

Appendix A: Site Plans



2001 Pekaia Street
 Sandton, Johannesburg
 2013
 Tel: +27 (0) 11 501 1000
 Fax: +27 (0) 11 501 1000
 P.O. Box 32017
 Sandton, Johannesburg
 2014

SITE NAME
 GRASDAL FARM

BASE STATION NUMBER
 T8954

REV	DATE	BY	DESCRIPTION
A	24/11/2011	HM	FIRST ISSUE

NOTES
 OWNER: HEUVENDEN TRUST

PROPERTY DESCRIPTION
 STRICTLY COMPANY CONFIDENTIAL
 PORTION 1 OF THE FARM GRASDAL 84 IT

COORDINATES
 LAT 28° 18' 18.80" S
 LONG 30° 21' 01.01" E

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

ADDRESS
 OFFICE ON THE RIGHT HAND SIDE CHRISSEMEER,
 GRASDAL FARM,
 MPUTUMALANGA



414 Pekaia Street
 Sandton, Johannesburg
 2014
 Tel: +27 (0) 11 501 1000
 Fax: +27 (0) 11 501 1000
 P.O. Box 32017
 Sandton, Johannesburg
 2014

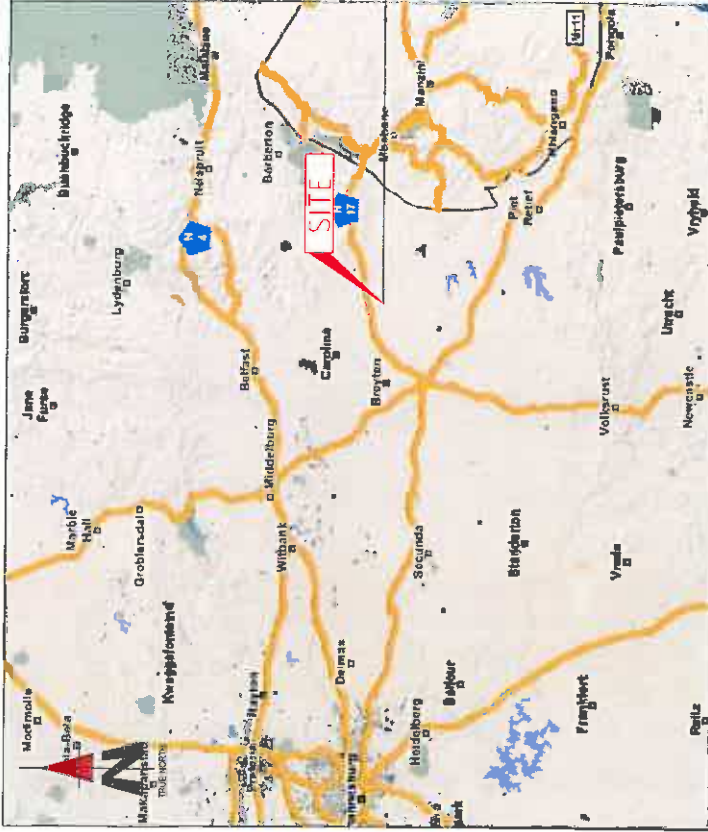
PROJECT NUMBER
 151645
 115054

DISCLAIMER
 DRAWINGS MUST NOT BE USED, ONLY QUALIFIED ENGINEERS TO BE
 USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT
 OF WORK.
 ALL WORK TO BE PERFORMED ACCORDING TO MTN SITE SITE
 INFRASTRUCTURE SPECIFICATION RPH11/091
 DATE 1 NOVEMBER 2007

DRAWN HEINRICK MAKINTA | **DATE** 24/11/2011
SCALE NTS | **REF. NO.** 8127/0954

LOCALITY MAP
 SHEET 1 OF 9

T8954
GRASDAL FARM





1577 Pheasant Drive
 4th & 5th Avenue Complex
 Harare, ZIMBABWE
 Tel: +273 (0) 242 2000
 Fax: +273 (0) 242 2000
 www.mtn.co.zw

SITE NAME: GRASDAL FARM

BASE STATION NUMBER: T8954

REV	DATE	BY	DESCRIPTION
A	24/11/2011	HM	FIRST ISSUE

NOTES:
 OWNER: MELVERDINO TRUST

STRICTLY COMPANY CONFIDENTIAL
 PORTION 1 OF THE FARM GRASDAL 84 IT

COORDINATES:
 LAT: 20° 19' 10.80" S
 LONG: 30° 21' 01.01" E

PROJECT:
 NEW 800m TELECOMMUNICATION BASESTATION WITH
 A 5m LATTICE MAST FOR MTN (PTY) LTD

ADDRESS:
 OFF R17 ON THE RIGHT HAND SIDE CHRISBESHEER,
 GRASDAL FARM,
 MUPFALONGA

INFRASTRUCTURE PLANNING SERVICES

IPS

414 Bush Road
 Harare, Zimbabwe
 Tel: +273 (0) 242 1800
 Fax: +273 (0) 242 1807
 www.ipsinfra.com

P.O. Box 2017
 Tlokeleng
 0134

PROJECT NUMBER: 115054

DRAWINGS MUST NOT BE SCALED. ONLY DIMENSIONS TO BE USED. DIMENSIONS TO BE VERIFIED CORRESPONDENT TO WORK.

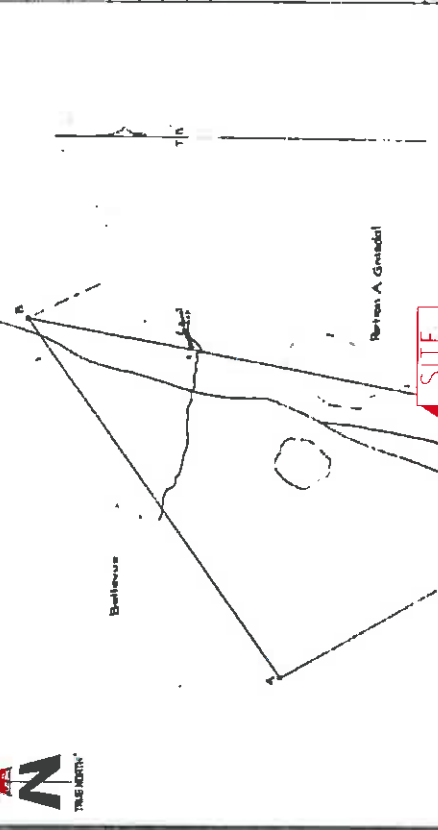
ALL WORK TO BE PERFORMED ACCORDING TO MTS 878 SITE INFRASTRUCTURE SPECIFICATION (MPL11/08)
 ISSUE 1 (REVISION 8 NOVEMBER 2007)

CSAWN HENDRICK MAKINTA | DATE: 24/11/2011
SCALE: 1:10 | REF: NO: 813078954
CADASTRAL INFO
SHEET 2 OF 8

80. No. A. 51143/14

Formed in the Surveyor General's Office Harare from the original plan of this survey signed by the Surveyor

SECTION	AREA	1:10 CO-ORDINATE (M)
1	1000.00	1000.00
2	1000.00	1000.00
3	1000.00	1000.00
4	1000.00	1000.00
5	1000.00	1000.00
6	1000.00	1000.00
7	1000.00	1000.00
8	1000.00	1000.00
9	1000.00	1000.00
10	1000.00	1000.00
11	1000.00	1000.00
12	1000.00	1000.00
13	1000.00	1000.00
14	1000.00	1000.00
15	1000.00	1000.00
16	1000.00	1000.00
17	1000.00	1000.00
18	1000.00	1000.00
19	1000.00	1000.00
20	1000.00	1000.00
21	1000.00	1000.00
22	1000.00	1000.00
23	1000.00	1000.00
24	1000.00	1000.00
25	1000.00	1000.00
26	1000.00	1000.00
27	1000.00	1000.00
28	1000.00	1000.00
29	1000.00	1000.00
30	1000.00	1000.00
31	1000.00	1000.00
32	1000.00	1000.00
33	1000.00	1000.00
34	1000.00	1000.00
35	1000.00	1000.00
36	1000.00	1000.00
37	1000.00	1000.00
38	1000.00	1000.00
39	1000.00	1000.00
40	1000.00	1000.00
41	1000.00	1000.00
42	1000.00	1000.00
43	1000.00	1000.00
44	1000.00	1000.00
45	1000.00	1000.00
46	1000.00	1000.00
47	1000.00	1000.00
48	1000.00	1000.00
49	1000.00	1000.00
50	1000.00	1000.00



SCALE: 1:10

TRUE NORTH

GRID COORDINATE

GRID NORTH

GRID EAST

GRID SOUTH

GRID WEST

GRID NORTH

GRID SOUTH

GRID EAST

GRID WEST

GRID NORTH

GRID SOUTH

GRID EAST

GRID WEST

The above diagram shows ABC of the farm GRASDAL No 179, bounded by the following:

North: The State of Zimbabwe

East: The State of Zimbabwe

South: The State of Zimbabwe

West: The State of Zimbabwe

The above diagram shows ABC of the farm GRASDAL No 179, bounded by the following:

