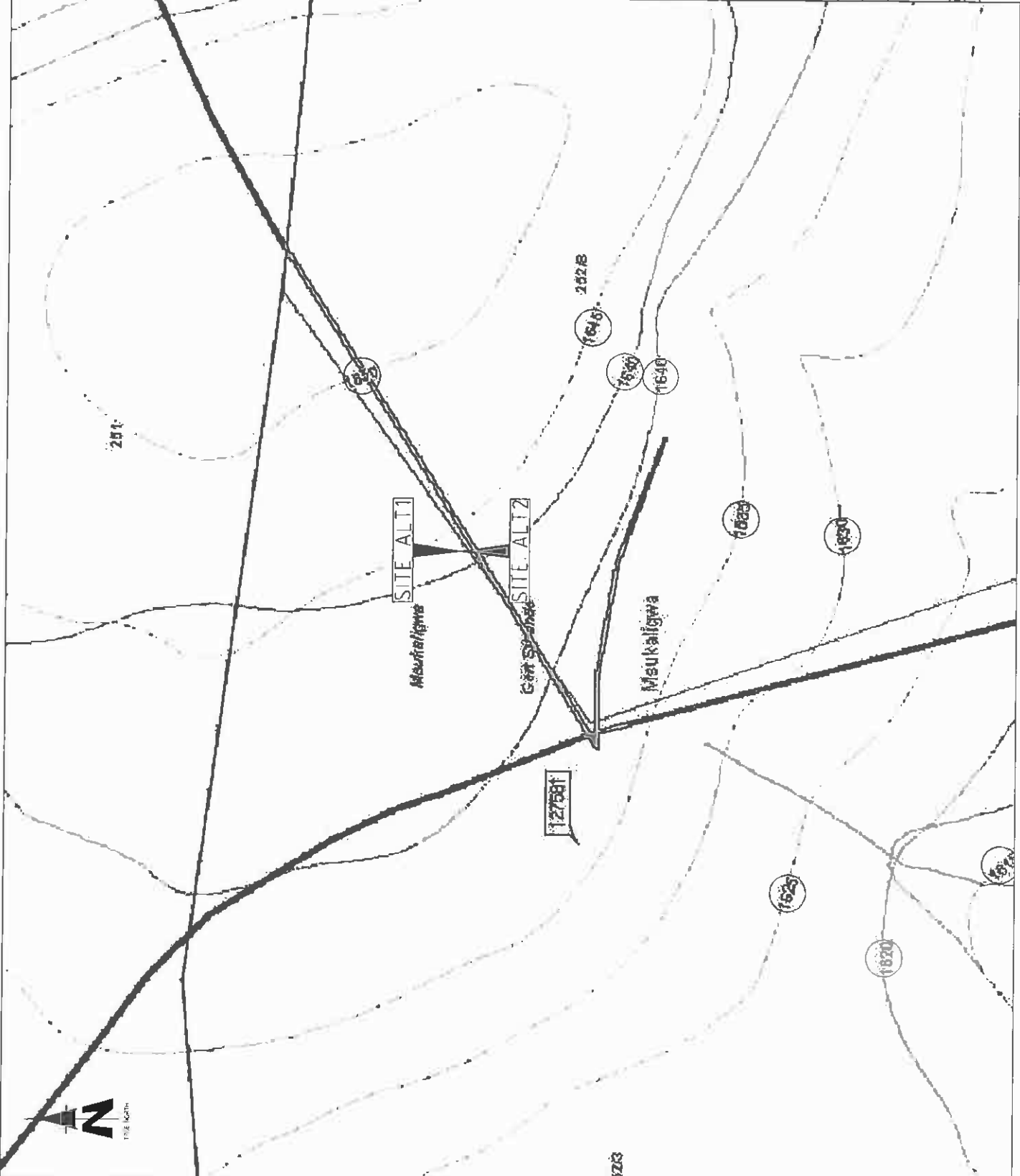


414 Pines Road  
 17th Floor  
 1701  
 Cape Town  
 Phone: +27 (0) 21 464 1804  
 Fax: +27 (0) 21 464 1872  
 Email: info@ipsafrica.com

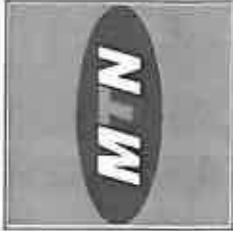
REG NO  
 152008  
 PROJECT NUMBER  
 120187

DRAWN: HANS V.D. WALT  
 SCALE: NTS  
 DATE: 18/11/2011  
 REF. NO: 81278511

CONTOUR INTERVAL  
 SHEET 5 OF 11







1207 Pretorius Street  
 Block 3, Nuvulahe Complex  
 Pretoria 0001  
 Tel: +27 (0) 11 361 5901  
 Fax: +27 (0) 11 361 5904  
 Email: info@mts.co.za

Project Title: 148  
 Project No: 1151  
 Issue No: 01

SITE NAME

BASE STATION NUMBER

19511

REV	DATE	BY	DESCRIPTION
A	18/11/2011	HV	FIRST ISSUE

NOTES

OWNER: VAN DER LINDE GERHARDUS PHILLIPUS JOHANNES

STRICTLY COMPANY CONFIDENTIAL  
 PORTION 3 (REMAINING EXTENT)  
 OF THE FARM HIGHFLATS 252 IT

COORDINATES  
 LAT: 28° 28' 11.09" S  
 LONG: 30° 31' 13.74" E

PROJECT  
 NEW FARM TELECOMMUNICATION BASE STATION  
 WITH A LATTICE MAST FOR MTN (PT) LTD

ADDRESS  
 OFF THE R33 TOWARDS LOTHAR  
 MUKALONGWA  
 GERTSIBANDE  
 MPUMALANGA



414 Roodie Road  
 Johannesburg  
 2014  
 Tel: +27 (0) 11 684 1904/6  
 Fax: +27 (0) 11 684 1912  
 Email: info@ips.co.za

REG NO  
 1450048

PROJECT NUMBER

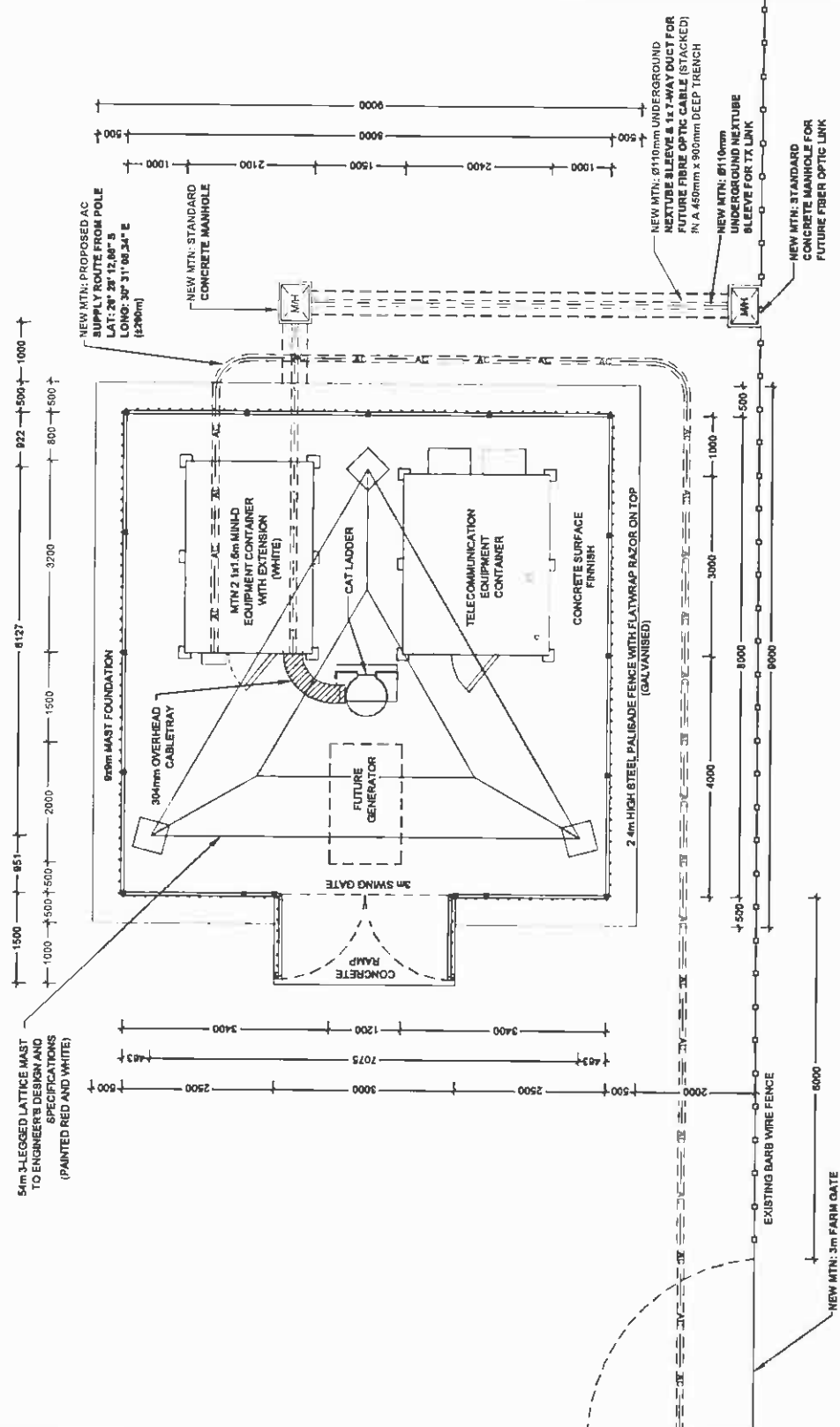
125107

DRAWING MUST NOT BE SCALED. ONLY DIMENSIONS TO BE  
 USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT  
 OF WORK.  
 ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE IPN 015 SITE  
 INFRASTRUCTURE SPECIFICATION (PART 1001)  
 ISSUE 1 (REVISION 6 NOVEMBER 2007)

DRAWN: HANS V.D. WALT  
 DATE: 18/11/2011  
 SCALE: 1:75  
 REF NO: 81278911

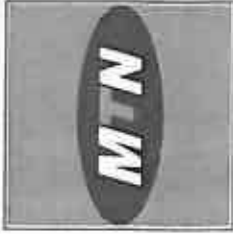
SITE DETAIL: ALTERNATIVE 1  
 SHEET 7 OF 11

PORTION 3 (REMAINING EXTENT)  
 OF THE FARM HIGHFLATS 252 IT



GRAVEL ROAD





1407 Pretoria Street  
 Block 8, Houtbosheer Complex  
 Pretoria 0083  
 Tel: 011 234 3888  
 Fax: 011 234 3000  
 Website: www.mtn.co.za

**SITE NAME**  
**HIGHFLATS**

**BASE STATION NUMBER**  
**T9511**

REV	DATE	BY	DESCRIPTION
A	18/11/2011	HV	FIRST ISSUE

**NOTES**  
 OWNER: VANDER LINDSE GERVAAS PHILLIPS JOHANNES

**PROPERTY DESCRIPTION**  
 STRICTLY COMPANY CONFIDENTIAL  
 PORTION 3 (REMAINING EXTENT)  
 OF THE FARM HIGHFLATS 252 IT

**COORDINATES**  
 LAT: 28° 28' 11.89" S  
 LONG: 30° 31' 13.74" E

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

**ADDRESS**  
 OFF THE R33 TOWARDS LOTHAR  
 MASUALUJWA  
 GERT SIBANDE  
 MPUMALANGA



414 Peka Road  
 Johannesburg  
 014  
 Tel: +27 (0) 11 254 1248  
 Fax: +27 (0) 11 254 1242  
 Email: info@ipsi.co.za

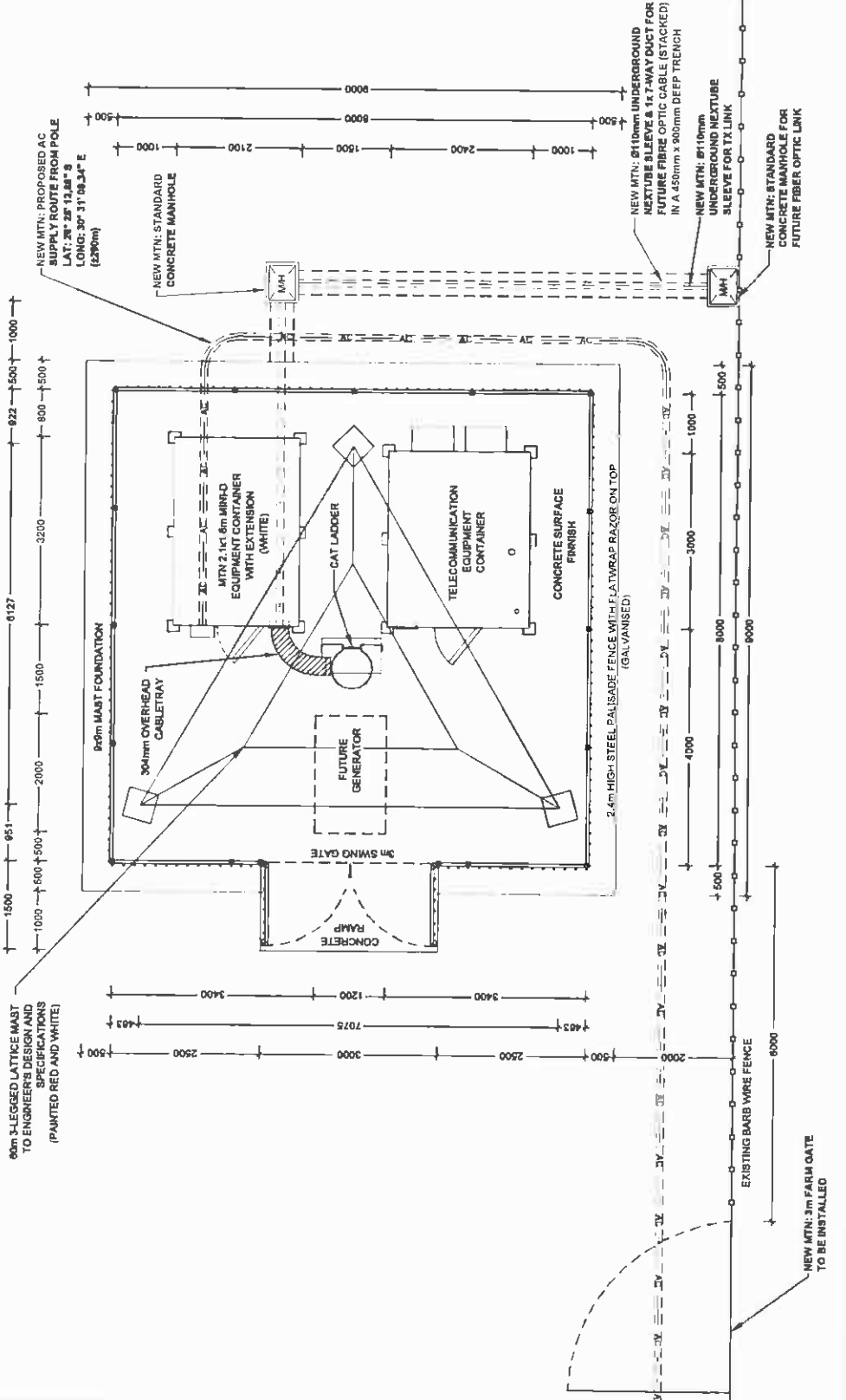
**REG NO**  
 1127068

**PROJECT NUMBER**  
 720167

DRAWN: HANS V D WALT  
 SCALE: 1:75  
 DATE: 18/11/2011  
 REF NO: 81278911

**SITE DETAIL: ALTERNATIVE 2**  
**SHEET 8 OF 11**

**PORTION 3 (REMAINING EXTENT)  
 OF THE FARM HIGHFLATS 252 IT**



GRAVEL ROAD



NEW MTN: 3m FARM GATE TO BE INSTALLED

EXISTING BARB WIRE FENCE

NEW MTN: STANDARD CONCRETE MANHOLE FOR FUTURE FIBER OPTIC LINK

NEW MTN: 87110mm UNDERGROUND NEXTUBE SLEEVE & 1x7-WAY DUCT FOR FUTURE FIBRE OPTIC CABLE (STACKED) IN A 450mm x 900mm DEEP TRENCH