North: The State of Zimbabwe

East: The State of Zimbabwe

South: The State of Zimbabwe

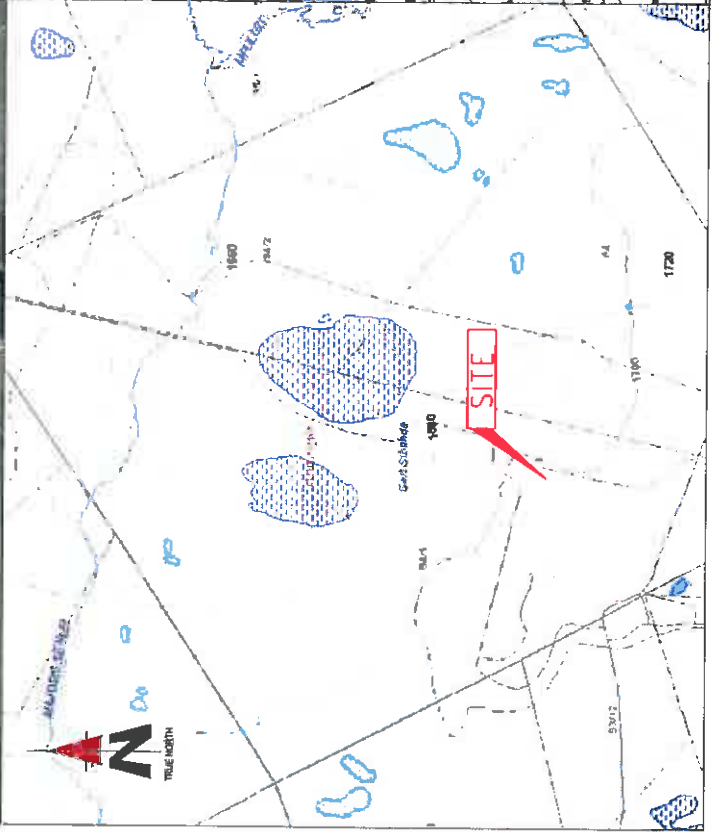
West: The State of Zimbabwe

DATE: 24/11/2011

BY: CSAWN HENDRICK MAKINTA

SCALE: 1:10

REF: NO: 813078954





1871 Ploegher Street
 Midrand, 1601
 Gauteng, 2008
 Tel: +27 (0)11 545 5000
 Fax: +27 (0)11 545 5000
 Project No: 1110
 Issue No: 1

SITE NAME
GRASDAL FARM

BASE STATION NUMBER
T8954

REV	DATE	BY	DESCRIPTION
A	24/11/2011	PM	FRST ISSUE

NOTES
OWNER: MELWIND TRUST

PROPERTY DESCRIPTION
STRICTLY COMPANY CONFIDENTIAL
PORTION 1 OF THE FARM GRASDAL 94 IT

COORDINATES
LAT 20° 18' 16.80" S
LONG 30° 21' 01.01" E

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

ADDRESS
OFF 17 ON THE RIGHT HAND SIDE CHRISBEEMER, GRASDAL FARM, MPMALANGA



414 Randa Road
 Midrand, 1601
 Gauteng, 2008
 Tel: +27 (0)11 804 1804
 Fax: +27 (0)11 804 1804
 Email: info@ipsafrica.co.za

P.O. Box 20977
 Centurion
 7514

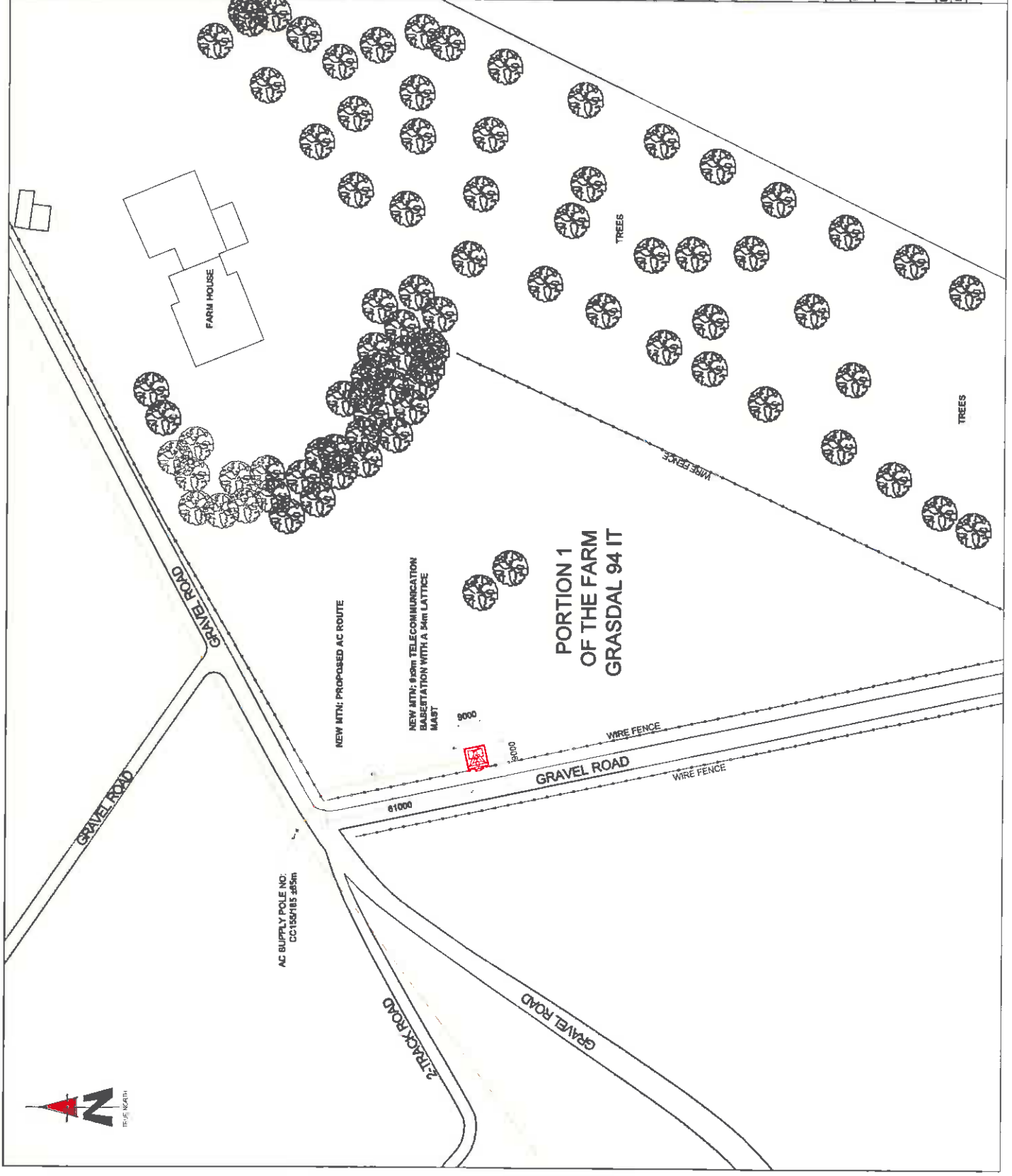
RFO NO.
181896

PROJECT NUMBER
118954

DRAWN: HENDRICK MAKANTA | **DATE:** 24/11/2011
SCALE: 1:1500 | **REF. NO.:** 812/18954

DISCLAIMER: THIS DRAWING MUST NOT BE SCALED. ONLY DIMENSIONS TO BE USED. DIMENSIONS TO BE VERIFIED BEFORE COMMENCEMENT OF WORK.
 ALL WORK TO BE PERFORMED ACCORDING TO MTN SITE INFRASTRUCTURE SPECIFICATION (M01/10/11) ISSUE 1 (REVISION 9 NOVEMBER 2007)

SITE DEVELOPMENT PLAN
SHEET 3 OF 9





2007 Mt N: 90m Telecommunication Base Station with a 54m Lattice Mast
 Project No: 151886
 Project Name: 90m Telecommunication Base Station with a 54m Lattice Mast
 Project No: 151886
 Project Name: 90m Telecommunication Base Station with a 54m Lattice Mast

MTN

Tel: +27 (0) 21 521 0000
 Fax: +27 (0) 21 521 0000

2007 Mt N: 90m Telecommunication Base Station with a 54m Lattice Mast
 Project No: 151886
 Project Name: 90m Telecommunication Base Station with a 54m Lattice Mast

GRASDAL FARM

BASE STATION NUMBER: T8954

REV	DATE	BY	DESCRIPTION
A	24/11/2011	HM	FIRST ISSUE

NOTES

OWNER: WELVERDEND TRUST

STRICTLY COMPANY CONFIDENTIAL

PROPERTY DESCRIPTION: PORTION 1 OF THE FARM GRASDAL 94 IT

COORDINATES

LAT: 29° 18' 18.90" S
 LONG: 30° 21' 01.01" E

PROJECT

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

ADDRESS

OFF N17 ON THE RIGHT HAND SIDE CHRISBIEBEEER, GRASDAL FARM, MUPUMALANGA

INFRASTRUCTURE PLANNING SERVICES

IPS

151886

DATE: 24/11/2011

SCALE: 1:1500

REF: NO: 81278864

CURRENT LAND USE

SHEET 4 OF 9

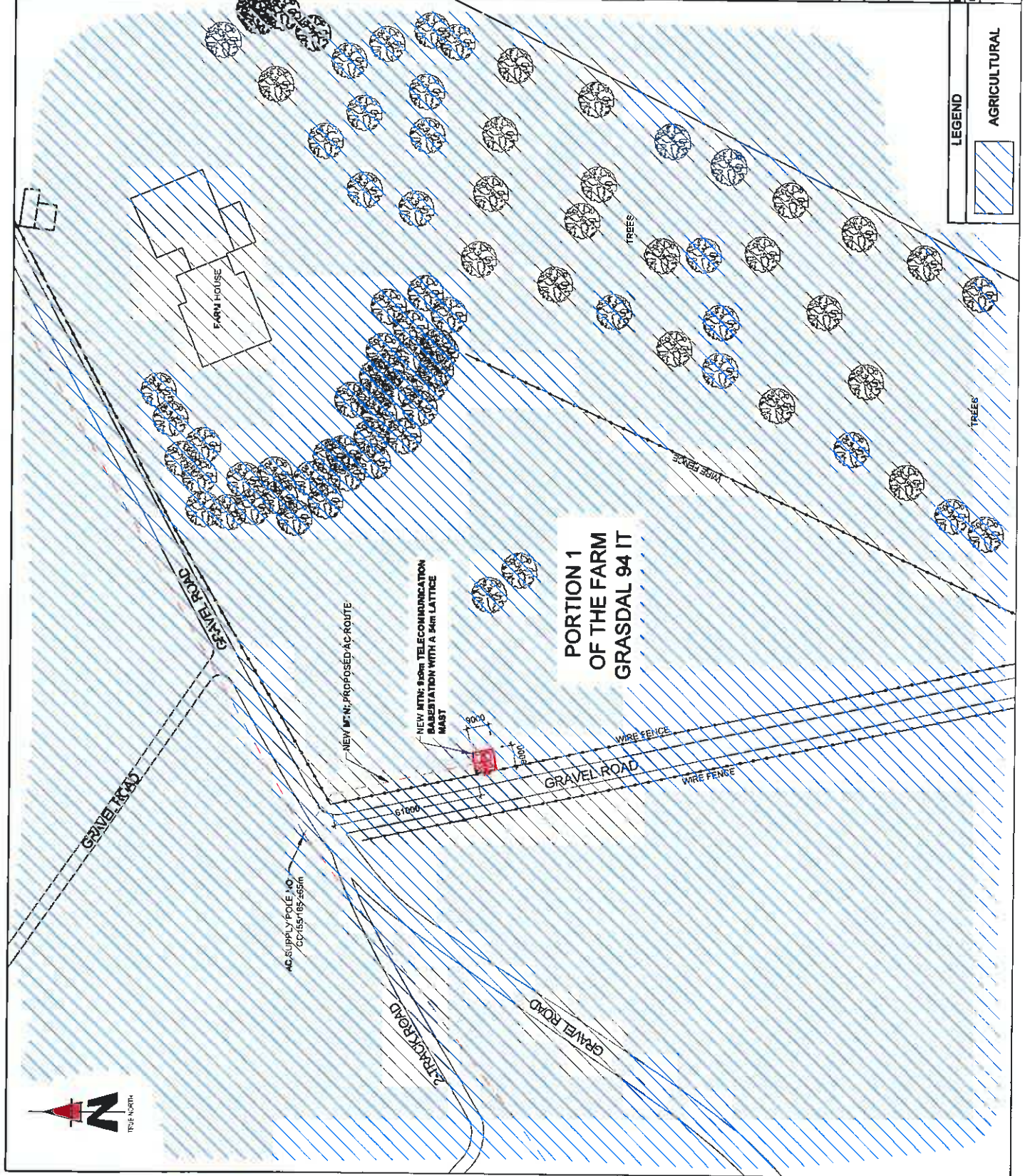
DRAWN: HENDRICK MAKINTA

SCALE: 1:1500

REF: NO: 81278864

LEGEND

AGRICULTURAL





1207 Protea Blvd.
Block 8, Helderberg Complex
Helderberg, 2009

Tel: +27 (0) 11 40 7000
Fax: +27 (0) 11 40 2000

Postal Code: 2009
Private Bag: 219
Maboneng

SITE NAME

GRASDAL FARM

BASIC STATION NUMBER

T8954

REV	DATE	BY	DESCRIPTION
A	24/11/2011	HM	FIRST ISSUE

NOTES

OWNER: MELVENDERO TRUST

STRICTLY COMPANY CONFIDENTIAL

PROPERTY DESCRIPTION

PORTION 1 OF THE FARM GRASDAL 94 IT

COORDINATES

LAT: 28° 18' 16.90" S
LONG: 30° 21' 01.01" E

PROJECT

NEW 900M TELECOMMUNICATION BASESTATION WITH
A 56M LATTICE MAST FOR MTN (PTY) LTD

ADDRESSES

OFF 117 ON THE RIGHT HAND SIDE CHRISSEMEER,
GRASDAL FARM,
MUFUNALANGA

INFRASTRUCTURE
PLANNING SERVICES



414 Pekaia Road
Glenwood, 2004
Tel: +27 (0) 21 694 1204/9
Fax: +27 (0) 21 694 1272
www.infrastructure.com

P.O. Box 20017
Toll-free
0114

RFID NO

151868

PROJECT NUMBER

115054

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

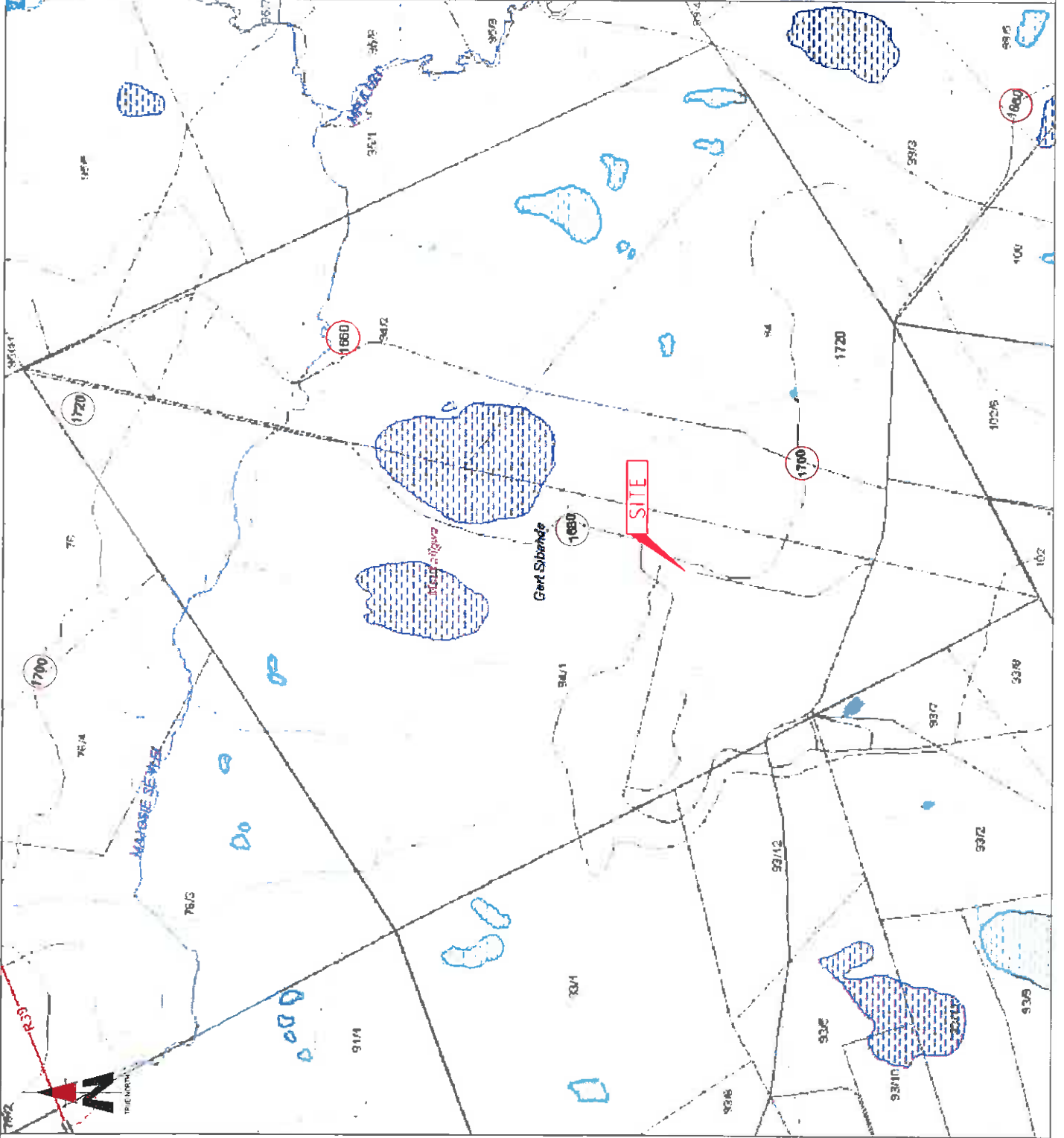
ALL WORK TO BE PERFORMED ACCORDING TO MTN 878 978
RFID NO 151868 (REVISED 15/01/2011)
MUSE 1 (REVISED 10 NOVEMBER 2007)

DRAWN: HENDRICK MADANTA | DATE: 24/11/2011

SCALE: NTS

REF. NO: 81278854

CONTOUR INTERVAL
SHEET 5 OF 9



Appendix B: Site Photographs



1287 Promenade Drive
 4th Floor
 Harare, Zimbabwe
 Tel: +27 (0)3 542 0000
 Fax: +27 (0)3 542 0000
 Mobile: +27 73 600 1300

1287 Promenade Drive
 4th Floor
 Harare, Zimbabwe
 Tel: +27 (0)3 542 0000
 Fax: +27 (0)3 542 0000
 Mobile: +27 73 600 1300