NEW MTN: STANDARD CONCRETE MANHOLE

NEW MTN: PROPOSED AC SUPPLY ROUTE FROM POLE

TELECOMMUNICATION EQUIPMENT CONTAINER

CONCRETE SURFACE FINISH

CONCRETE RAMP

3m SWING GATE

FUTURE GENERATOR

CAT LADDER

MTN 2.1x1.6m MINNO EQUIPMENT CONTAINER WITH EXTENSION (WHITE)

2.4m HIGH STEEL PALISADE FENCE WITH FLAT TOP RAZOR ON TOP (GALVANISED)

300mm OVERHEAD CABLETRAY

90m MAST FOUNDATION

NEW MTN: STANDARD CONCRETE MANHOLE

NEW MTN: PROPOSED AC SUPPLY ROUTE FROM POLE

NEW MTN: 87110mm UNDERGROUND NEXTUBE SLEEVE & 1x7-WAY DUCT FOR FUTURE FIBRE OPTIC CABLE (STACKED) IN A 450mm x 900mm DEEP TRENCH

NEW MTN: STANDARD CONCRETE MANHOLE FOR FUTURE FIBER OPTIC LINK

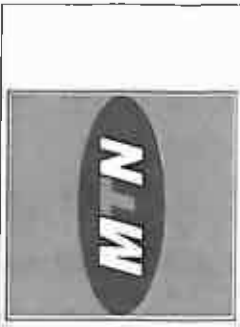
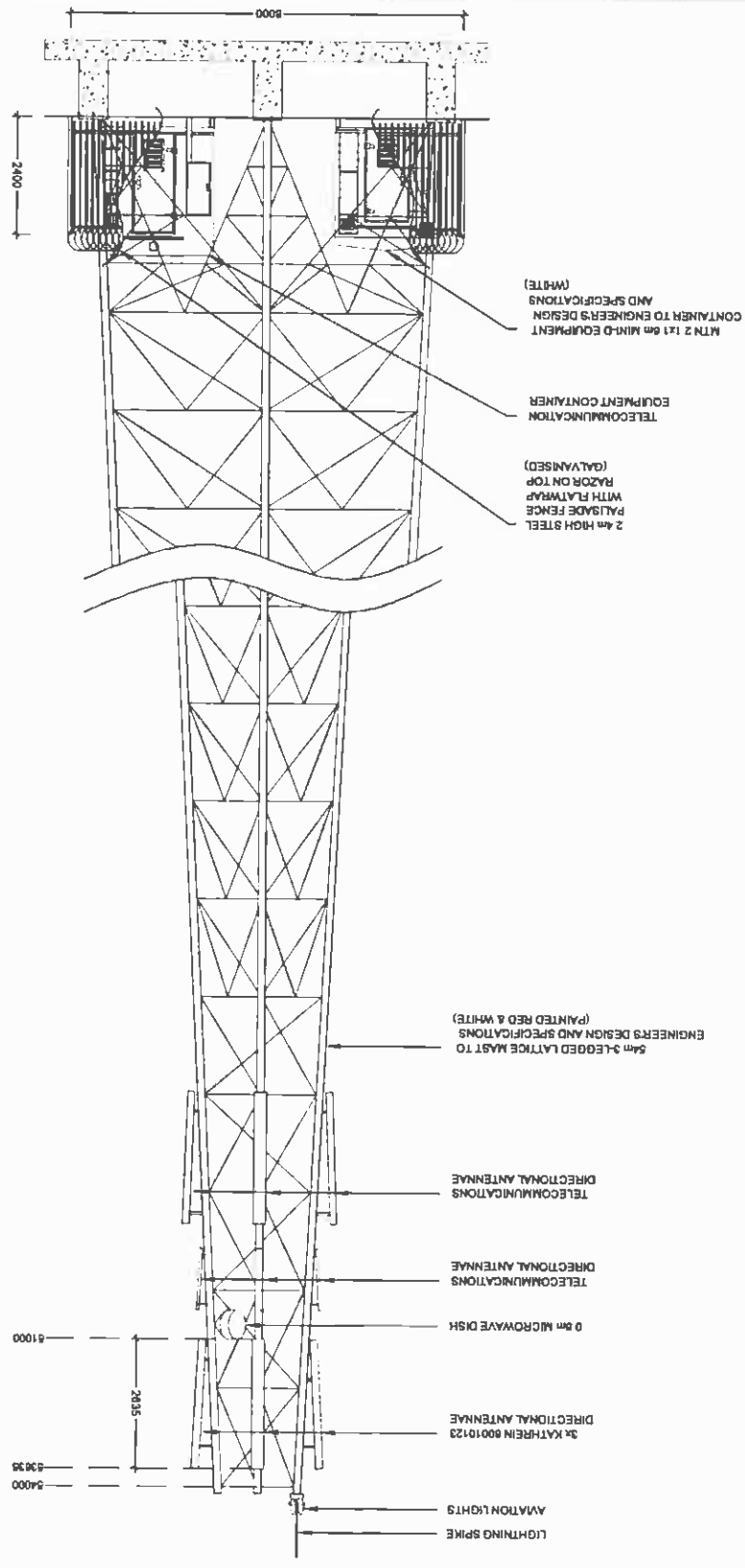
NEW MTN: 3m FARM GATE TO BE INSTALLED

EXISTING BARB WIRE FENCE

GRAVEL ROAD

**MTN ANTENNAE KEY**

SECTOR	AZIMUTH	ANTENNA	HEIGHT - BOTTOM (m)	MECH TILT	ELEC TILT	FEEDER SIZE	FEEDER LENGTH (m)
1	0°	K-80010123	51			7/8"	± 56
2	120°	K-80010123	51			7/8"	± 56
3	240°	K-80010123	51			7/8"	± 56



1267 Pheasant Bluff  
 Block B, Hillside  
 Hillside, Durban  
 4013 003  
 Tel: 031 261 2000  
 Fax: 031 261 2000  
 Pheasant Bluff 148  
 Private Bag 2115  
 Hillside Park

**SITE NAME**  
HIGHFLATS

**BASE STATION NUMBER**  
T9511

REV	DATE	BY	DESCRIPTION
A	16/11/2011	HV	FIRST ISSUE

**NOTES**  
OWNER: VAN DER LANGE GERHARDUS PHILIPPUS JOHANNES

STRICTLY COMPANY CONFIDENTIAL  
 PROPERTY DESCRIPTION  
 PORTION 3 (REMAINING EXTENT)  
 OF THE FARM HIGHFLATS 252 IT

**COORDINATES**  
 LAT: 26° 28' 11.89" S  
 LONG: 30° 31' 13.74" E

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

**ADDRESS**  
 OFF THE R33 TOWARDS LOTHAIR  
 MSUKALONGA  
 GERT SIBANDE  
 MFUMALANGA



414 Ruyter Road  
 Hillside  
 Durban  
 4013  
 P.O. Box 32077  
 Hillside  
 4013  
 Tel: 031 271 00 18049  
 Fax: 031 271 00 18072  
 Email: info@ipsafrica.co.za

**PROJECT NUMBER**  
120107

**SCALE** 1:100

**DATE** 16/11/2011

**REF NO** 81279511

**DRAWN** HANS V D WALT

**PROJECT NUMBER**  
120107

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

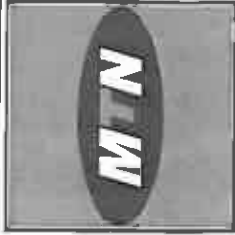
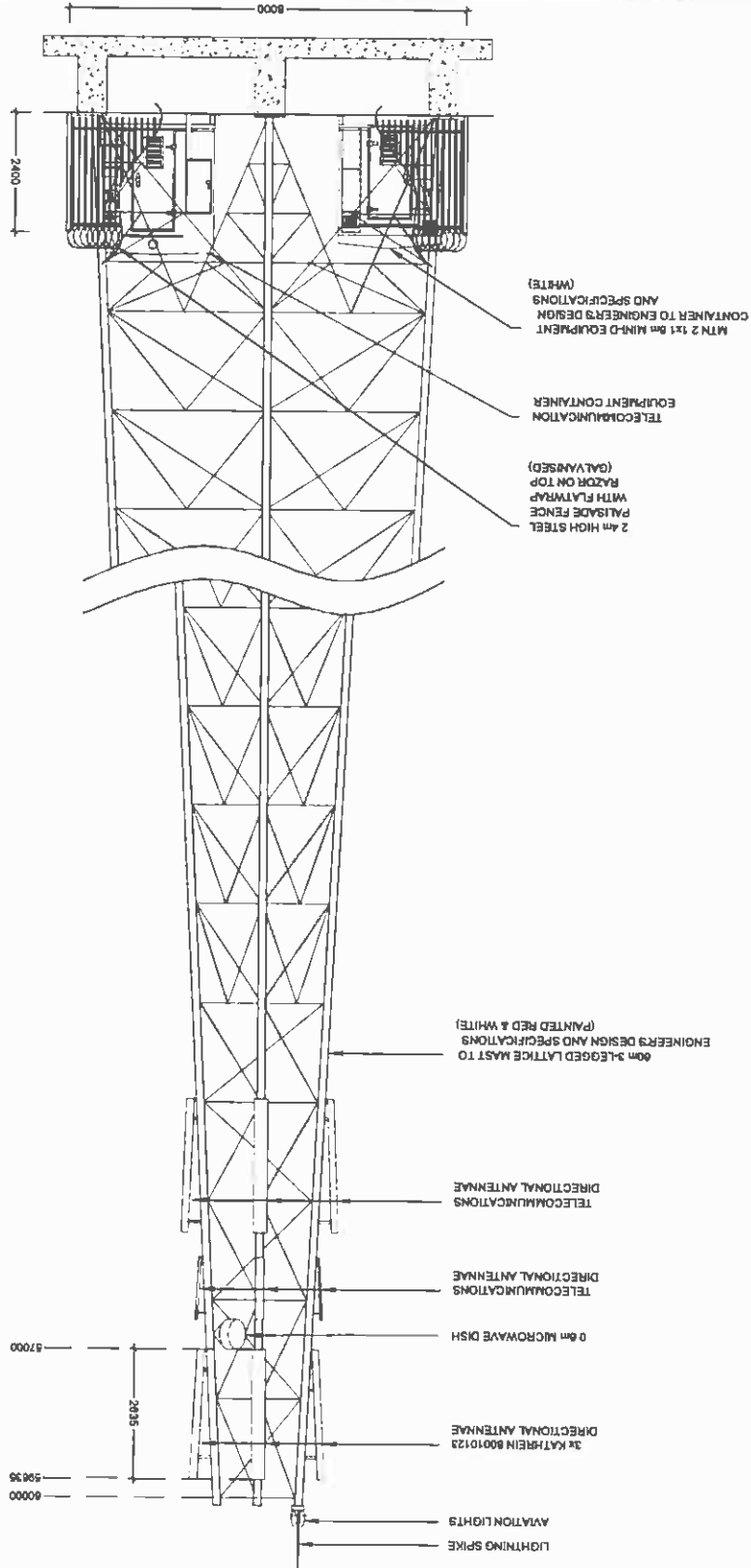
ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE SITE INFRASTRUCTURE SPECIFICATION DOCUMENT.