SITE NAME		GRASDAL FARM	
BASE STATION NUMBER		T8954	
REV	DATE	BY	DESCRIPTION
A	24/11/2011	HM	FIRST ISSUE

NOTES
 OWNER: WELVEDOND TRUST

PROPERTY DESCRIPTION
 PORTION 1 OF THE FARM GRASDAL 94 IT

COORDINATES
 LAT: 20° 16' 18.90" S
 LONG: 30° 21' 01.01" E

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

ADDRESS
 OFF N17 ON THE RIGHT HAND SIDE CHRISSEBAEER,
 GRASDAL FARM,
 MPUMALANGA



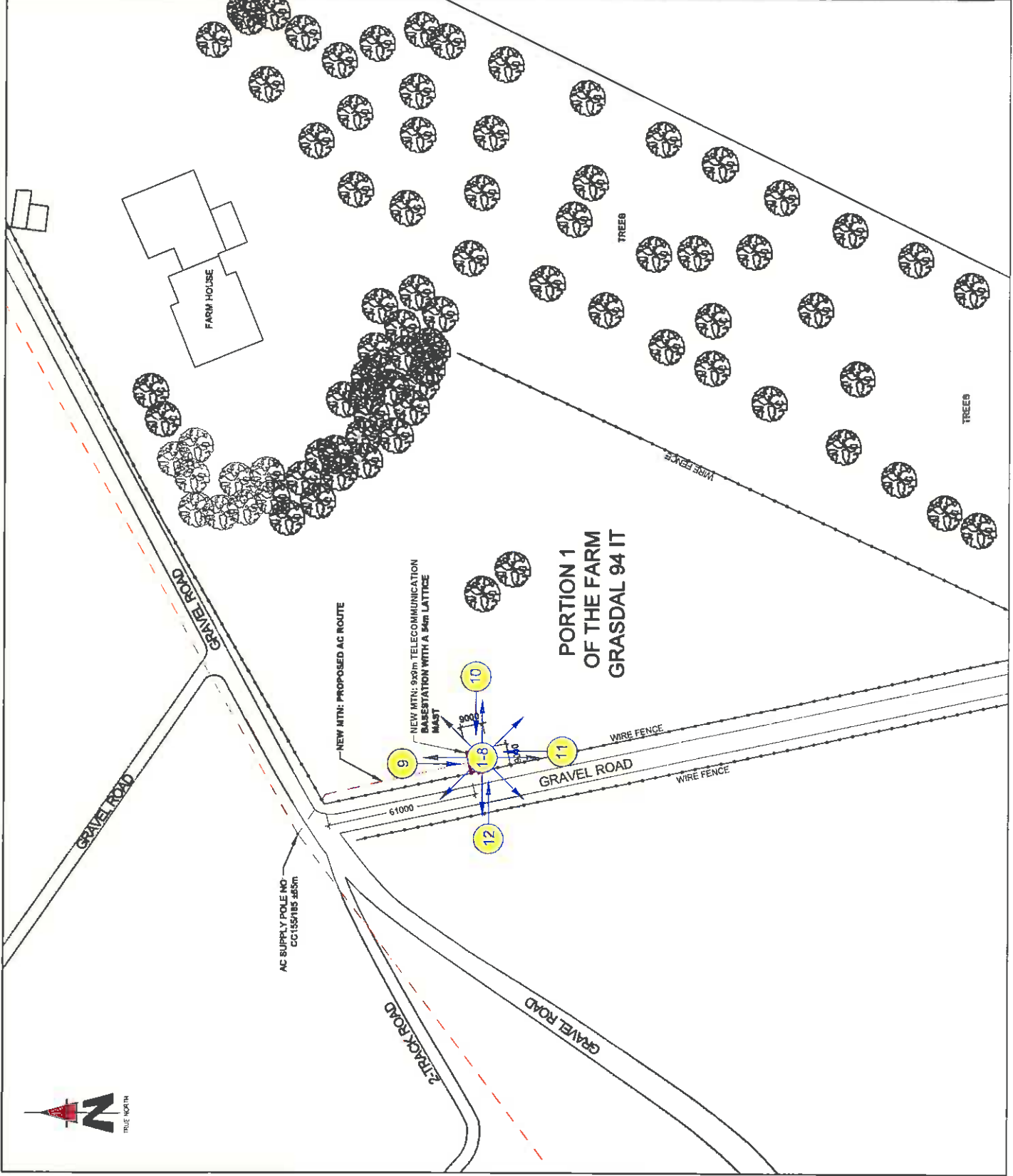
4th Floor, Promenade Drive
 4th Floor
 Harare, Zimbabwe
 Tel: +27 (0)3 542 0000
 Fax: +27 (0)3 542 0000
 Mobile: +27 73 600 1300

P.O. Box 20517
 Harare, Zimbabwe
 0104

RFC NO. 151680
 PROJECT NUMBER 115054

DRAWN: HENDRICK MANDOTA
 DATE: 24/11/2011
 SCALE: 1:1500
 REF. NO: 812/18954

DRAWINGS MUST NOT BE RECALCULATED. ONLY DIMENSIONS TO BE USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT OF WORK.
 ALL WORK TO BE PERFORMED ACCORDING TO MTN SITE INFRASTRUCTURE SPECIFICATION R9911/091 ISSUE 1 REVISION 9 NOVEMBER 2007



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. View on base station position direction West

SITE PHOTOGRAPHS



13. General view on site establishment area

Appendix C: Facility Illustrations



1187 Plover Road
 Midrand, Johannesburg
 Tel: +27 (0) 21 242 2000
 Fax: +27 (0) 21 242 2008
 Project No: 1187
 Project Name: GRASDAL FARM

SITE NAME
GRASDAL FARM

BASE STATION NUMBER
T8954

REV	DATE	BY	DESCRIPTION
A	24/11/2011	KM	FRST ISSUE

NOTES
 OWNER: WELVEDERD TRUST

PROPERTY DESCRIPTION
 STRICTLY COMPANY CONFIDENTIAL
 PORTION 1 OF THE FARM GRASDAL 84 IT

COORDINATES
 LAT: 30° 16' 48.80" S
 LONG: 30° 21' 01.81" E

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

ADDRESS:
 OFF N17 ON THE RIGHT HAND SIDE CHRISSE BAEER,
 GRASDAL FARM,
 MPLUMALANGA



414 Plover Road
 Midrand, Johannesburg
 Tel: +27 (0) 21 242 2000
 Fax: +27 (0) 21 242 2008
 P.O. Box: 2017
 Midrand, 1711