ISSUE 1: REVISION 0 NOVEMBER 2007

**SOUTH ELEVATION: ALTERNATIVE 1**  
**SHEET 9 OF 11**

**MTN ANTENNAE KEY**

SECTOR	AZIMUTH	ANTENNA	HEIGHT - BOTTOM (m)	MCH TILT	ELEC TILT	FEEDER SIZE	FEEDER LENGTH (m)
1	0°	K 80010123	57			7/8"	± 0.2
2	120°	K 80010123	57			7/8"	± 0.2
3	240°	K 80010123	57			7/8"	± 0.2



1387 Prosperitas Street  
 Block 6, Humeville Campus  
 Humeville, 5203  
 T44 +37 (0) 343 2920  
 Fax +37 (0) 343 8008  
 Prospect Mills 148  
 Prospect Hill N13  
 Humeville Park

SITE NAME

**HIGHFLATS**

BASE STATION NUMBER  
**T9511**

REV	DATE	BY	DESCRIPTION
A	19/11/2011	HV	FIRST ISSUE

NOTES

OWNER VAN DER LINDSE GERHARDUS PHILIPUS JOHANNES

STRICTLY COMPANY CONFIDENTIAL  
 PROPERTY DESCRIPTION  
 PORTION 3 (REMAINING EXTENT)  
 OF THE FARM HIGHFLATS 952 IT

COORDINATES  
 LAT 28° 28' 11.88" S  
 LONG 30° 31' 13.74" E

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

ADDRESS  
 OFF THE R33 TOWARDS LOTHAIR  
 MSUKALONGWA  
 CERT SRIBANDE  
 MPLUMALANGA



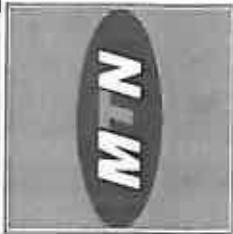
414 Riebeeck Road  
 2004 Harare  
 Tel: +37 (0) 844 19448  
 Fax: +37 (0) 844 7972  
 Email: info@ip-services.com

REG NO  
 132064  
 PROJECT NUMBER  
 120107

DRAWINGS MUST NOT BE SCALED. ONLY DIMENSIONS TO BE USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT OF WORK.  
 ALL WORK TO BE PERFORMED ACCORDING TO MTN SITE SPECIFICATIONS AND DRAWING REVISION 0 NOVEMBER 2007

DRAWN HANS V D WALT  
 SCALE 1:100  
 DATE 16/11/2011  
 REF NO 812770511

SOUTH ELEVATION: ALTERNATIVE 2  
 SHEET 10 OF 11



1287 Prosperitas Street  
Block B, Multimedia Complex  
Cyberjaya, 63000  
Selangor, MALAYSIA  
Tel: +67 (12) 342 3000  
Fax: +67 (12) 342 0008  
www.mtn.com.my  
Project No: MTN-001  
Project Name: MTN-001

**HIGHFLATS**

BASE STATION NUMBER: T9511

REV	DATE	BY	DESCRIPTION
A	16/11/2011	HV	FIRST ISSUE

NOTES:  
OWNER: VAN DER LINDJE GEWASZES PHILIPPUS JOHANNES

STRICTLY COMPANY CONFIDENTIAL  
PROPERTY DESCRIPTION:  
PORTION 3 (REMAINING EXTENT)  
OF THE FARM HIGHFLATS 232 IT

COORDINATES  
LAT: 2° 28' 11.86" S  
LONG: 101° 31' 13.74" E

PROJECT:  
NEWSPIN TELECOMMUNICATION BASESTATION  
WITH A LATTICE MAST FOR MTN (PT) LTD

ADDRESS:  
OFF THE R33 TOWARDS LOTHAIR  
MSUKALIGWA  
GERT SIRBANDE  
MPOJALANGA

**INFRASTRUCTURE  
PLANNING SERVICES**

414 Puncak Nenas  
Taman Puncak Nenas  
0104  
Tel: +67 (12) 804 19048  
Fax: +67 (12) 804 7072  
www.infrastructureplanning.com

P.O. Box 20287  
Telok Ayer Stair  
62511

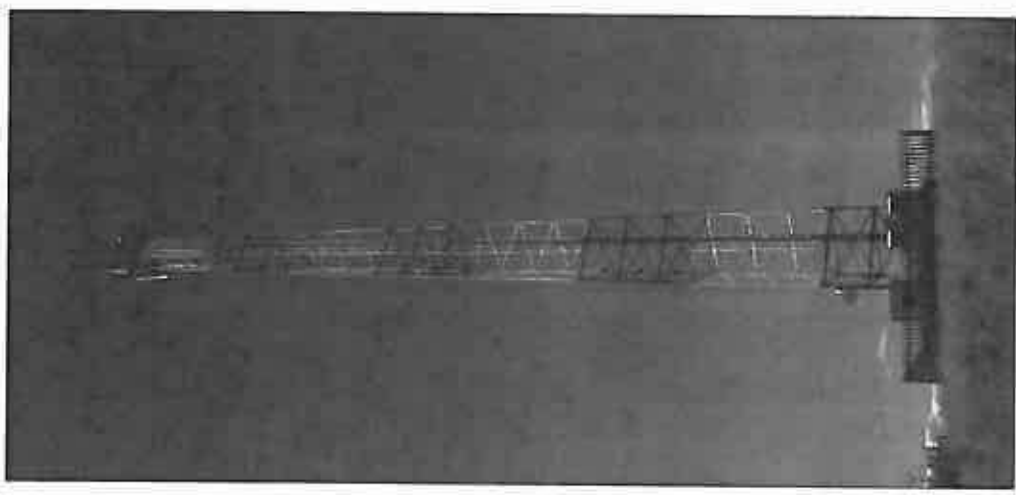
PROJ. NO:  
132064

PROJECT NUMBER:  
128167

DRAWINGS MUST NOT BE SCALED. ONLY REQUIRED DIMENSIONS TO BE  
USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT  
OF WORK.  
ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE SITE  
INFRASTRUCTURE REGULATION (MRO) 2001  
ISSUE 1 REVISION 0 NOVEMBER 2007

DRAWN: HANS V.D. WALT  
SCALE: 1:75  
DATE: 16/11/2011  
REF NO: 912/76511

FACILITY ILLUSTRATION  
SHEET 11 OF 11



TYPICAL 3 LEGGED LATTICE MAST  
(PAINTED RED AND WHITE)

Our Reference:  
T9511 / 17/2/3 GS-89

Your Reference:

17 May 2012

The Ward Councillor  
Msukaligwa Local Municipality  
P O Box 48  
Ermelo  
2350

Attention: Cnr S L Jele  
Councillor: Ward 15

Facsimile: 017 – 801 3851  
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 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (A) & (B) : II (EE) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON REMAINING EXTENT OF PORTION 3 OF THE FARM HIGHFLATS 252 IT.**

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

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

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

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

Kind Regards,

**WA VAN'T FOORT**

For: Torbious Solutions cc

**Comments:**

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Destination	Start Time	Time	Prints	Result	Note
0178013851	05-17 12:08	00:04:00	012/012	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,  
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:  
T9511 / 17/2/3 GS-89

Your Reference:

17 May 2012

The Ward Councillor  
Msukaligwa Local Municipality  
P O Box 48  
Ermelo  
2350

Attention: Cnr S L Jele  
Councillor: Ward 15

Facsimile: 017 - 801 3851  
E-mail:



Reg. No. 2001/080835/23  
PO Box 32017, Tlohasdal, 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 1996 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (A) & (B) : II (EE) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON REMAINING EXTENT OF PORTION 3 OF THE FARM HIGHFLATS 262 IT.**

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

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

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

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

Kind Regards,

WA VAN'T FOORT  
For: Torbious Solutions cc

Comments:

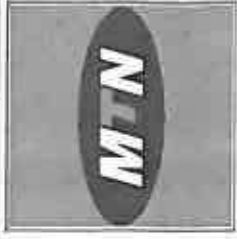
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1207 Pretorius Street  
 Block B, Heerlenhale Computer  
 Heerlen, 0283  
 T4 +27 (0) 343 2000  
 F4 +27 (0) 343 2028  
 Pretorius Street 146  
 Pretorius 304 715  
 Mobile Post

SITE NAME

HIGHFLATS

BASE STATION NUMBER T9511

REV	DATE	BY	DESCRIPTION
A	10/11/2011	HV	FIRST ISSUE

NOTES

OWNER VAN DER LINDSE GEMENSINSAPING PHILIPUS JOHANNES

STRICTLY COMPANY CONFIDENTIAL  
 PROPERTY DESCRIPTION  
 PORTION 3 (REMAINING EXTENT)  
 OF THE FARM HIGHFLATS 252 IT

COORDINATES  
 LAT 28° 28' 11.96" S  
 LONG 30° 31' 13.74" E

PROJECT  
 NEW 900m TELECOMMUNICATION BASE STATION  
 WITH A LATTICE MAST FOR MULTIPLE LTD

ADDRESS  
 OFF THE R311 TOWARDS LOTHAIR  
 ASUKALEWA  
 CIRT SIBANDE  
 MPLUNALANGA



INFRASTRUCTURE  
 PLANNING SERVICES

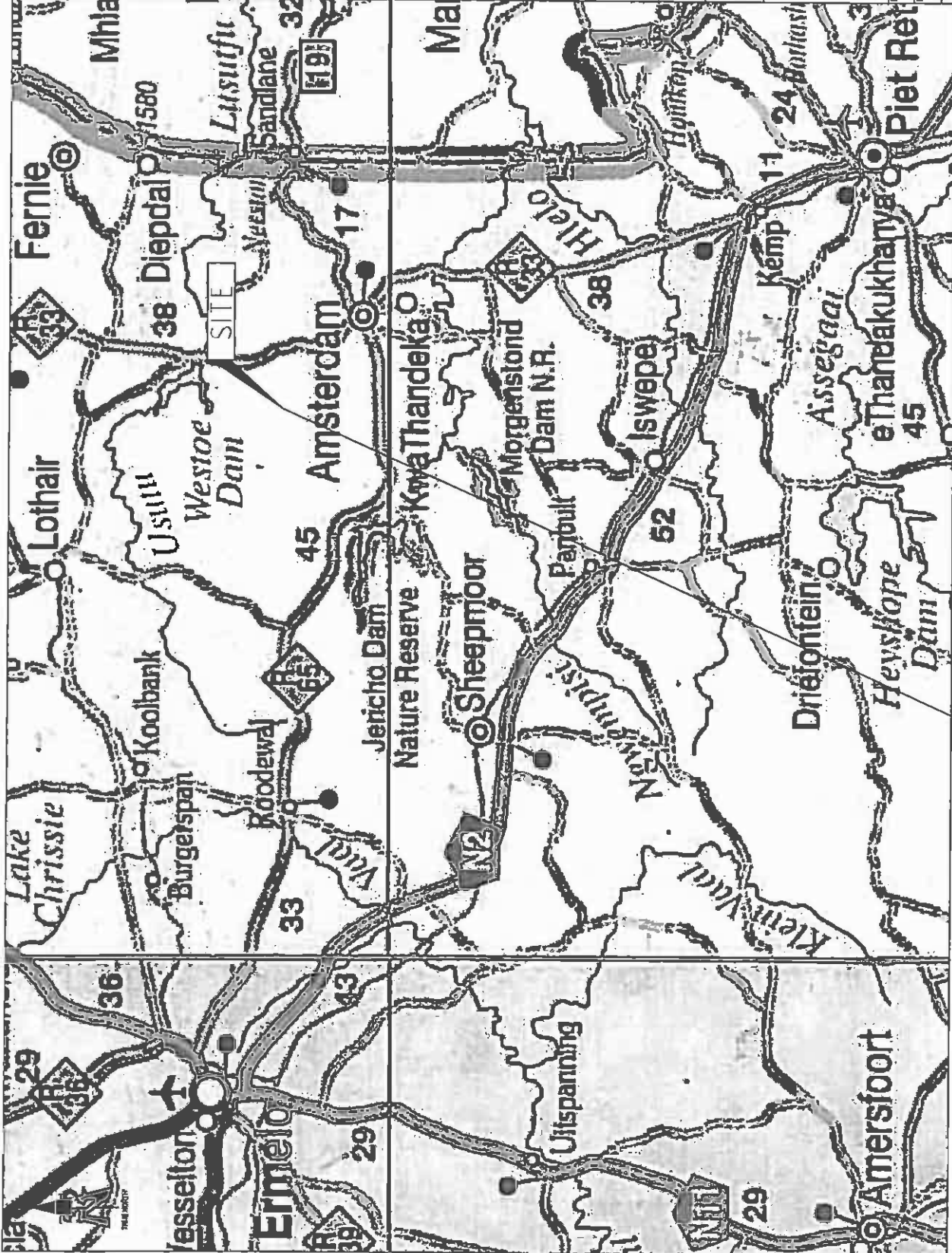
414 Pretorius Street  
 P.O. Box 32017  
 T4 +27 (0) 343 18348  
 F4 +27 (0) 343 7072  
 07134

REG NO  
 152846  
 PROJECT NUMBER  
 120167

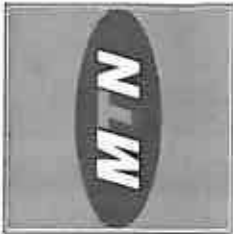
DRAWINGS MUST NOT BE SCALED. ONLY DIMENSIONS TO BE  
 USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT  
 OF WORK.  
 ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE SITE  
 INFRASTRUCTURE SPECIFICATION (SIP) 001.  
 ISSUE 1 REVISION 0 NOVEMBER 2007

DRAWN HANS V.D. WALT  
 SCALE NTS  
 DATE 18/11/2011  
 REF. NO 812/T9511

LOCALITY MAP  
 SHEET 1 OF 11



T9511  
 HIGHFLATS



1367 Puntland Street  
 Block 8, Helderberg Complex  
 Pretoria 0183  
 Tel: +27 (0) 12 200 2000  
 Fax: +27 (0) 12 200 2001  
 www.mtn.com

**HIGHFLATS**

BASE STATION NUMBER: T9511

REV	DATE	BY	DESCRIPTION
A	16/11/2011	HV	FIRST ISSUE

NOTES  
 OWNER: VAN DER LANGE GERARDUS PHILIPUS JOHANNES

STRICTLY COMPANY CONFIDENTIAL  
 PROPERTY DESCRIPTION  
 PORTION 3 (REMAINING EXTENT)  
 OF THE FARM HIGHFLATS 252 IT

COORDINATES  
 LAT: 28° 25' 11.88" S  
 LONG: 30° 31' 13.74" E

PROJECT  
 NEWBORN TELECOMMUNICATION BASESTATION  
 WITH A LATTICE MAST FOR MTN (PTY) LTD

ADDRESS  
 OFF THE R33 TOWARDS LOTHAIR  
 MSUKALONGWA  
 GERT SIBANDA  
 MPUMALANGA



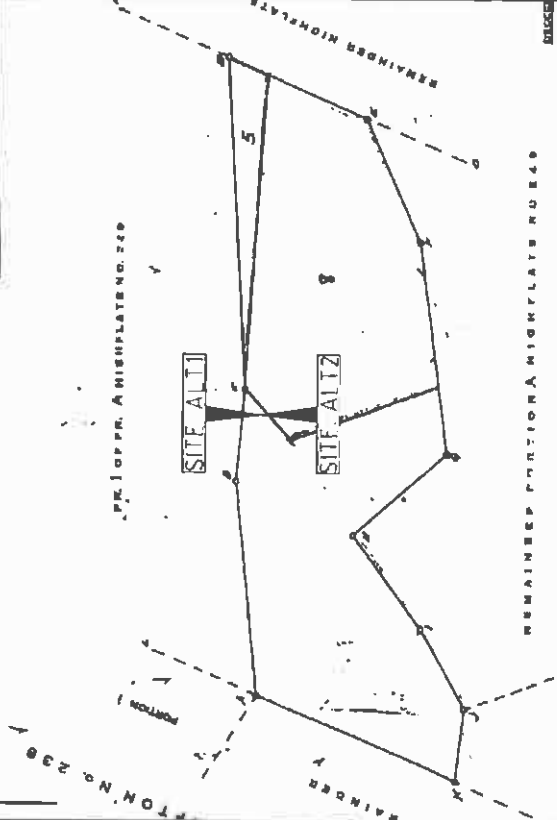
414 Ruan Road  
 P.O. Box 32017  
 Johannesburg 2014  
 Tel: +27 (0) 11 400 2000  
 Fax: +27 (0) 11 400 2001  
 www.infrastructure-services.com