RFC NO
151896

PROJECT NUMBER
11894

DATE
24/11/2011

SCALE
1:75

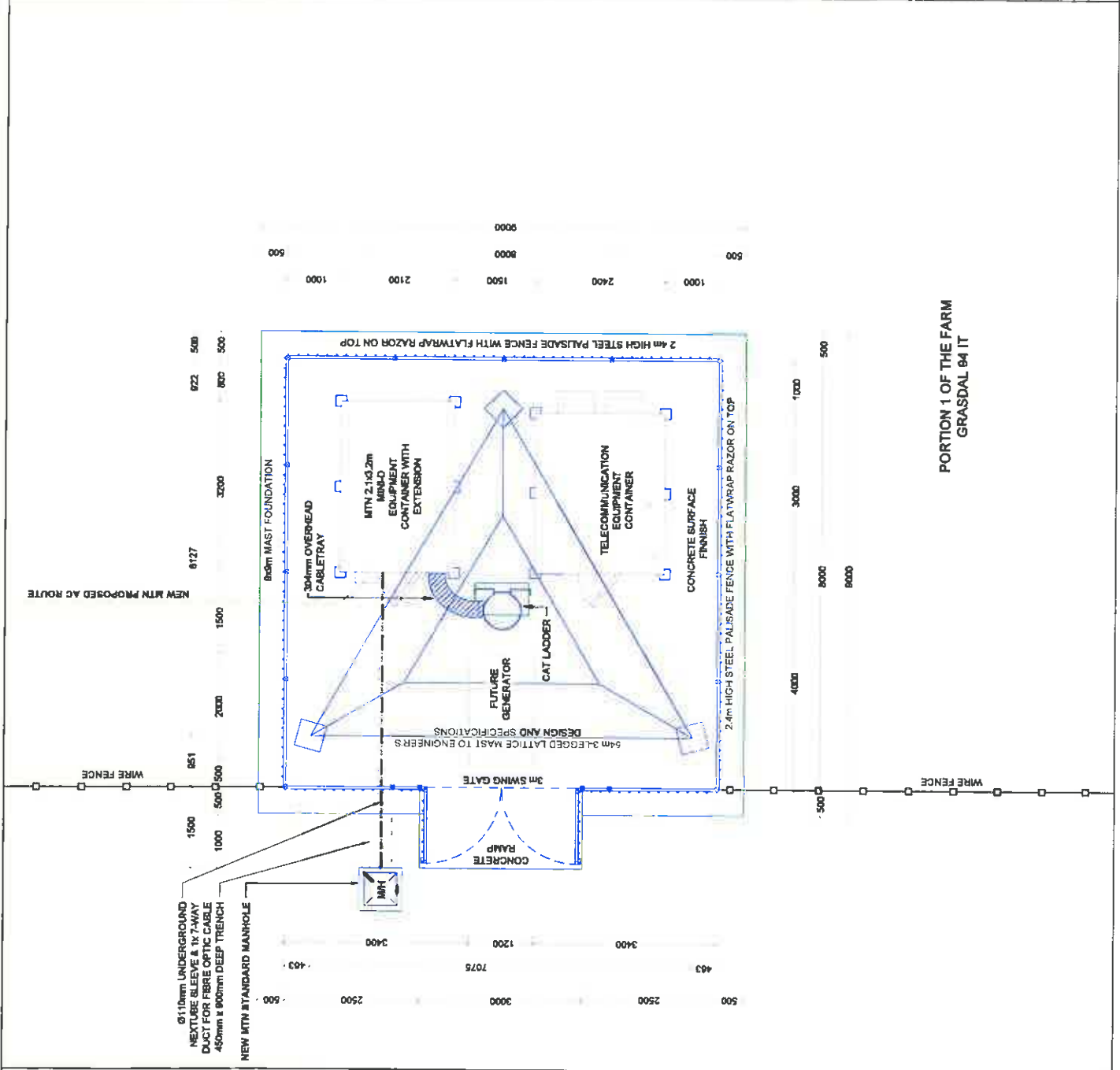
REF. NO
91278954

DRAWN
HENDRICK MARIËTJA

DATE
24/11/2011

REF. NO
91278954

SITE DETAIL
SHEET 7 OF 9



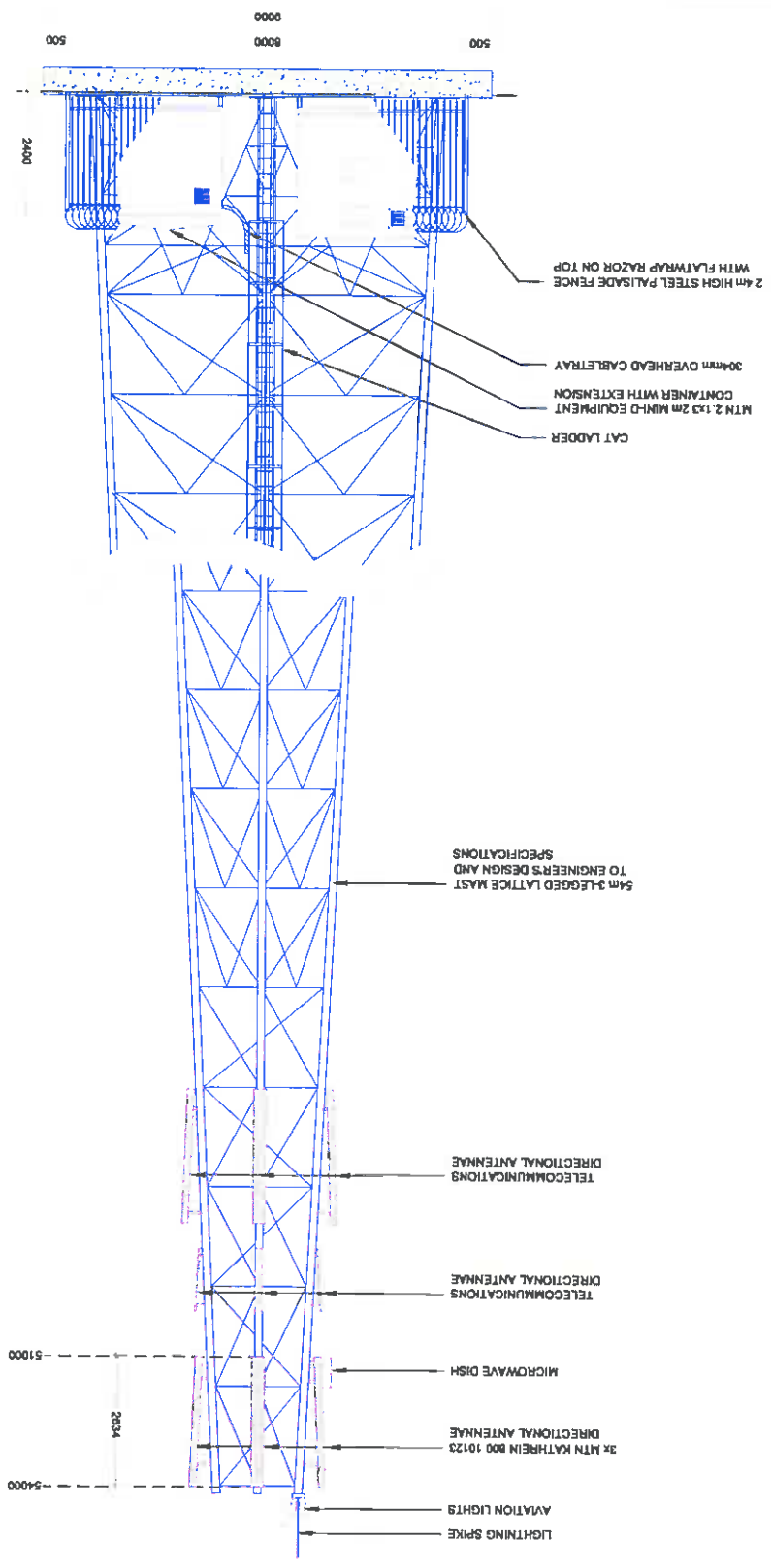
**PORTION 1 OF THE FARM
 GRASDAL 84 IT**



GRAVEL ROAD

MTN ANTENNAE KEY

SECTOR	AZIMUTH	ANTENNA	HEIGHT - BOTTOM (m)	MECH TILT	ELEC. TILT	FEEDER SIZE	FEEDER LENGTH (m)
1	0°	800 10123	51.4		7/8°	7/8"	±.55
2	120°	800 10123	51.4		7/8°	7/8"	±.55
3	240°	800 10123	51.4		7/8°	7/8"	±.55



187 Pongshu Street
 11th Floor, Pongshu Building
 Singapore, 119117
 Tel: +65 (0) 6342 1000
 Fax: +65 (0) 6342 1008
 www.mtn.com.sg

SITE NAME
 GRASDAL FARM

BASE STATION NUMBER
 T8954

REV	DATE	BY	DESCRIPTION
A	24/11/2011	HM	FRST ISSUE

NOTES
 OWNER: MELVENDERO TRUST

PROPERTY DESCRIPTION
 STRICTLY COMPANY CONFIDENTIAL
 PORTION 1 OF THE FARM GRASDAL M IT

COORDINATES
 LAT 2° 18' 18.00" S
 LONG 103° 21' 01.01" E

PROJECT
 NEW 87m TELECOMMUNICATION BASESTATION WITH
 A 64m LATTICE MAST FOR MTN (PTY) LTD

ADDRESS
 OFF R17 ON THE RIGHT HAND SIDE CHRISBERGHEER,
 GRASDAL FARM
 KIPUMALANGA



PROJECT NUMBER
 151686
 115054

RFQ NO.
 151686

DATE
 24/11/2011

SCALE
 1:100

REF. NO.
 812/18954

DRAWN
 HENDRICK MARINTA

DATE
 24/11/2011

SCALE
 1:100

REF. NO.
 812/18954

DRAWN
 HENDRICK MARINTA

DATE
 24/11/2011

SCALE
 1:100

REF. NO.
 812/18954

DRAWN
 HENDRICK MARINTA

DATE
 24/11/2011

SCALE
 1:100

EAST ELEVATION
SHEET 8 OF 9

DRAWINGS MUST NOT BE SCALED. ONLY DIMENSIONS TO BE USED. DIMENSIONS TO BE VERIFIED BEFORE COMMENCEMENT OF WORK.
 ALL WORK TO BE PERFORMED ACCORDING TO ITR 878 B01 INFRASTRUCTURE SPECIFICATION (M01/10/11) ISSUE 1 (REVISED 9 NOVEMBER 2007)



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



1207 Pheasant Bend
Street 8, Indianapolis, Indiana, IN 46241
Tel: +27 (0) 342 562 2000
Fax: +27 (0) 342 562 1000
P.O. Box 20017
Tel: +27 (0) 342 562 2000
Fax: +27 (0) 342 562 1000
info@mtncell.com

SITE NAME
GRASDAL FARM

BASE STATION NUMBER
T8854

REV	DATE	BY	DESCRIPTION
A	24/1/2011	FM	FIRST ISSUE

NOTES
OWNER: NELLVERBERG TRUST

STRICTLY COMPANY CONFIDENTIAL
PROPERTY DESCRIPTION
PORTION 1 OF THE FARM GRASDAL 04 IT

COORDINATES
LAT 28° 18' 18.90" S
LONG 30° 21' 01.01" E

PROJECT
NEW 999m TELECOMMUNICATION BASESTATION WITH
A 34m LATTICE MAST FOR MTN (PTY) LTD

ADDRESS
OFF R11 ON THE RIGHT HAND SIDE CHRISSEMEER,
GRASDAL FARM,
MPLUMALANGA

INFRASTRUCTURE
PLANNING SERVICES
IPS

414 Pheasant Bend
Street 8, Indianapolis
IN 46241
Tel: +27 (0) 342 562 2000
Fax: +27 (0) 342 562 1000
info@ipsinfra.com

P.O. Box 20017
Tel: +27 (0) 342 562 2000
Fax: +27 (0) 342 562 1000
info@ipsinfra.com

RFD NO.
151689
PROJECT NUMBER
115054

DRAWINGS MUST NOT BE REPRODUCED OR USED FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN PERMISSION OF THE INFRASTRUCTURE PLANNING SERVICES (Pty) Ltd.

ALL WORK TO BE PERFORMED ACCORDING TO MTN SITE SITE INFRASTRUCTURE SPECIFICATION RFD11/091 ISSUE 1 (REVISION 8 NOVEMBER 2007)

DRAWN: HENDRICK MAQUINTA | DATE: 24/1/2011
SCALE: NTS | REF. NO: 81278894

FACILITY ILLUSTRATION
SHEET 9 OF 9

Appendix D: Specialist Reports – Not Applicable

Appendix E: Comments and responses report

Interested & Affected Parties Register / Comments and Responses Report

Site number:
Site Name:
EIA reference no.:

T8954
Grasdal Farm
17/2/3/GS-73

Interested and Affected Parties Register							Comments and Responses Report	
No.	Date	Name	Address	Contact detail	Reacted to:	Record of initial I&AP registration	Issues raised / Comments received	EAP Response
1	02/02/2012	The Municipal Manager	The Municipal Manager Msukaligwa Local Municipality P.O Box 48, Ermelo, 2350	Mt. T. Dlamini Environmental Management Section Fax: (017) 801 3851	NA	Auto I&AP	No comments received	Sent Draft BAR Sent Final BAR
2	02/02/2012	The Ward Councillor	The Ward Councillor Msukaligwa Local Municipality P.O Box 48, Ermelo, 2350	Clr. K.H Dladla (Ward 12) Fax: (017) 801 3851	NA	Auto I&AP	No comments received	Sent Draft BAR Sent Final BAR
3	02/02/2012	The District Municipality	The Municipal Manager Gert Sibande District Municipality P.O Box 1748, Ermelo, 2350	Mr. N. Ngcobo Environmental Management Section Fax: (017) 631 1607	NA	Auto I&AP	No comments received	Sent Draft BAR Sent Final BAR
4	02/02/2012	SAHRA	South African Heritage Resources Agency, 111 Harrington str, Cape Town, 8000; PO Box 4637, Cape Town, 8000	Mr P Hine/Mrs Colette Scheermeyer, Tel: 0214624502, Fax: 0214624509, Email: phine@sahra.org.za	NA	Auto I&AP	No comments received	Sent Draft BAR Sent Final BAR
5	02/02/2012	SACAA	Private Bag x73, Halfway House 1685	Tel: (011) 545 1000 Fax: (011) 545 1451	NA	Auto I&AP	Require day & night markings	paint mast red & white and install red navigation lights on top as according to CAA requirements
6	05/12/2011	Welverdiend Trust	P.O Box 7, Chrissiesmeer, 2332	Mr. I.J Roux Tel: (017) 847 0003/ (017) 847 2015 Cell: 082 922 9216 Fax: (017) 847 2015	Lease Negotiations	Land Owner	Signed Lease	Sent Draft BAR Sent Final BAR
7	20/02/2012	EWT	Postnet Suite 1791, Private Bag X9013, Ermelo 2350	Mrs Ursula Franke Cell: 083 332 8859 Tel: (017) 811 2817	Public Notice	Registered I&AP	Request to be registered as I&AP. Requested all current information including map and if anchoring cables are required for the mast. Request copy of the Draft BAR. No further comments were received on the Draft BAR	Registered as I&AP. Sent additional info. Sent Draft BAR. Sent Final BAR

Wilbert Van't Foort

From: Lydia Malema
Sent: 20 February 2012 09:50 AM
To: Wilbert Van't Foort
Subject: FW: MTN establishment of telecommunication base station
Importance: High

From: Ursula Franke [mailto:ursulaf@ewt.org.za]
Sent: Monday, February 20, 2012 9:46 AM
To: Lydia Malema
Subject: FW: MTN establishment of telecommunication base station
Importance: High

Attention: Mr Wilbert Van't Foort

I would like to register as I&AP on behalf of the Endangered Wildlife Trust for two Public Participation Processes for the establishment of enclosed telecommunication base stations by MTN:

Ref number: 17/2/3/GS-51
T8952 Baltimore Farm

Ref number: 17/2/3/GS-73
T8954 Grasdal Farm

Please could you send all current information on these projects to me? I would be particularly interested a map showing the planned locations and alternatives for the masts, and whether the masts will need any anchoring cables etc. Please find my contact details below.

Kind regards

Ursula Franke

Senior Field Officer: Highveld Crane Conservation Project
Endangered Wildlife Trust - African Crane Conservation Programme
Part of the ICF/EWT partnership for African Cranes

Postnet Suite #1791, P/Bag X 9013, Ermelo, 2350
Cell: 083 332 8859
Tel: 017 811 2817
Email: ursulaf@ewt.org.za

EWT website: www.ewt.org.za
Blog: <http://endangeredwildlifetrust.wordpress.com>

The African Crane Conservation Programmes important community and crane conservation work is supported by the World Wide Fund for Nature, Rand merchant Bank, Lufthansa, Anglo American Chairman's Fund, Eskom, Millstream, Senqu Clothing and the Johannesburg Zoo. To become a member or a sponsor, please contact the above details.

Please consider the environment before printing this email!

Wilbert Van't Foort

From: Wilbert Van't Foort
Sent: 05 March 2012 10:32 AM
To: 'ursulaf@ewt.org.za'
Subject: 120305 Dept ref no: 17/2/3/GS-73 - EAP Ref No T8954 Grasdal Farm
Attachments: DWG EIA_RA-T8954.pdf

Dear Ursula,

**RE: MDEDET Ref. No: 17/2/3/GS-73. Torbious Solutions Ref. No: T8954 Grasdal Farm.
THE ESTABLISHMENT OF A 54M HIGH MTN TELECOMMUNICATION LATTICE MAST PAINTED RED & WHITE ON
Portion 1 of the farm Grasdal 94 IT.**

Thank you for your letter of concern regarding the proposed mast for MTN. You have been registered as an Interested & Affected Party.

Please find attached the maps and illustrations for the proposed development. The proposed mast is a freestanding, lattice structure with no anchoring cables. Please note that there are no alternative site localities or design alternatives for the proposed mast.

A copy of the Draft Basic Assessment Report that will be submitted to the Department of Economic Development, Environment & Tourism will also be send to you for your interest and comment.

You are welcome to contact us if you need any further information regarding the proposed development.

Kind Regards,

Wilbert van't Foort
Environmental Assessment
Fax: 086 690 0441



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

Reg. No. 2001/0080535/23
Tel. (012) 804 1504/5
Fax (012) 804 7072

Wilbert Van't Foort

From: Ursula Franke [ursulaf@ewt.org.za]
Sent: 06 March 2012 11:03 AM
To: Wilbert Van't Foort
Subject: Read: 120305 Dept ref no: 17/2/3/GS-73 - EAP Ref No T8954 Grasdal Farm
Attachments: ATT13245.txt

Your message

To: ursulaf@ewt.org.za
Subject: 120305 Dept ref no: 17/2/3/GS-73 - EAP Ref No T8954 Grasdal Farm
Sent: 2012/03/05 10:31 AM

was read on 2012/03/05 01:43 PM.

Wilbert Van't Foort

From: Mail Delivery System [MAILER-DAEMON@ewt.org.za]
Sent: 05 March 2012 11:47 AM
To: Wilbert Van't Foort
Subject: Successful Mail Delivery Report
Attachments: Delivery report; Message Headers

This is the mail system at host birdie.ewt.org.za.

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

The mail system

<ursulaf@ewt.org.za>: delivery via local: delivered to command: procmail -a
"\$EXTENSION"

Wilbert Van't Foort

From: Ursula Franke [ursulaf@ewt.org.za]
Sent: 06 March 2012 11:03 AM
To: Wilbert Van't Foort
Subject: RE: 120305 Dept ref no: 17/2/3/GS-73 - EAP Ref No T8954 Grasdal Farm

Dear Wilbert

Thank you for the map. Unfortunately it does not provide me with the fine scale details I requested in terms of location. This is a critical crane flocking site. Could you therefore please provide me with a more detailed image of the property that shows the exact proposed location of the mast and in relation to the various landscape features on the property such as the pans, agricultural lands, etc?

Your assistance would be much appreciated.

Regards

Ursula Franke

Senior Field Officer: Highveld Crane Conservation Project
Endangered Wildlife Trust - African Crane Conservation Programme
Part of the ICF/EWT partnership for African Cranes

Postnet Suite #1791, P/Bag X 9013, Ermelo, 2350
Cell: 083 332 8859
Tel: 017 811 2817
Email: ursulaf@ewt.org.za

EWT website: www.ewt.org.za
Blog: <http://endangeredwildlifetrust.wordpress.com>

The African Crane Conservation Programmes important community and crane conservation work is supported by the World Wide Fund for Nature, Rand merchant Bank, Lufthansa, Anglo American Chairman's Fund, Eskom, Millstream, Senqu Clothing and the Johannesburg Zoo. To become a member or a sponsor, please contact the above details.

Please consider the environment before printing this email!

From: Wilbert Van't Foort [mailto:wilbert@infraplan.co.za]
Sent: 05 March 2012 10:32 AM
To: ursulaf@ewt.org.za
Subject: 120305 Dept ref no: 17/2/3/GS-73 - EAP Ref No T8954 Grasdal Farm

Dear Ursula,

**RE: MDEDET Ref. No: 17/2/3/GS-73. Torbious Solutions Ref. No: T8954 Grasdal Farm.
THE ESTABLISHMENT OF A 54M HIGH MTN TELECOMMUNICATION LATTICE MAST PAINTED RED & WHITE ON
Portion 1 of the farm Grasdal 94 IT.**

Thank you for your letter of concern regarding the proposed mast for MTN. You have been registered as an Interested & Affected Party.

Please find attached the maps and illustrations for the proposed development. The proposed mast is a freestanding, lattice structure with no anchoring cables. Please note that there are no alternative site localities or design alternatives for the proposed mast.

A copy of the Draft Basic Assessment Report that will be submitted to the Department of Economic Development, Environment & Tourism will also be send to you for your interest and comment.

You are welcome to contact us if you need any further information regarding the proposed development.

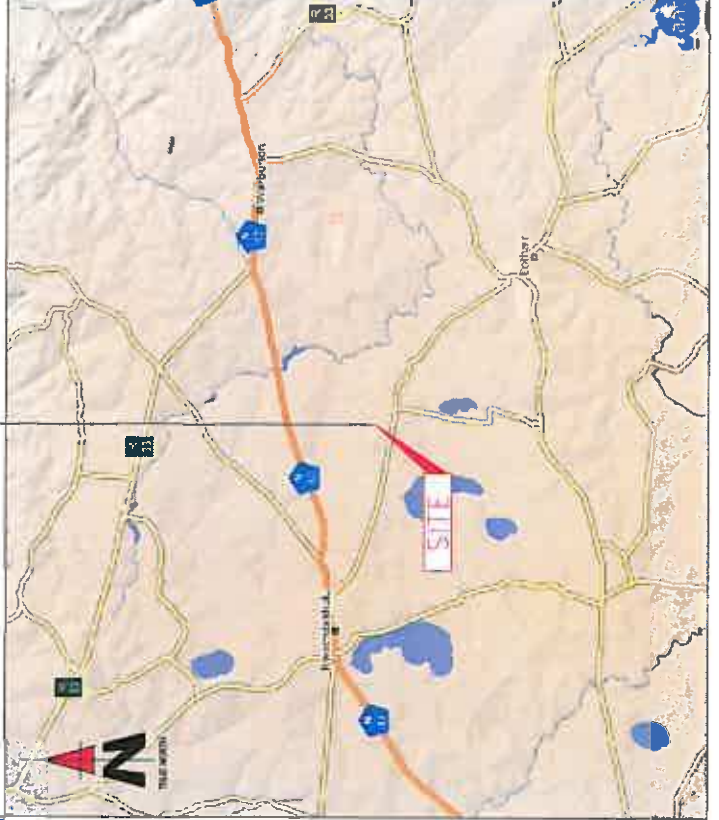
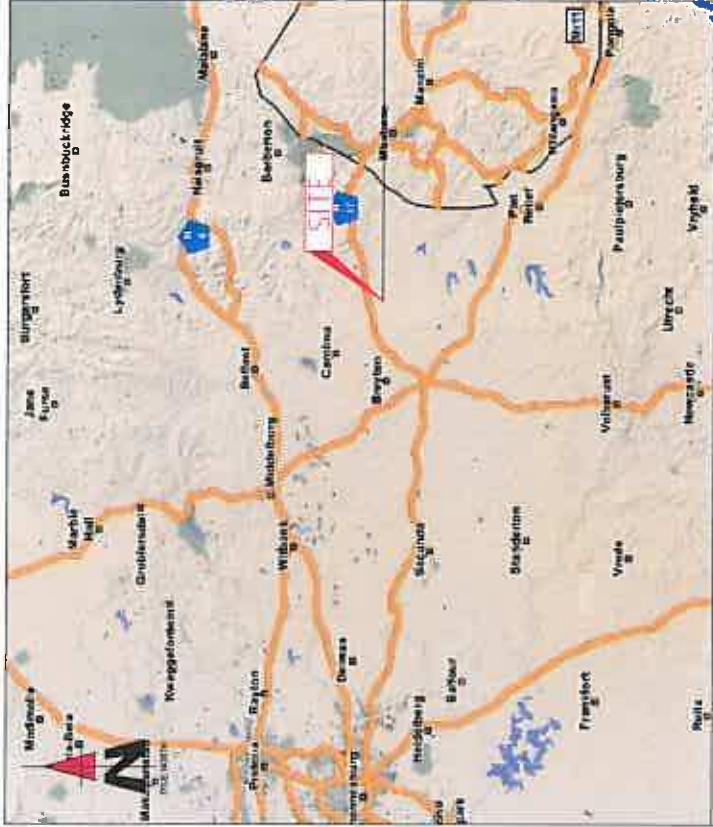
Kind Regards,