PROJECT NUMBER  
 120167

DRAWN: HANSYD WALT  
 DATE: 18/11/2011  
 SCALE: A3S  
 REF. NO: 81279511

CADASTRAL INFO  
 SHEET 2 OF 11

AREA	AREA IN	PERCENTAGE OF DISTRICT
AD	49006.01	174
BE	20360.01	106
CD	1774.28	20
DE	3303.81	30
EF	2807.81	23
FG	4737.3	33
GH	2886.1	49
HI	2061.8	29
IJ	2036.01	30
KL	1425.81	11
LM	462.01	2
NO	1222.3	2
OP	79.01	1



A.B.C.D.E.F.G.  
 1-1 HIGH FENCE  
 M-ROAD ROAD  
 O-1-OLD DAM

SCALE: 1:10000  
 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 Feet

THE FARM 92,200 BESSIE  
 853 MORGAN  
 252  
 1/2011  
 No. 252 REPT. 1/2011  
 New registered under 1

PORTION 2 OF PORTFOLIO A

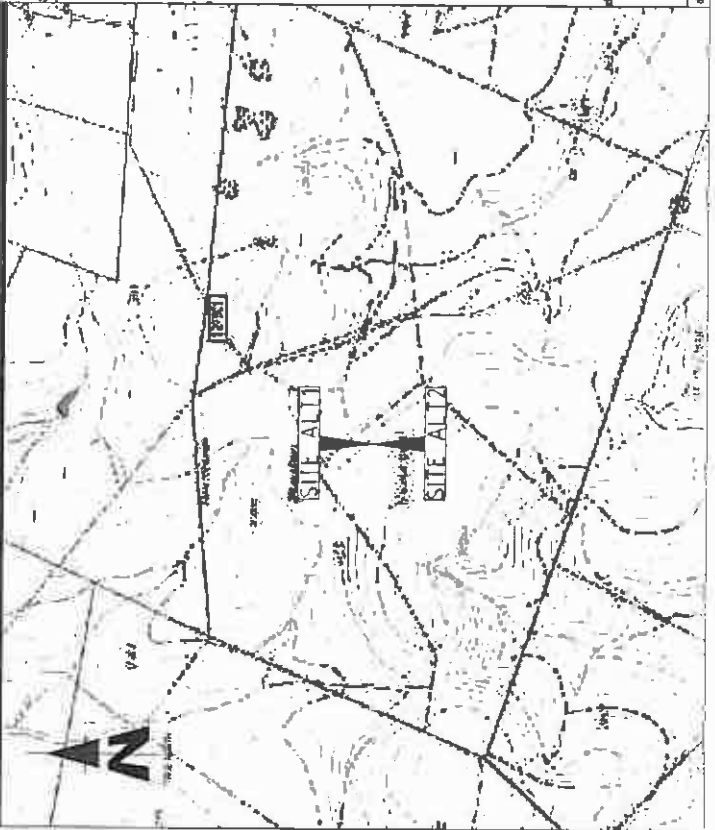
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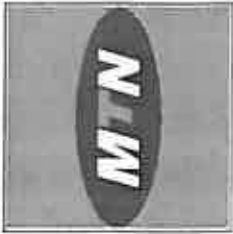
ERNELO

DATE: JAN. 1981

88 File No.

The original diagram is in A300/9





1307 Proteas Blvd  
 Midrand, Gauteng  
 Tshane & Associates Computer  
 Infrastructure  
 Tshane & Associates  
 Tel: +27 (12) 343 2000  
 Fax: +27 (12) 343 9200  
 Project No: 148  
 Project Name: Highflats  
 Issue No: 0134

SITE NAME

**HIGHFLATS**

BASE STATION NUMBER  
**T9511**

REV	DATE	BY	DESCRIPTION
A	18/11/2011	HV	FIRST ISSUE

NOTES  
 OWNER: VAN DER LINDE GEMINUS PHILIPUS JOHANNES

PROPERTY DESCRIPTION  
 STRICTLY COMPANY CONFIDENTIAL  
 PORTION 3 (REMAINING EXTENT)  
 OF THE FARM HIGHFLATS 252 IT

COORDINATES  
 LAT: 28° 28' 11.86" S  
 LONG: 30° 31' 13.74" E

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

ADDRESS  
 OFF THE R33 TOWARDS LOTHAIR  
 MASUKALONGA  
 GERT SRBANDE  
 NPUMALANGA



**INFRASTRUCTURE  
 PLANNING SERVICES**

414 Pines Road  
 Midrand, Gauteng  
 Tshane & Associates  
 Tel: +27 (12) 343 19000  
 Fax: +27 (12) 343 9200  
 P.O. Box 32077  
 Midrand  
 20134

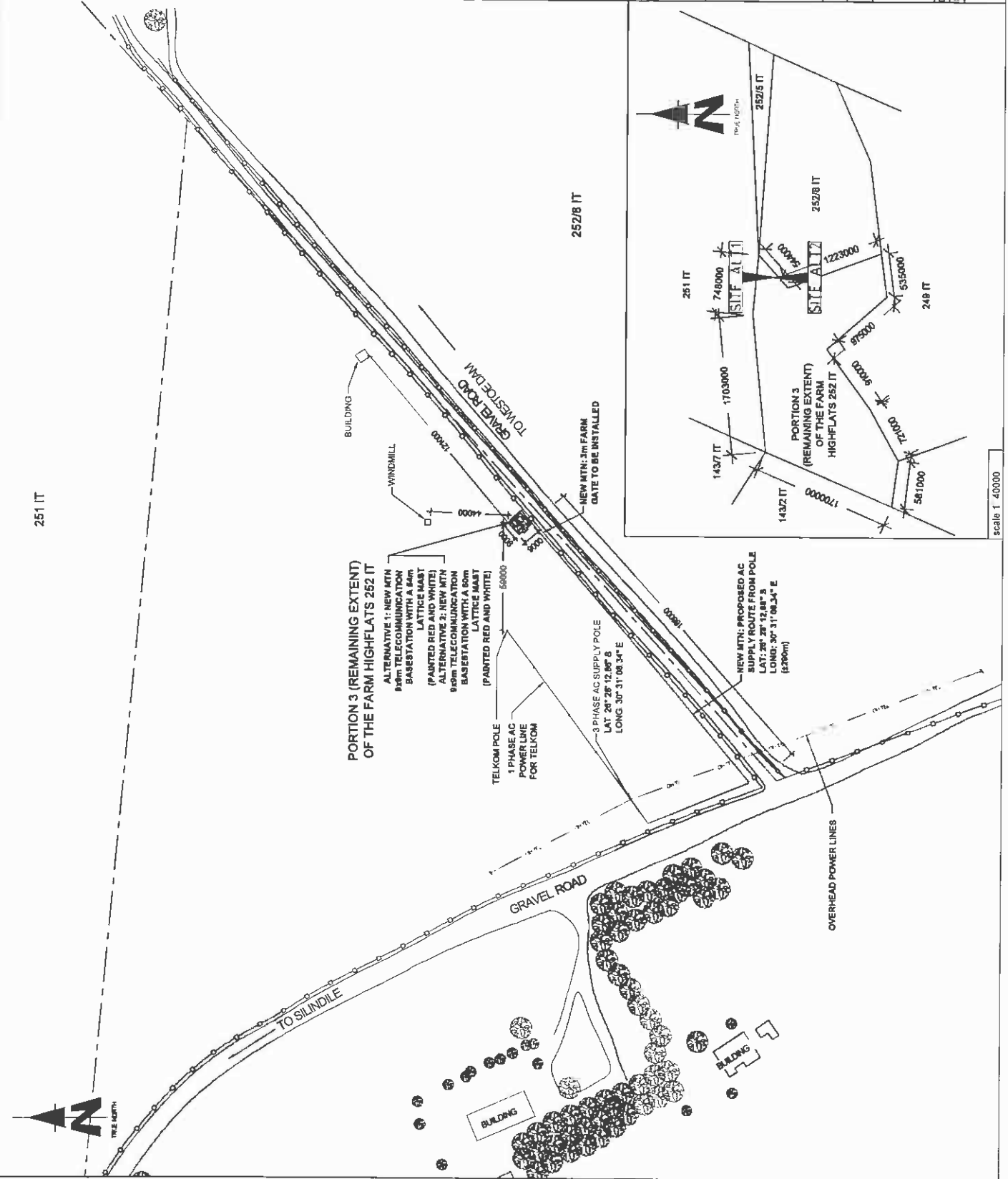
PROJECT NUMBER  
 120187

SCALE: 1:40000

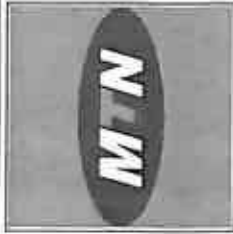
DRAWN: HANS V D. WALT  
 DATE: 18/11/2011  
 REF. NO: 81279511

**SITE DEVELOPMENT PLAN  
 SHEET 3 OF 11**

251 IT



scale 1:40000



1307 Pudukottai Street  
 Block 8, Havelokan Complex  
 Madurai, 625 002  
 T4: +91 (0) 452 240 2000  
 F4: +91 (0) 452 240 2008  
 Madurai 625 002

**HIGHFLATS**

BASE STATION NUMBER: T9511

REV	DATE	BY	DESCRIPTION
A	18/11/2011	HV	FIRST ISSUE

NOTES:  
 OWNER: VAN OERLENE GERVAASUS PHILLIPS JOHANNES

PROPERTY DESCRIPTION:  
 STRICTLY COMPANY CONFIDENTIAL  
 PORTION 3 (REMAINING EXTENT)  
 OF THE FARM HIGHFLATS 252 IT

COORDINATES:  
 LAT: 20° 28' 11.89" S  
 LONG: 30° 31' 13.74" E

PROJECT:  
 NEW MTN TELECOMMUNICATION BASESTATION  
 WITH LATTICE MAST FOR T9511 (T1)

ADDRESS:  
 OFF: THE 803 TOWARDS LOT 14141  
 MASILKALAYAN  
 CERT SRIBANDE  
 MPALMALANJA

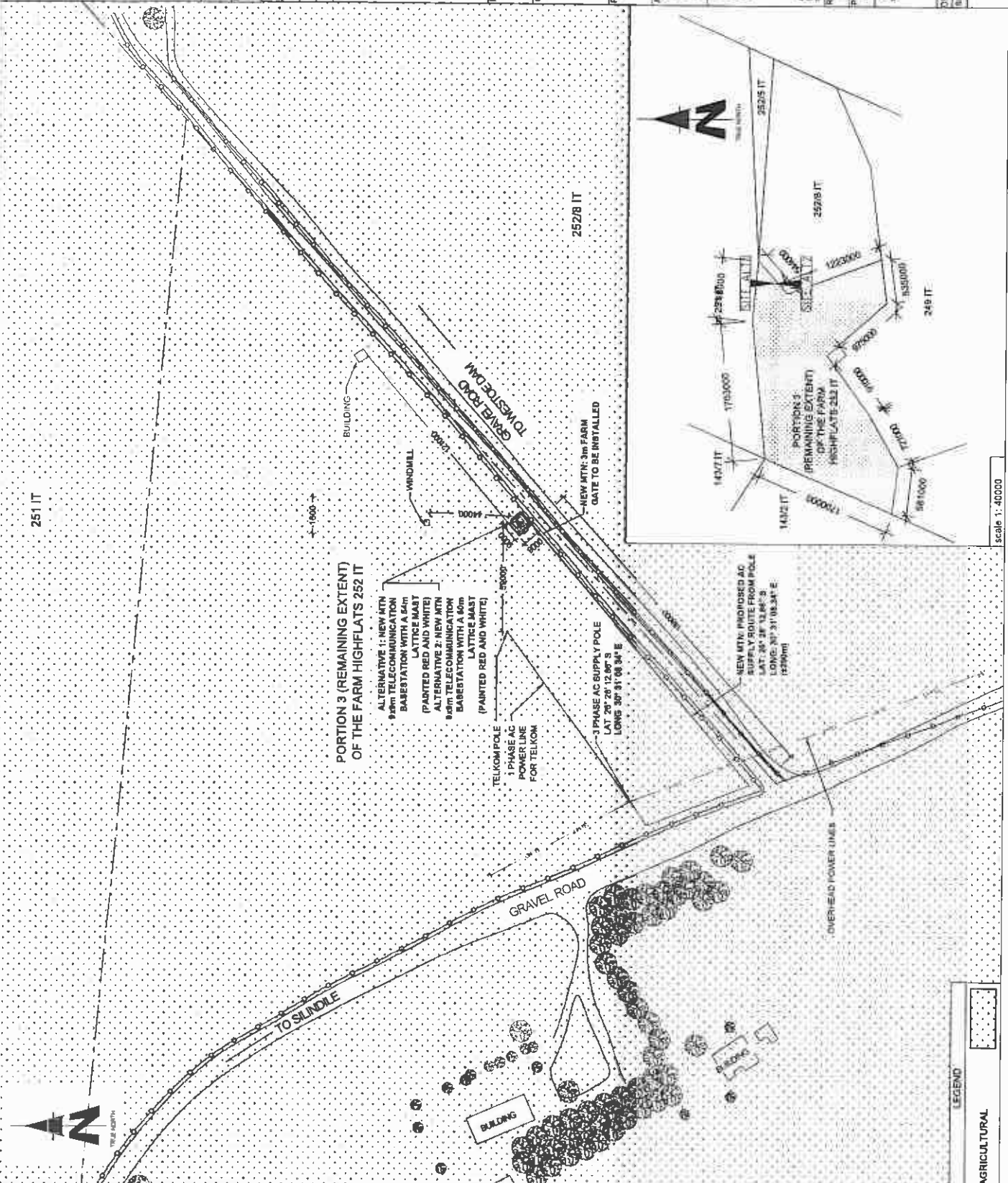


4th Floor, Tower  
 7th, 107/103/104, 105A  
 Plot No: 107/103/104/105  
 105A  
 Madurai, Tamil Nadu  
 INDIA  
 REF: IN/13/2011  
 13/2011  
 PROJECT NUMBER:  
 130167

CHANGES MUST NOT BE ESCALATED ONLY FOLLOWED ONCE APPROVED TO BE  
 USED. CHANGES TO BE LISTED ON DATE BEFORE COMMENCEMENT  
 ALL RIGHTS TO BE RESERVED TO INFRASTRUCTURE SERVICES  
 INFRASTRUCTURE SERVICES (INDIA) PRIVATE LIMITED  
 REGD. 18/NOV/2008 IN NOVEMBER 2007