Wilbert van't Foort
Environmental Assessment
Fax: 086 690 0441



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

Reg. No. 2001/0080536/23
Tel. (012) 804 1504/6
Fax (012) 804 7072



T8954
GRASDAL FARM



1287 Pekaia Street
Dunbar 2, Middelburg, Mpumalanga
Middelburg, 0501

Tel: +27 (0) 13 200 2000
Fax: +27 (0) 13 200 2000

Project Code: 40
Project Name: T8954
Middelburg, 0501

GRASDAL FARM

STATION NUMBER: **T8954**

REV	DATE	BY	DESCRIPTION
A	24/1/2011	HM	FIRST ISSUE

NOTES:

OWNER: HENDEKRICK TRUST

STRICTLY COMPANY CONFIDENTIAL

PROPERTY DESCRIPTION:
PORTION 1 OF THE FARM GRASDAL 84 IT

COORDINATES:
LAT: 28° 18' 16.90" S
LONG: 30° 21' 01.01" E

PROJECT:
NEW 600m TELECOMMUNICATION BASESTATION WITH
A 50m LATTICE MAST FOR MTR (PTY) LTD

ADDRESS:
OFF M17 ON THE RIGHT HAND SIDE CHRISTIEBEEER,
GRASDAL FARM,
MPUMALANGA.



414 Pekaia Street
Dunbar 2, Middelburg, Mpumalanga
Middelburg, 0501

Tel: +27 (0) 13 200 1800
Fax: +27 (0) 13 200 1802
Email: info@ipsafrica.com

RFP NO: 151888

PROJECT NUMBER: 115664

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 MTR SITE PREPARATION SPECIFICATION (REVISED EDITION 1) (VERSION 0 NOVEMBER 2007)

DRAWN: HENDRICK MANINTA | DATE: 24/1/2011

SCALE: NTS | REF. NO: 81276894

LOCALITY MAP

SHEET 1 OF 8



1871 Pritchard Blvd
 Meridian, MS 39307
 Phone: 662.430.1000
 Fax: 662.430.1001
 Website: www.mtn.com

Project Site: 1871 Pritchard Blvd
 Meridian, MS 39307

RTE NAME
GRASDAL FARM

BASE STATION NUMBER
T8954

REV	DATE	BY	DESCRIPTION
A	24/1/2011	MM	FIRST ISSUE

NOTES
 OWNER: MELVEDIGO THUNT

STRICTLY COMPANY CONFIDENTIAL
 PORTION 1 OF THE FARM GRASDAL IN IT

COORDINATES
 LAT. 28° 18' 18.00" S
 LONG. 30° 21' 01.01" E

PROJECT:
 NEW 800M TELECOMMUNICATION BASESTATION WITH
 A 50M LATTICE MAST FOR MTN (PTY) LTD

ADDRESS:
 OFF 117 ON THE RIGHT HAND SIDE CHRISBEAVER,
 GRASDAL FARM,
 MUPJALANGA

INFRASTRUCTURE
 PLANNING SERVICES
IPS

414 Maple Road
 Midrand, Gauteng
 Tel: +27 (12) 804 18048
 Fax: +27 (12) 804 7072
 Email: info@ipsafrica.com

P.O. Box 20017
 Midrand, Gauteng
 Tel: +27 (12) 804 7072
 Fax: +27 (12) 804 7072
 Email: info@ipsafrica.com

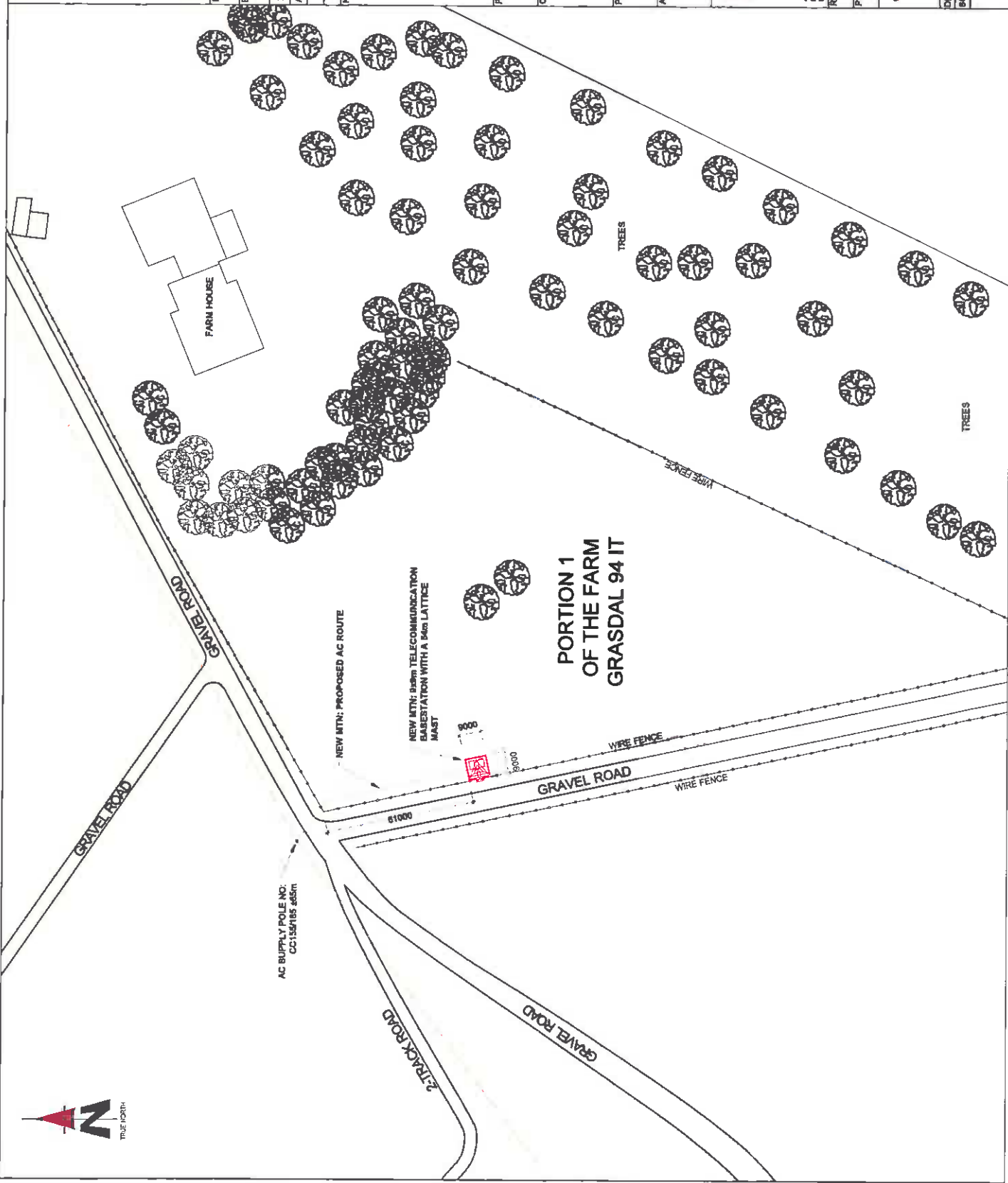
RFC NO.
 181056

PROJECT NUMBER
 116054

DRAWN: HENDRICK MARGITA DATE: 24/1/2011
 SCALE: 1:1000 REF. NO: 91216954

ALL WORK TO BE PERFORMED ACCORDING TO MTN SITE
 PREPARED BY: HENDRICK MARGITA
 DATE: 1 FEBRUARY 2011

SITE DEVELOPMENT PLAN
SHEET 3 OF 9





1327 Pretorius Street
 Strand B, Helderberg Campus
 Pretoria, 0002
 Tel: +27 (0) 12 342 2000
 Fax: +27 (0) 12 342 2000
 Pretorius Street, 1327
 Strand B, Helderberg Campus
 Pretoria, 0002

BITE NAME
 GRASDAL FARM

BASE STATION NUMBER
 T8954

REV	DATE	BY	DESCRIPTION
A	24/1/2011	MM	FRST ISSUE

NOTES
 OWNERS WELCOMED TO VISIT

STRICTLY COMPANY CONFIDENTIAL
 PROPERTY DESCRIPTION
 PORTION 1 OF THE FARM GRASDAL 94 IT

COORDINATES
 LAT: 28° 18' 16.80" S
 LONG: 30° 21' 01.01" E

PROJECT
 NEW 900M TELECOMMUNICATION BASESTATION WITH
 A 50M LATTICE MAST FOR MTN (Pty) Ltd

ADDRESSES
 SITE #17 ON THE RIGHT HAND SIDE CHRISBEEBER,
 GRASDAL FARM,
 MPUTJALANGA.