DRAWN: HANS V D. BAST  
 DATE: 08/11/2011  
 REF: NO: 212/14/11  
 SCALE: 1:2000

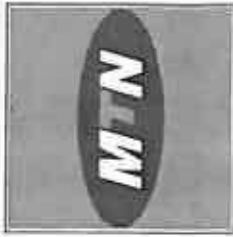
SITE DEVELOPMENT PLAN  
 SHEET 4 OF 11



Scale 1: 40000

LEGEND

	AGRICULTURAL
--	--------------



1307 Pindaba Street  
 Block B, Maitland, Cape Town  
 Postal Code 7801  
 Tel: +27 (0) 21 462 7000  
 Fax: +27 (0) 21 462 7008  
 www.mtn.com

1307 Pindaba Street  
 Block B, Maitland, Cape Town  
 Postal Code 7801  
 Tel: +27 (0) 21 462 7000  
 Fax: +27 (0) 21 462 7008  
 www.mtn.com

**HIGHFLATS**

BASE STATION NUMBER T9511

REV	DATE	BY	DESCRIPTION
A	10/11/2011	HV	FIRST ISSUE

NOTES  
 OWNER VAN DER LINDE GERVAAS PHILIPUS JENNINGS

STRICTLY COMPANY CONFIDENTIAL  
 PROPERTY DESCRIPTION  
 PORTION 3 (REMAINING EXTENT)  
 OF THE FARM HIGHFLATS 252 JT

COORDINATES  
 LAT 29° 28' 11.69" S  
 LONG 30° 31' 13.74" E

PROJECT  
 NEW 900M TELECOMMUNICATION BASE STATION  
 WITH A LATTICE MAST FOR MTN (PTY) LTD

ADDRESS  
 OFF THE R33 TOWARDS LOTHAIR  
 MASUKALIGWA  
 GERT SIBANDE  
 NPUNJALANGA



INFRASTRUCTURE  
 PLANNING SERVICES

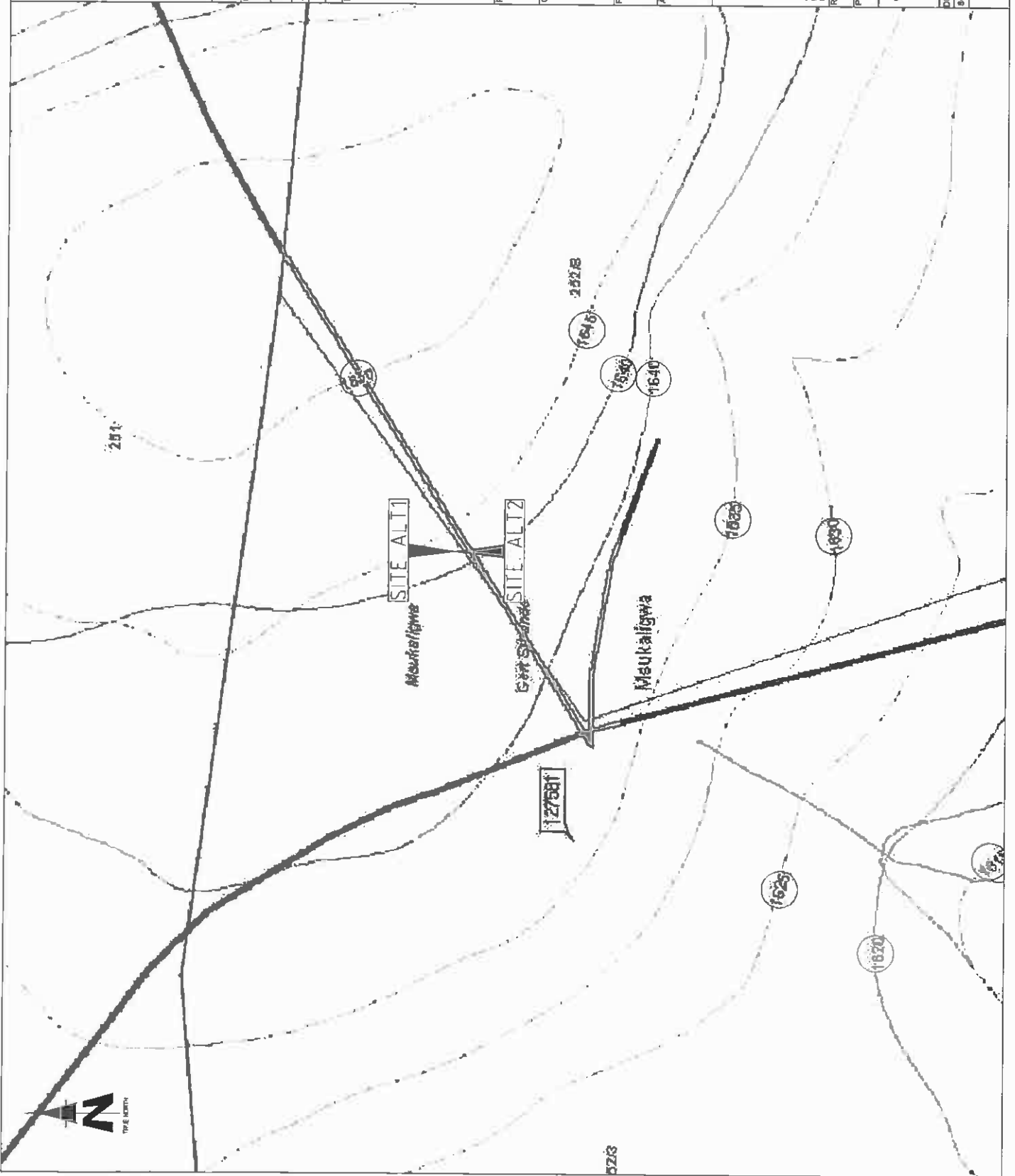
414 Pindaba Road  
 Block B, Maitland  
 Cape Town  
 Postal Code 7801  
 Tel: +27 (0) 21 462 7000  
 Fax: +27 (0) 21 462 7008  
 www.ips.com

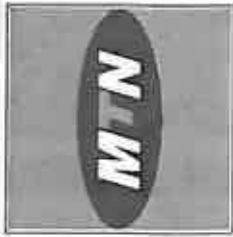
REG NO  
 1350985

PROJECT NUMBER  
 120187

DRAWN HANS V D WALT  
 SCALE MTS  
 DATE 08/11/2011  
 REF NO 81279511

CONTOUR INTERVAL  
 SHEET 5 OF 11





1307 Prospect Street  
 Block 8, Maitland Campus  
 Maitland, 6013  
 Tel: 071 232 3000  
 Fax: 071 232 3008  
 Project: Site 146  
 Project: Site 146  
 Project: Site 146

SITE NAME

**HIGHFLATS**

BASE STATION NUMBER  
**T9511**

REV	DATE	BY	DESCRIPTION
A	16/11/2011	HV	FIRST ISSUE

NOTES

OWNER: VAN DER LINDSE GERHARDUS PHILIPUS JOHANNES

STRICTLY COMPANY CONFIDENTIAL  
 PROPERTY DESCRIPTION  
 PORTION 3 (REMAINING EXTENT)  
 OF THE FARM HIGHFLATS 252 IT

COORDINATES  
 LAT: 28° 28' 11.96" S  
 LONG: 30° 31' 10.74" E

PROJECT  
 NEW 900MHz TELECOMMUNICATION BASE STATION  
 WITH A LATTICE MAST FOR MTN (PTY) LTD

ADDRESS  
 OFF THE R33 TOWARDS LOTHAIR  
 MASUKALONGWA  
 GERT SIBANDE  
 NIPUMALANGA



414 Pines Road  
 10101 Newville  
 Durbanville  
 7134  
 Tel: 071 73 84 194/8  
 Fax: 071 73 84 197  
 Email: info@ipservices.com

RFQ NO  
 152004

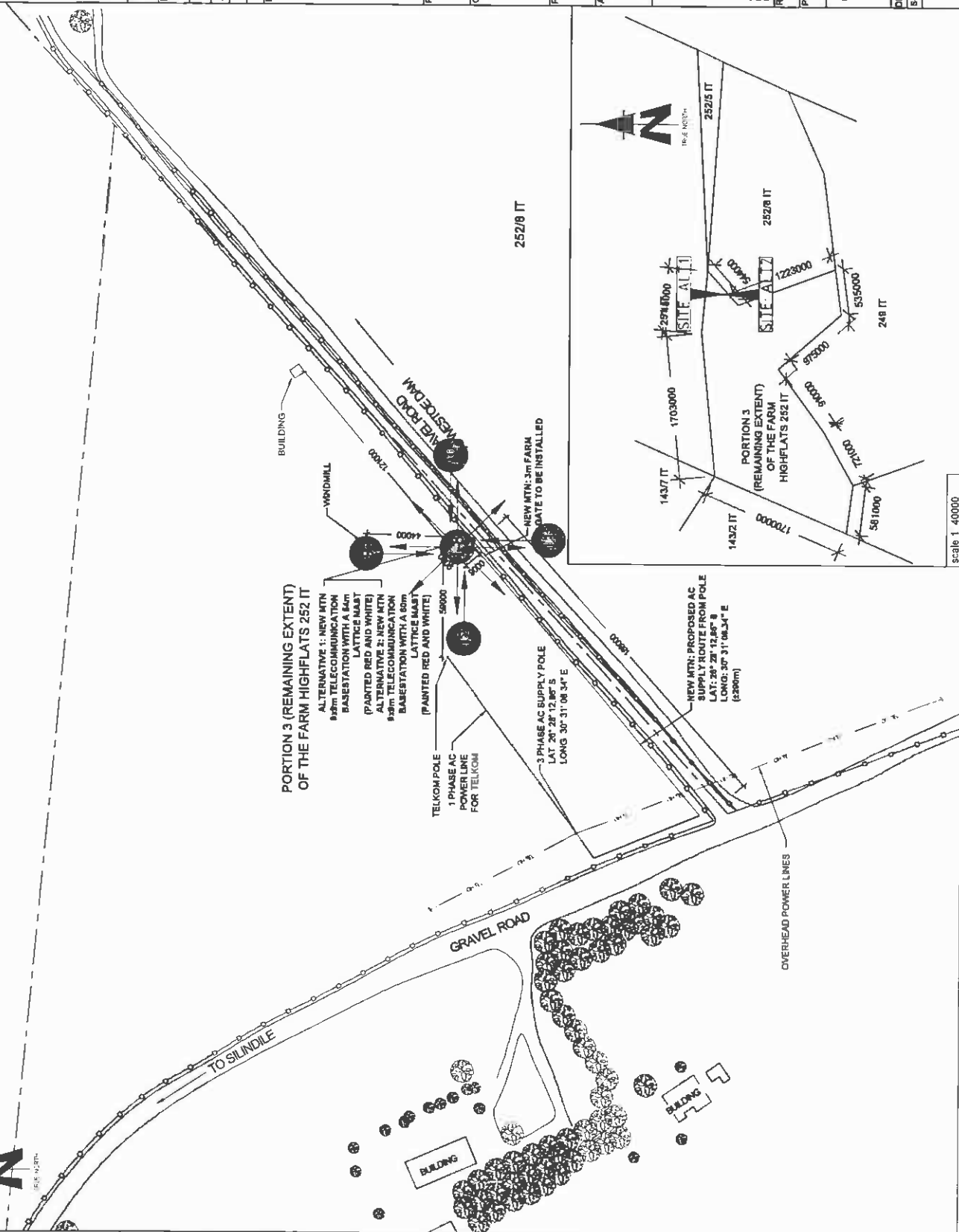
PROJECT NUMBER  
 120187

DRAWING MUST NOT BE SCALED. ONLY DIMENSIONS TO BE USED.  
 DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT  
 OF WORK.  
 ALL WORK TO BE PERFORMED TO THE SITE  
 INFRASTRUCTURE SPECIFICATION (NOV 2007)  
 ISSUE 1 (REVISION 3) NOVEMBER 2007

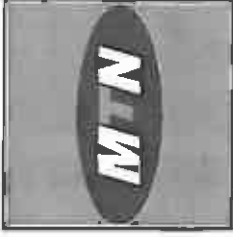
DRAWN: HANS V.D. WALT  
 SCALE: 1:2000  
 DATE: 16/11/2011  
 REF NO: 812/T9511

SITE PHOTOGRAPHS  
 SHEET 6 OF 11

251 IT



scale 1:40000



1387 Proprietor Street,  
Meads & Houtshoek, Compounds  
Pretoria, 0083  
Tel: +27 (0) 12 342 2000  
Fax: +27 (0) 12 342 2008  
www.mtn.co.za

**SITE NAME**  
**HIGHFLATS**

**BASE STATION NUMBER** T9511

REV	DATE	BY	DESCRIPTION
A	16/11/2011	HV	FIRST ISSUE

**NOTES**  
OWNER: VAN DER LINDE GERVAASUS PHILIPUS JOHANNES

**PROPERTY DESCRIPTION**  
STRICTLY COMPANY CONFIDENTIAL  
PORTION 3 (REMAINING EXTENT)  
OF THE FARM HIGHFLATS 252 IT

**COORDINATES**  
LAT: 28° 28' 11.86" S  
LONG: 30° 31' 13.74" E

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

**ADDRESS**  
OF THE R33 TOWARDS LOTHAR  
MSUKALONGWA  
GERT SIBANDE  
MFMUNALANGA



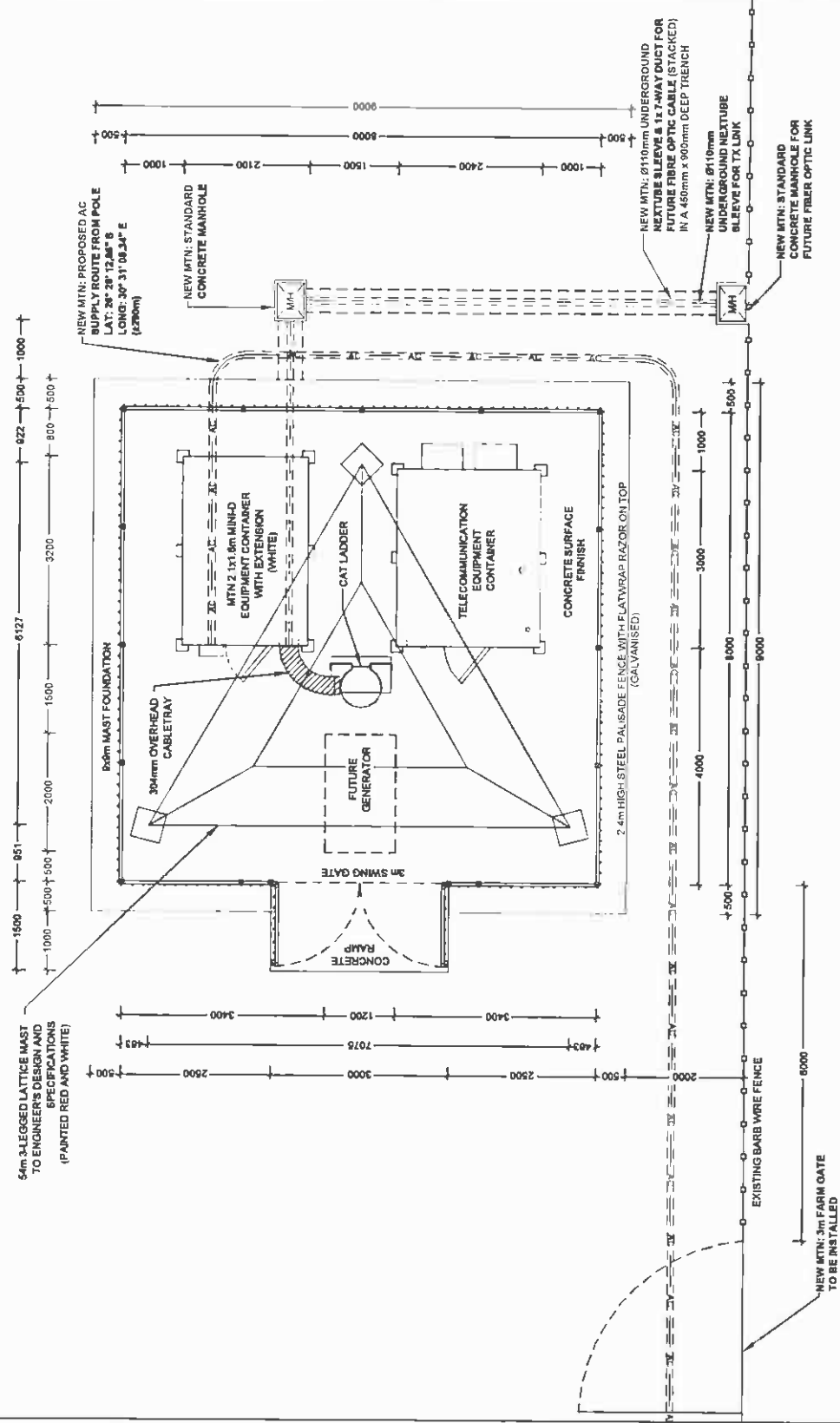
414 Rennie Road  
P.O. Box 20817  
Pretoria, 00018  
Tel: +27 (0) 12 342 1500  
Fax: +27 (0) 12 342 1508  
www.infrastrucplanning.co.za

**REG NO** 152906  
**PROJECT NUMBER** 120167

**DRAWN** HANSY D WALT  
**DATE** 18/11/2011  
**REF NO** 81279511

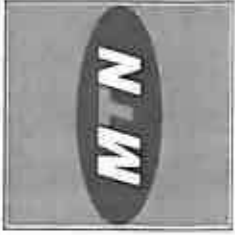
**SITE DETAIL: ALTERNATIVE 1**  
**SHEET 7 OF 11**

**PORTION 3 (REMAINING EXTENT)  
OF THE FARM HIGHFLATS 252 IT**



GRAVEL ROAD





1267 Pretorius Street  
 Block 8, Hillside Computer  
 Hillside, 1501  
 T: +27 (0) 21 521 5000  
 F: +27 (0) 21 521 5004  
 www.mtn.co.za

SITE NAME

HIGHFLATS

BASE STATION NUMBER  
 T9511

REV	DATE	BY	DESCRIPTION
A	18/11/2011	HV	FIRST ISSUE

NOTES

OWNER VAN DER LINDE GERVAASUS PHILIPUS JOHANNES

STRICTLY COMPANY CONFIDENTIAL  
 PORTION 3 (REMAINING EXTENT)  
 OF THE FARM HIGHFLATS 252 IT

COORDINATES  
 LAT: 28° 28' 11.80" S  
 LONG: 30° 31' 19.74" E

PROJECT  
 NEW 90mm TELECOMMUNICATION BASESTATION  
 WITH A LATTICE MAST FOR MTN (PTY) LTD

ADDRESS  
 OFF THE R33 TOWARDS LOTHAR  
 ASUKALANGWA  
 GERT SIBANDE  
 MFLUMALANGA



INFRASTRUCTURE  
 PLANNING SERVICES

414 Rouse Road  
 Hillside  
 T: +27 (0) 21 521 5000  
 F: +27 (0) 21 521 5004  
 www.ips.co.za

REQ NO

152006

PROJECT NUMBER

120167

DRAWINGS MUST NOT BE SCALE. ONLY PROVIDED DIMENSIONS TO BE  
 USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT  
 OF WORK.  
 ALL WORK TO BE REFERENCED TO 1971 MTN SITE  
 INFRASTRUCTURE SPECIFICATION ROAD 1001  
 MADE 1 NOVEMBER 2007

DRAWN: HANS V D WALT

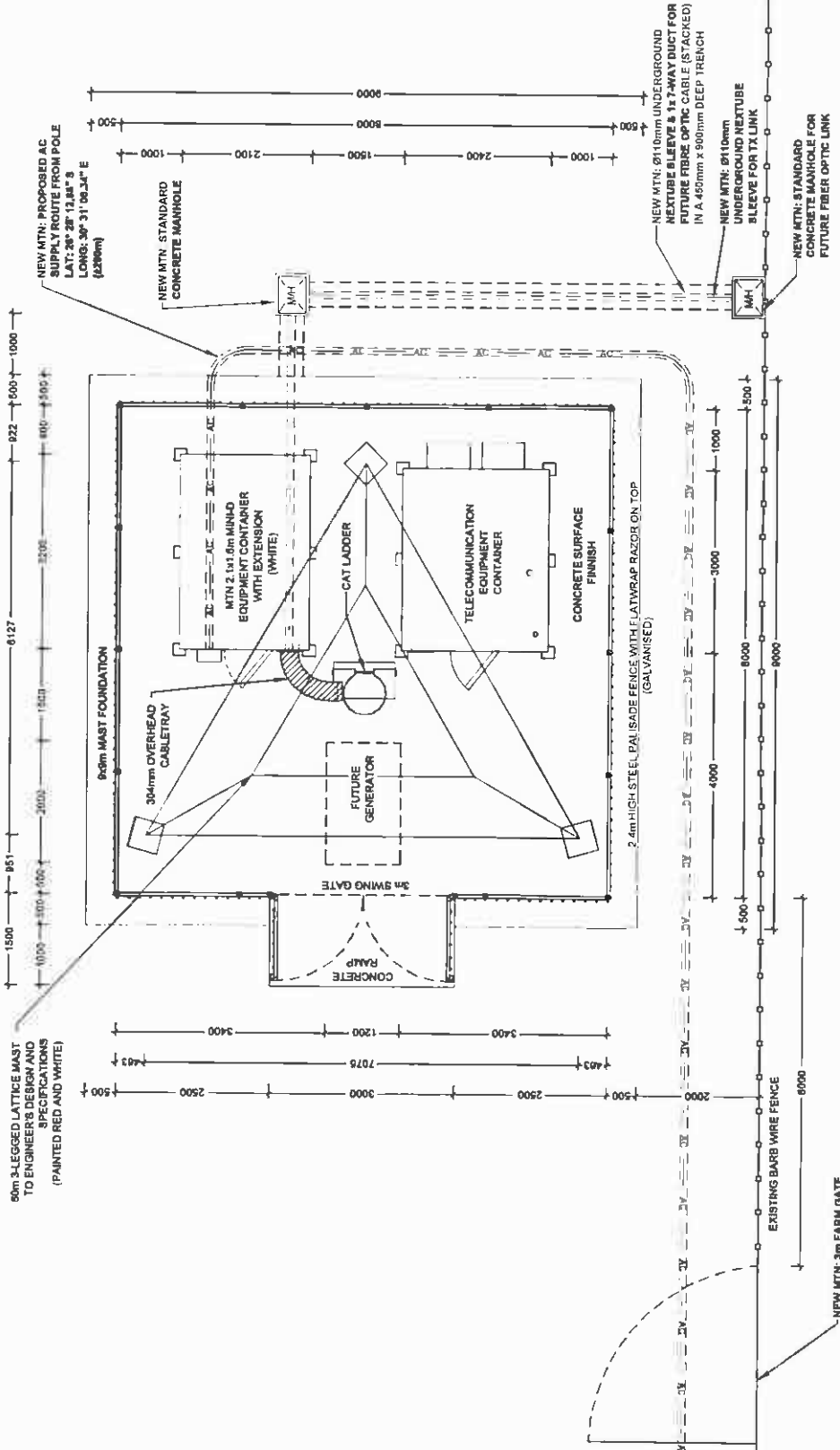
SCALE: 1:75

DATE: 18/11/2011

REF NO: 812/79511

SITE DETAIL: ALTERNATIVE 2  
 SHEET 8 OF 11

PORTION 3 (REMAINING EXTENT)  
 OF THE FARM HIGHFLATS 252 IT

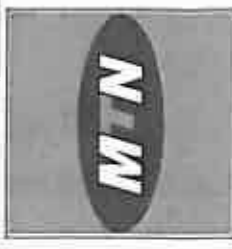
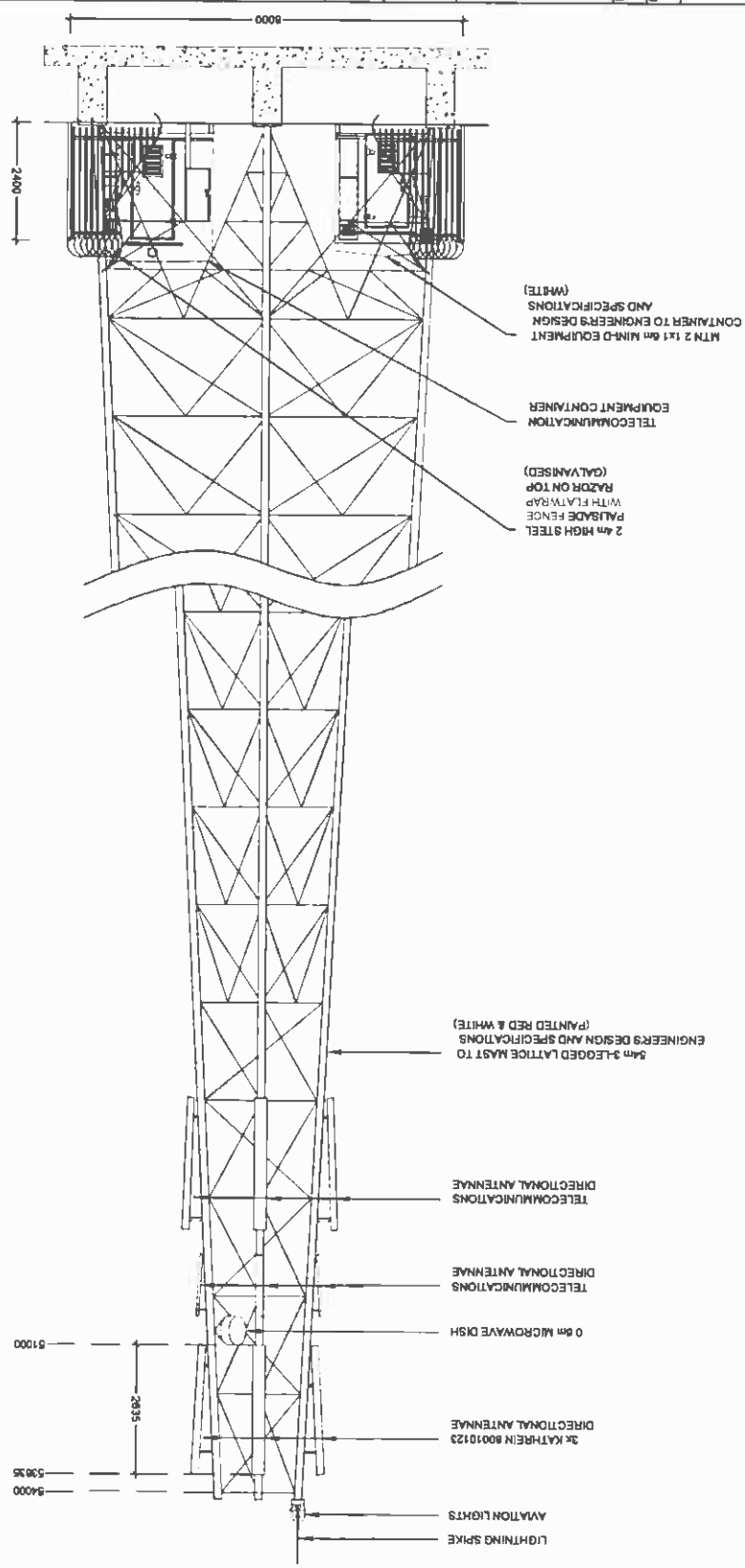


GRAVEL ROAD



**MTN ANTENNAE KEY**

SECTOR	AZIMUTH	ANTENNA	HEIGHT-BOTTOM (m)	MECH TILT	ELEC. TILT	FEEDER SIZE	FEEDER LENGTH (m)
1	0°	K-60010123	51			78"	± 5.5
2	120°	K-60010123	51			78"	± 5.5
3	240°	K-60010123	51			78"	± 5.5



1287 Pretorius Street  
 Block B, Heerlenhills, Compton  
 Durbanville, 7800  
 Tel: +27 (0) 343 3000  
 Fax: +27 (0) 343 8708  
 Pretorius 148  
 Pretorius Bldg 115  
 Durbanville

SITE NAME  
**HIGHFLATS**

BASE STATION NUMBER  
**T9511**

REV	DATE	BY	DESCRIPTION
A	16/11/2011	HV	FIRST ISSUE

NOTES  
 OWNER: VAN DER LINDE GERHARDUS PHILIPUS JOHANNES

STRICTLY COMPANY CONFIDENTIAL  
 PROPERTY DESCRIPTION  
 PORTION 3 (REMAINING EXTENT)  
 OF THE FARM HIGHFLATS 952 IT

COORDINATES  
 LAT: 29° 28' 11.08" S  
 LONG: 30° 31' 13.74" E

PROJECT  
 NEW 900m TELECOMMUNICATION BASE STATION  
 WITH A LATTICE MAST FOR MTN (PTY) LTD

ADDRESS  
 OFF THE R33 TOWARDS LOTHAIR  
 MSUKALIGWA  
 GERT SIBANDE  
 MIPUMALANGA



444 Route Road  
 Durbanville  
 7800  
 Tel: +27 (0) 343 15048  
 Fax: +27 (0) 343 0134  
 info@ipsafrica.co.za

RFQ NO  
 127004

PROJECT NUMBER  
 120187

DRAWN: HANS V.D. WALT  
 DATE: 16/11/2011  
 SCALE: 1:100  
 REF. NO: 412/T9511

ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE SITE  
 INFRASTRUCTURE SPECIFICATION R01/001  
 MADE 1 REVISION 0 NOVEMBER 2007

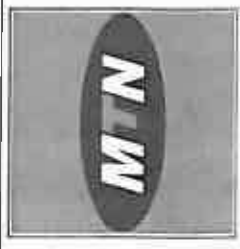
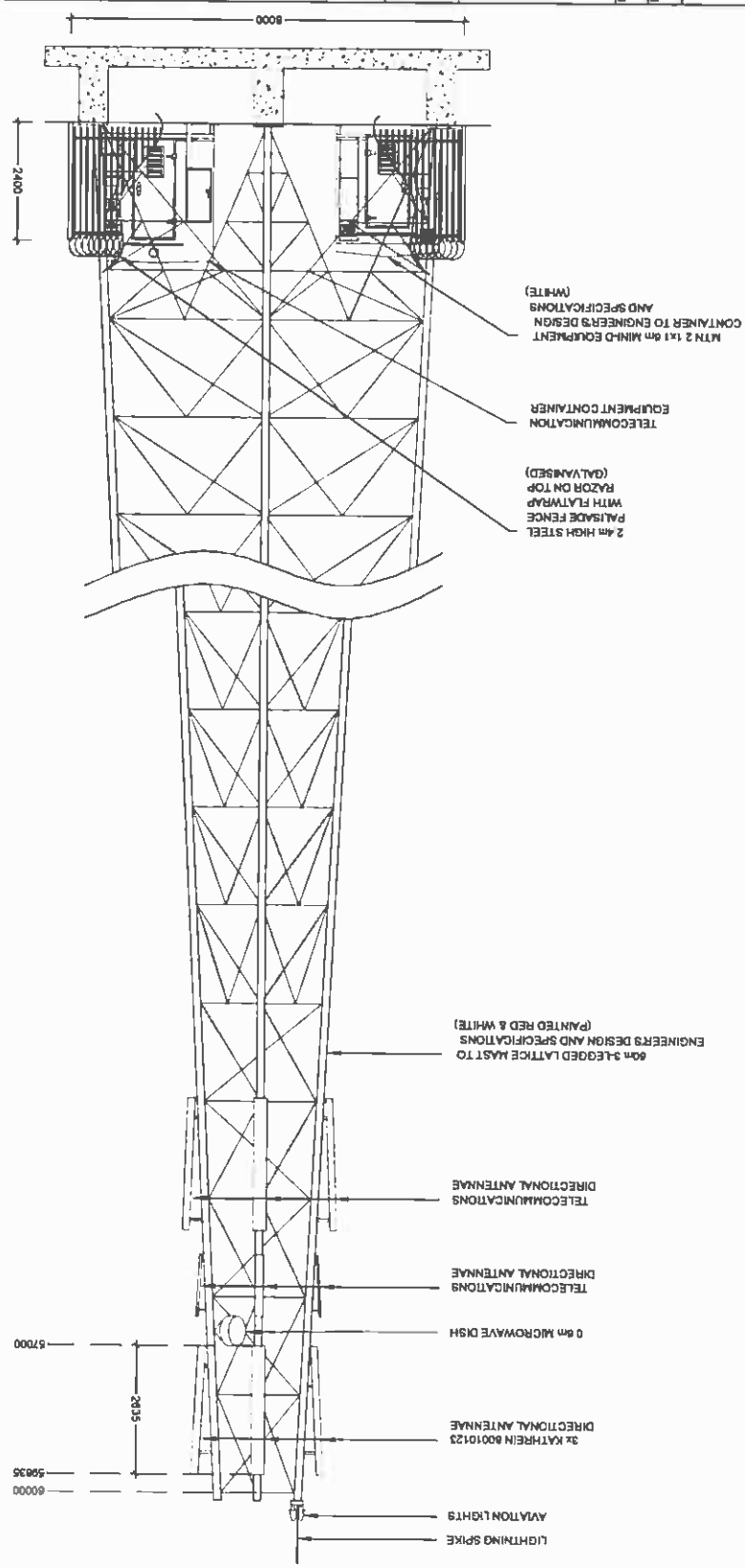
DRAWING MUST NOT BE SCALED. ONLY DIMENSIONS TO BE  
 USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT  
 OF WORK.

ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE SITE  
 INFRASTRUCTURE SPECIFICATION R01/001  
 MADE 1 REVISION 0 NOVEMBER 2007

SOUTH ELEVATION: ALTERNATIVE 1  
 SHEET 9 OF 11

**MTN ANTENNAE KEY**

SECTOR	AZIMUTH	ANTENNA	HEIGHT - BOTTOM (m)	MEOH TILT	ELEC TILT	FEEDER SIZE	FEEDER LENGTH (m)
1	0°	K.80010123	57			7/8"	± 0.2
2	120°	K.80010123	57			7/8"	± 0.2
3	240°	K.80010123	57			7/8"	± 0.2



9387 Prahara Street  
Block B, Hardside Complex  
Harbour City  
Johannesburg  
Tel: +27 (0) 11 343 2006  
Fax: +27 (0) 11 343 2008  
Private Bag 518  
Johannesburg

SITE NAME  
**HIGHFLATS**

BASE STATION NUMBER  
**T9511**

REV	DATE	BY	DESCRIPTION
A	18/11/2011	HV	FIRST ISSUE

NOTES  
OWNER: VAN DER LINDSE GEBROEDERS PHILIPPUS JOHANNES

STRICTLY COMPANY CONFIDENTIAL  
PROPERTY DESCRIPTION  
PORTION J (REMAINING EXTENT)  
OF THE FARM HIGHFLATS 952 IT

COORDINATES  
LAT: 28° 28' 11.89" S  
LONG: 30° 31' 13.74" E

PROJECT  
NEW 600MHz TELECOMMUNICATION BASE STATION  
WITH A LATTICE MAST FOR MTN IPTV LTD

ADDRESS  
OFF THE R33 TOWARDS LOTHAIR  
MSUKALIGWA  
CERT SRIBANDE  
MPLUKALANGA



414 Prahara Road  
Johannesburg  
Tel: +27 (0) 11 343 1948  
Fax: +27 (0) 11 343 2022  
www.infrastructureplanning.com

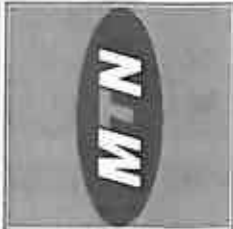
REG NO  
1E3908

PROJECT NUMBER  
120167

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 SITE INFRASTRUCTURE SPECIFICATION DOCUMENT.  
ISSUE 1 REVISION 9 NOVEMBER 2007

DRAWN: HANS V.D. WALT  
SCALE: 1:100  
DATE: 18/11/2011  
REF. NO: R12T9511

SOUTH ELEVATION: ALTERNATIVE 2  
SHEET 10 OF 11



1287 Pretorius Street  
 Block B, HeadOffice Complex  
 Ficksburg, 1601  
 TOLL FREE: 0800 100 000  
 TEL: +27 (0) 21 550 0000  
 FAX: +27 (0) 21 550 0000  
 www.mtn.co.za

Project No: 146  
 Project Name: T9511  
 Project Location: Middelburg Park

**HIGHFLATS**

BASE STATION NUMBER  
**T9511**

REV	DATE	BY	DESCRIPTION
A	16/11/2011	HV	FIRST ISSUE

NOTES  
 OWNER: VAN DER LINDE DERWAARDUS PHILIPUS JOHANNES

STRICTLY COMPANY CONFIDENTIAL  
 PROPERTY DESCRIPTION  
 PORTION 3 (REMAINING EXTENT)  
 OF THE FARM HIGHFLATS 252 IT

COORDINATES  
 LAT: 29° 28' 11.86" S  
 LONG: 30° 31' 13.74" E

PROJECT  
 NEW 30m TELECOMMUNICATION BASESTATION  
 WITH A LATTICE MAST FOR MTN (PT) LTD

ADDRESS  
 OFF THE R33 TOWARDS LOTHAIR  
 NSUKALIGWA  
 CERT SIBANDE  
 IMPUMALANGA



444 Rennie Road  
 Johannesburg  
 2014  
 Tel: +27 (0) 11 504 9048  
 Fax: +27 (0) 11 504 9028  
 www.ipsafrica.com

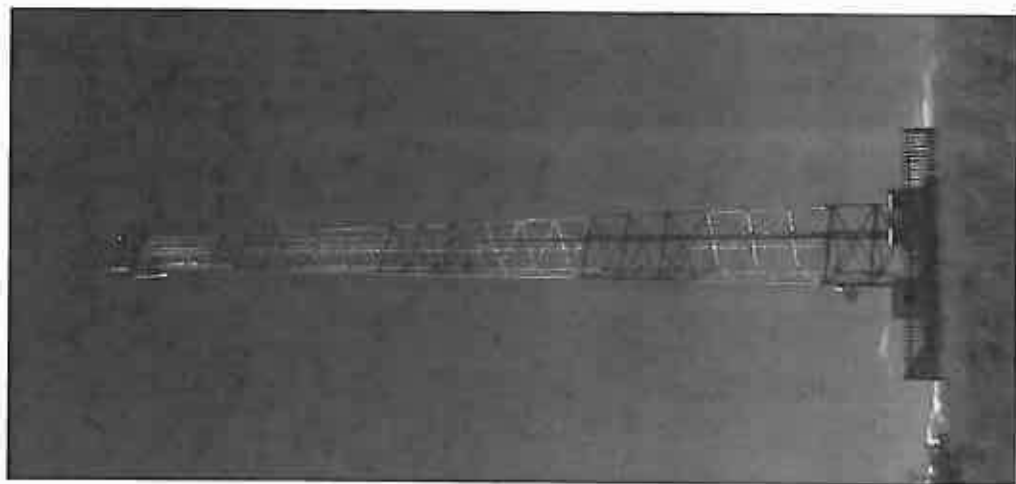
REG NO:  
 152968

PROJECT NUMBER  
 120187

DRAWN: HANS V D WALT  
 SCALE: NTS

DATE: 16/11/2011  
 REF NO: 812279511

FACILITY ILLUSTRATION  
 SHEET 11 OF 11



TYPICAL 3 LEGGED LATTICE MAST  
 (PAINTED RED AND WHITE)

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

(with an insurance option/met 'n versekeringsopsie)

T9511



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

Full tracking and tracing/Volledige volg en spoor

Addressed to/Geadresseer aan  
 Highflats Boarding (Pty) Ltd  
 P.O. Box 210

Ermelo 2350 Postcode  
 Poskode

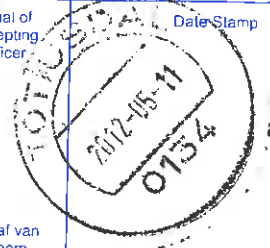
The value of the contents of this letter is as indicated and compensation is not payable for a letter received unconditionally. Compensation is limited to R100.00. No compensation is payable without documentary proof. Optional insurance up to R2 000.00 is available and applies to domestic registered 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 nie. Vergoeding is beperk tot R100.00. Geen vergoeding is sonder dokumentêre bewys betaalbaar nie. Opsionele versekering tot R2 000.00 is beskikbaar en is slegs op tinnelands geregistreerde briewe van toepassing.

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

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

Initial of accepting officer  
 Date Stamp



Affix Track and Trace  
**REGISTERED LETTER**  
 (with a domestic insurance option)  
 ShareCall 0800 111 502 www.sapo.co.za  
 RD 748 008 722 ZA

CUSTOMER COPY 301028R

Paraaf van aanneembeppte  
 Datumstempel

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

(with an insurance option/met 'n versekeringsopsie)

T9511



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

Full tracking and tracing/Volledige volg en spoor

Addressed to/Geadresseer aan  
 Lion Match Forestry (Pty) Ltd  
 P.O. Box 918

Durban 4000 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 nie. Vergoeding is beperk tot R100.00. Geen vergoeding is sonder dokumentêre bewys betaalbaar nie. Opsionele versekering tot R2 000.00 is beskikbaar en is slegs op tinnelands geregistreerde briewe van toepassing.

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

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

Initial of accepting officer  
 Date Stamp



Affix Track and Trace  
**REGISTERED LETTER**  
 (with a domestic insurance option)  
 ShareCall 0800 111 502 www.sapo.co.za  
 RD 748 008 719 ZA

CUSTOMER COPY 301028R

Paraaf van aanneembeppte  
 Datumstempel

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

(with an insurance option/met 'n versekeringsopsie)

T9511



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

Full tracking and tracing/Volledige volg en spoor

Addressed to/Geadresseer aan  
 Mr. J.P. Olliers  
 P.O. Box 423

Lothair 2370 Postcode  
 Poskode

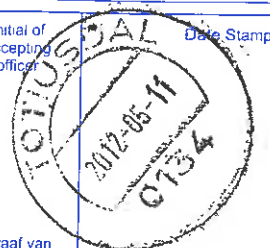
The value of the contents of this letter is as indicated and compensation is not payable for a letter received unconditionally. Compensation is limited to R100.00. No compensation is payable without documentary proof. Optional insurance up to R2 000.00 is available and applies to domestic registered 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 nie. Vergoeding is beperk tot R100.00. Geen vergoeding is sonder dokumentêre bewys betaalbaar nie. Opsionele versekering tot R2 000.00 is beskikbaar en is slegs op tinnelands geregistreerde briewe van toepassing.

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

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

Initial of accepting officer  
 Date Stamp



Affix Track and Trace  
**REGISTERED LETTER**  
 (with a domestic insurance option)  
 ShareCall 0800 111 502 www.sapo.co.za  
 RD 748 008 696 ZA

CUSTOMER COPY 301028R

Paraaf van aanneembeppte  
 Datumstempel

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

T9511



(with an insurance option / met 'n versekeringsopsie)

Full tracking and tracing/Volledige volg en spoor

Addressed to/Geadresseer aan

SAHRA  
P O Box 4637  
Cape Town

8000 Postcode  
Postkode

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

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

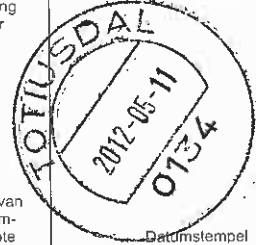
Postage paid R \_\_\_\_\_ c  
Service fee / Diensgeld R \_\_\_\_\_ c  
Insurance / Versekering R \_\_\_\_\_ c  
Total / Totaal R \_\_\_\_\_ c

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

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

Initial of  
accepting  
officer

Date Stamp



Affix Track and Trace

REGISTERED LETTER  
(with a domestic insurance option)  
ShareCall 0860 111 502 www.sapp.co.za

RD 748 008 682 ZA

CUSTOMER COPY 301028R

Paraaf van  
aaneem-  
beample

Datumstempel

701381

Our Reference:  
T9511 / 17/2/3 GS - 89

Your Reference:

17 May 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@torbiousolutions.co.za](mailto:admin@torbiousolutions.co.za)

**DEAR SIR/MADAM**

**INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (A) & (B) : II (EE) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON REMAINING EXTENT PORTION 3 OF THE FARM HIGHFLATS 252 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 Remaining Extent of Portion 3 of the Farm Highflats 252 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 - 89

Regulation 546 activity 3 (a) & (b) : ii (ee) : Establishment of an enclosed telecommunication base station with a 54m mast for MTN (Pty) Ltd: T9511 Highflats

Location: Remaining Extent Portion 3 of the farm Highflats 252 IT

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

Alternative 1: Latitude: 26° 28' 11.69" S Longitude: 30° 31' 13.74" E  
(Lattice type mast painted red and white)

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

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

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

### Applicant:

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

### Environmental Assessment Practitioner (EAP):

Torbouse Solutions CC.

P.O. Box 32017, Totiusdal, 0134

Attention: W A van't Foort

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

E-mail: admin@torbousesolutions.co.za

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

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

Notice publication date:

17 May 2012

## UHLELO LOKUHLANGANYELA KOMPHEKATHI

INOMBOLO YEREFERENSI: 17/2/3 GS - 89

Umyalelo womthetho 546 umsebenzi 3 (a) & (b) : ii (ee) : Isakhiwo esiyisizinda sezokuxhumana ngocingo esivalekile se-MTN (Pty) Ltd ene-mast engama-54m kanye nendawo (nezindawo) yokubeka impahla: T9511 Highflats

Indawo: Remaining Extent Portion 3 of the farm Highflats 252 IT

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

Esihlukile 1: Ububanzi: 26° 28' 11.69"S Ubude: 30° 31' 13.74"E  
Induku ye-lattice ependwe ngokubomvu nokumhlophe

Ngalokhu kunikezwa isaziso senqubo yokubamba iqhaza komphakathi ngokuhambisana Nemithetho Yokuhlola Umthelela Wamandla Kwezenhlobo (i-Environmental Impact Assessment Regulations) ka-2010 (R543) njengoba ichibiyelwe yamnyezelwa 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 akhululiwe 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.

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

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

kuqondiswe ku- W A van't Foort

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

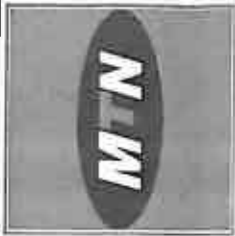
i-e-meyili: admin@torbousesolutions.co.za

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

Usuku lokushicilelwa kweSaziso:

17 May 2012





1767 Pretorius Street,  
 Block B, Houtboskloof Complex,  
 Farnham, 0082  
 T: +27 (0)11 242 2000  
 F: +27 (0)11 242 0000  
 Pretorius 148  
 Private Bag 213  
 Houtboskloof  
 Farnham, 0082

SITE NAME  
**HIGHFLATS**

BASE STATION NUMBER  
**T9511**

REV	DATE	BY	DESCRIPTION
A	18/11/2011	HV	FIRST ISSUE

NOTES  
 OWNER: VAN DER LINDE GEMERIEDE PHILIPUS JOHANNES

STRICTLY COMPANY CONFIDENTIAL  
 PORTION 3 (REMAINING EXTENT)  
 OF THE FARM HIGHFLATS 252 IT

COORDINATE  
 LAT: 28° 28' 11.00" S  
 LONG: 30° 31' 13.74" E

PROJECT  
 NEW 90m TELECOMMUNICATION BASESTATION  
 WITH A LATTICE MAST FOR MTR (PTV) LTD

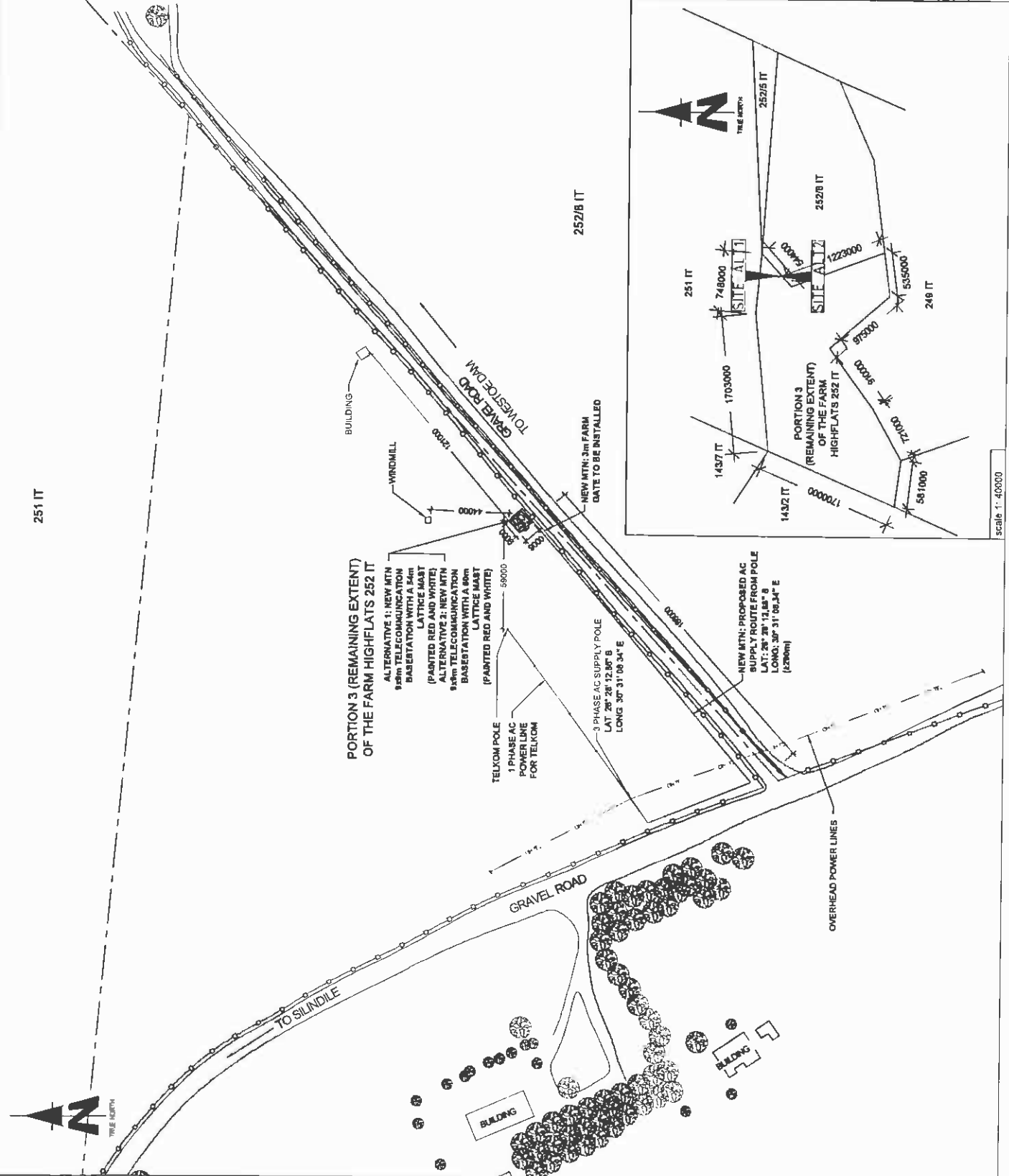
ADDRESS  
 OFF THE R33 TONARDS LOTHAR  
 MSJUNALUSWA  
 GERT SIBANDE  
 MPUMALANGA

INFRASTRUCTURE  
 PLANNING SERVICES  
**IPS**

4-11 Rennie Road  
 Johannesburg  
 T: +27 (0)11 242 2000  
 F: +27 (0)11 242 0000  
 P.O. Box 32017  
 Johannesburg  
 0154

REG. NO.  
 1528848  
 PROJECT NUMBER  
 120167  
 DRAWINGS MUST NOT BE CALLED ONLY DIMENSIONS TO BE  
 USED DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT  
 OF WORK.  
 ALL WORK TO BE DONE IN ACCORDANCE TO MTR SITE  
 INFRASTRUCTURE PLANNING SERVICES (MTR)  
 SCALE 1 NOVEMBER 0 NOVEMBER 2007  
 DRANN HANS V D WALT DATE 18/11/2011  
 SCALE 1:2000 REF NO 81278511

SITE DEVELOPMENT PLAN  
 SHEET 3 OF 11



251 IT

PORTION 3 (REMAINING EXTENT)  
 OF THE FARM HIGHFLATS 252 IT  
 ALTERNATIVE 1: NEW MTR  
 90m TELECOMMUNICATION  
 BASESTATION WITH A 40m  
 LATTICE MAST  
 (PAINTED RED AND WHITE)  
 ALTERNATIVE 2: NEW MTR  
 90m TELECOMMUNICATION  
 BASESTATION WITH A 60m  
 LATTICE MAST  
 (PAINTED RED AND WHITE)

TELKOM POLE  
 1 PHASE AC  
 POWER LINE  
 FOR TELKOM

3 PHASE AC SUPPLY POLE  
 LAT: 28° 28' 12.80" S  
 LONG: 30° 31' 08.34" E

NEW MTR: PROPOSED AC  
 SUPPLY ROUTE FROM POLE  
 LAT: 28° 28' 12.80" S  
 LONG: 30° 31' 08.34" E  
 (220mm)



scale 1:40000



TYPICAL 3 LEGGED LATTICE MAST  
(PAINTED RED AND WHITE)



1357 Persada Street  
13th Floor  
Ampang, 05053  
Tel: +27 (0) 833 2003  
Fax: +27 (0) 833 2005  
www.mtn.com

Private Mail, 408  
Private Bag 115  
Johannesburg, 2008

SITE NAME

HIGHFLATS

BASE STATION NUMBER

T8511

REV	DATE	BY	DESCRIPTION
A	18/12/2011	MV	FIRST ISSUE

NOTES

OWNER: VAN DER LINDE GERMARDUS PHILIPPUS JOHANNES

STRICTLY COMPANY CONFIDENTIAL  
PROPERTY DESCRIPTION  
PORTION 3 (REMAINING EXTENT)  
OF THE FARM HIGHFLATS 231 JT

COORDINATES

LAT: 28° 28' 11.00" S

LONG: 30° 31' 13.74" E

PROJECT

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

ADDRESS

OFF THE R33 TOWARDS LOTHAIR  
MEUKALONGA  
BERT SIBONDE  
MPOBALANGA



414 Bains Road  
Pretoria  
Tel: +27 (0) 834 18448  
Fax: +27 (0) 834 7003  
www.infrastructure.com

REG NO

152008

PROJECT NUMBER

120187

DRAWING MUST NOT BE RECALLED. ONLY DIMENSIONS TO BE  
USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT  
OF WORK.  
ALL WORK TO BE PERFORMED ACCORDING TO MTN BFM BTE  
INFRASTRUCTURE SPECIFICATION NUMBER  
ISSUE 1 (REVISION 0 NOVEMBER 2007)

DRAWN: HANS V.D. WALT

DATE: 18/12/2011

SCALE: NTS

REF. NO: 81278911

FACILITY ILLUSTRATION

SHEET 11 OF 11

**G1(c) – SACAA Approval**



Physical Address:  
Ikhaya Lokundiza  
Treur Close  
Waterfall Park  
Bekker Street  
Midrand

Postal Address:  
Private Bag X1  
Halfway House  
1685

Telephone Number:  
+27 11 545 1232  
  
Fax Number:  
+27 11 545 1451

E-mail Address:  
obstacles@caa.co.za  
  
Website Address:  
www.caa.co.za

CP

**OBSTACLE FOR APPROVAL** CAA Obstacle ID: **CAA\_2012\_8\_001**

**APPLICANT**

Contact Person: Asha Govender  
Company Name: Mobile Telephone Networks (Pty) Lt  
Phone Number: (011) 912-3000  
Cell Number: (083) 212-4863  
Email address: Govend\_A@mtn.co.za  
VATNumber: 4630140434  
Address: MTN Innovation Center, 216 14th A  
City: Roodepoort  
State: Gauteng  
ZipCode: 2195

**OWNER**

CompanyName: Mobile Telephone Networks (Pty) Ltd  
ContactPerson: Asha Govender  
PhoneNumber: (011) 912-3000  
CellNumber: (083) 212-4863  
Email: Govend\_A@mtn.co.za

**DETAILS OF PROPOSED STRUCTURE**

Type of Structure: Tower  
Construction Start Dat:   
Site ID Number: T9511  
Construction End Date:   
Site Name: Highflats

Lat_degree: 26	Lat_minute: 28	Lat_seconds: 11.69
Long_degree: 30	Long_minute: 31	Long_seconds: 13.74

Site Elevation_m: 1641	Coordinate Data Source: Handheld GPS (non surv)
Structure Heigh_m: 54	Coordinate Other:
Sub Structure Heigh_m: 0	
Height to top of Structure_m: 1695	Elevation Data Source: Handheld GPS (non surv)
GuyWireJib_nr:	Elevation Other:

Datum:

Type of Application: Replacement  Shared  New  Application Date: 01/08/2012  
Received Date: 31/08/2012

Notes:  This application replaces approval ID: CAA\_2012\_1\_124Coordinates changed

Conditions: None   
DayMarkings   
NightMarkings   
DayNightMarkings   
OtherSpecial

Attached Documents:  
 SurveyReport  
 SketchDiagram  
 GISCoverage  
 Other

Approved	Not Approved
 Koos Pretorius Act. Manager: A.O.G. Date: 12/08/2012 APPROVED	Date

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



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

Our Reference:  
T9511 Highflats

Your Reference:  
17/2/3GS-89

11 September 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

Attention: **Mr Bheki Mndawe**  
Fax No: 072 814 5409  
E-mail: bemndawe@mpg.gov.za



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

414 Rustic Road  
Silvertondale, 0184  
Pretoria

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

Dear Sir,

**MOTIVATION FOR EXEMPTION FROM ASSESSING ALTERNATIVES IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 ("NEMA") AS AMENDED TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION MAST ON PORTION 3 (REMAINING EXTENT) OF THE FARM HIGHFLATS 252 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 3 (Remaining Extent) of the farm Highflats 252 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, the only feasible design alternative that is considered as Alternative 2 in the Basic Assessment Report, is a 60m high lattice mast painted red & white. 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:**

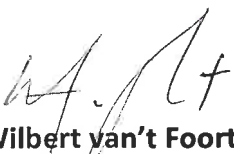
MTN Kathrein directional antennae (x3) and 600mm Microwave dish to be placed at top of mast. Telecommunications directional antennae (x6) to be placed underneath the dish antennae by possible future share parties. MTN mini-D equipment container (with extension) to be placed on ground level under the mast. Telecommunication equipment container to be placed next to MTN container under mast. 2 New MTN standard concrete manholes 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 (Alt1) or 60m (Alt2) 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: Torbiouse Solutions cc**