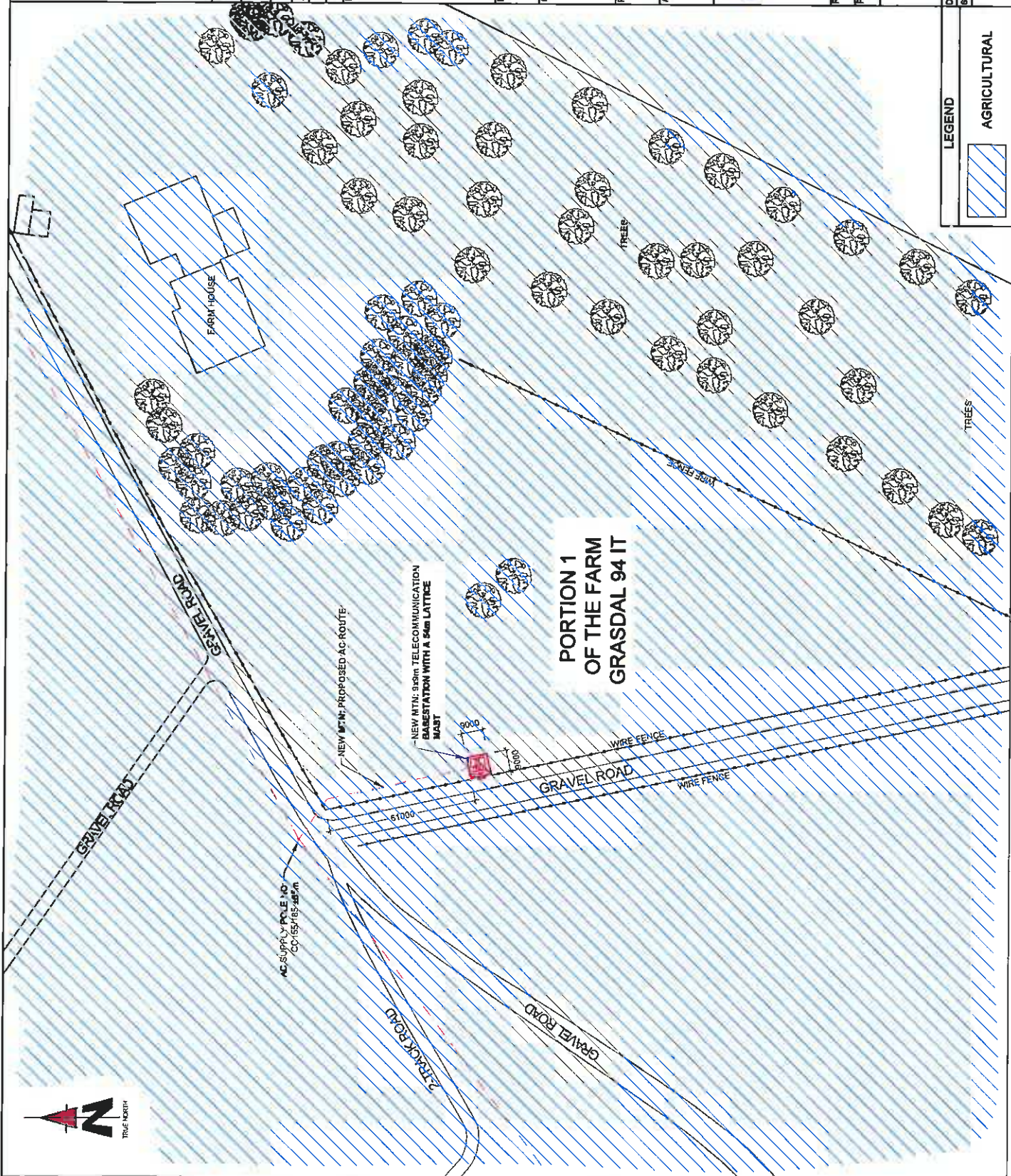
444 Pretorius Street
 Strand B, Helderberg Campus
 Pretoria, 0002
 Tel: +27 (0) 12 342 2000
 Fax: +27 (0) 12 342 2000
 Pretorius Street, 444
 Strand B, Helderberg Campus
 Pretoria, 0002

PROJECT NUMBER
 116064

DATE
 24/1/2011

SCALE
 1:1000

CURRENT LAND USE
 SHEET 4 OF 9



LEGEND

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



1507 Pheasant Bend
 Strand 8, Nelspruit Complex
 Nelspruit, 0953
 Tel: +27 (13) 604 1800
 Fax: +27 (13) 604 1800
 Mobile: 082 118 1181

SITE NAME
GRASDAL FARM

BASE STATION NUMBER
T8954

REV	DATE	BY	DESCRIPTION
A	24/1/2011	HM	FIRST ISSUE

NOTES
 OWNER: MELVINDRUM TRUST

STRICTLY COMPANY CONFIDENTIAL
 PROPERTY DESCRIPTION
 PORTION 1 OF THE FARM GRASDAL 94 IT

COORDINATES
 LAT. 25° 18' 16.80" S
 LONG. 30° 21' 01.01" E

PROJECT
 NEW 800m TELECOMMUNICATION BASESTATION WITH
 A 84m LATTICE MAST FOR MTN (PTY) LTD

ADDRESS
 OFF R17 ON THE RIGHT HAND SIDE CHRISMESHEER,
 100m FROM THE INTERSECTION WITH
 MPUTUNGANGA



414 Pheasant Bend
 Nelspruit
 Tel: +27 (13) 604 1800
 Fax: +27 (13) 604 1800
 Email: info@ipinfra.com

P.O. Box 20017
 Tlokweng
 0154

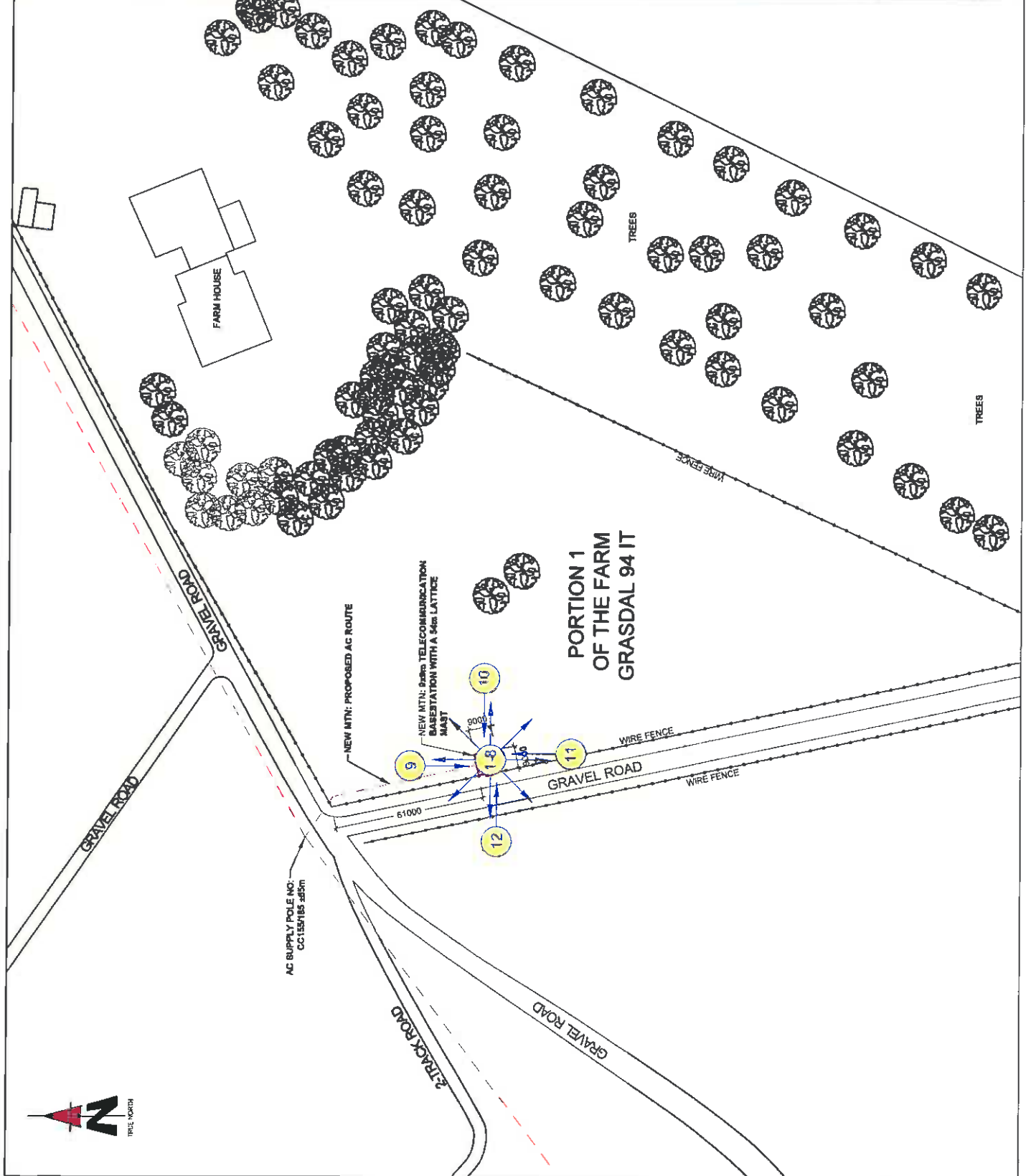
RFQ NO.
 151080

PROJECT NUMBER
 115954

DRAWINGS MUST NOT BE SCALED. ONLY DIMENSIONS SHOWN TO BE
 USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT
 OF WORK.
 ALL WORK TO BE PERFORMED ACCORDING TO SANS 1018
 INFRASTRUCTURE SPECIFICATION (SECTION
 11) (VERSION 1) (REVISION 1) (1/2008)

DRAWN: HENDRICK MARANTA | DATE: 24/1/2011
 SCALE: 1:1500 | REF. NO: 81276954

SITE PHOTOGRAPH
 SHEET 6 OF 9



AC SUPPLY POLE NO:
 CC1557185 #85m

NEW MTN: PROPOSED AC ROUTE

NEW MTN: 800m TELECOMMUNICATION
 BASESTATION WITH A 84m LATTICE
 MAST

PORTION 1
 OF THE FARM
 GRASDAL 94 IT

WIRE FENCE

GRAVEL ROAD

WIRE FENCE

GRAVEL ROAD

2-TRACK ROAD

GRAVEL ROAD

FARM HOUSE

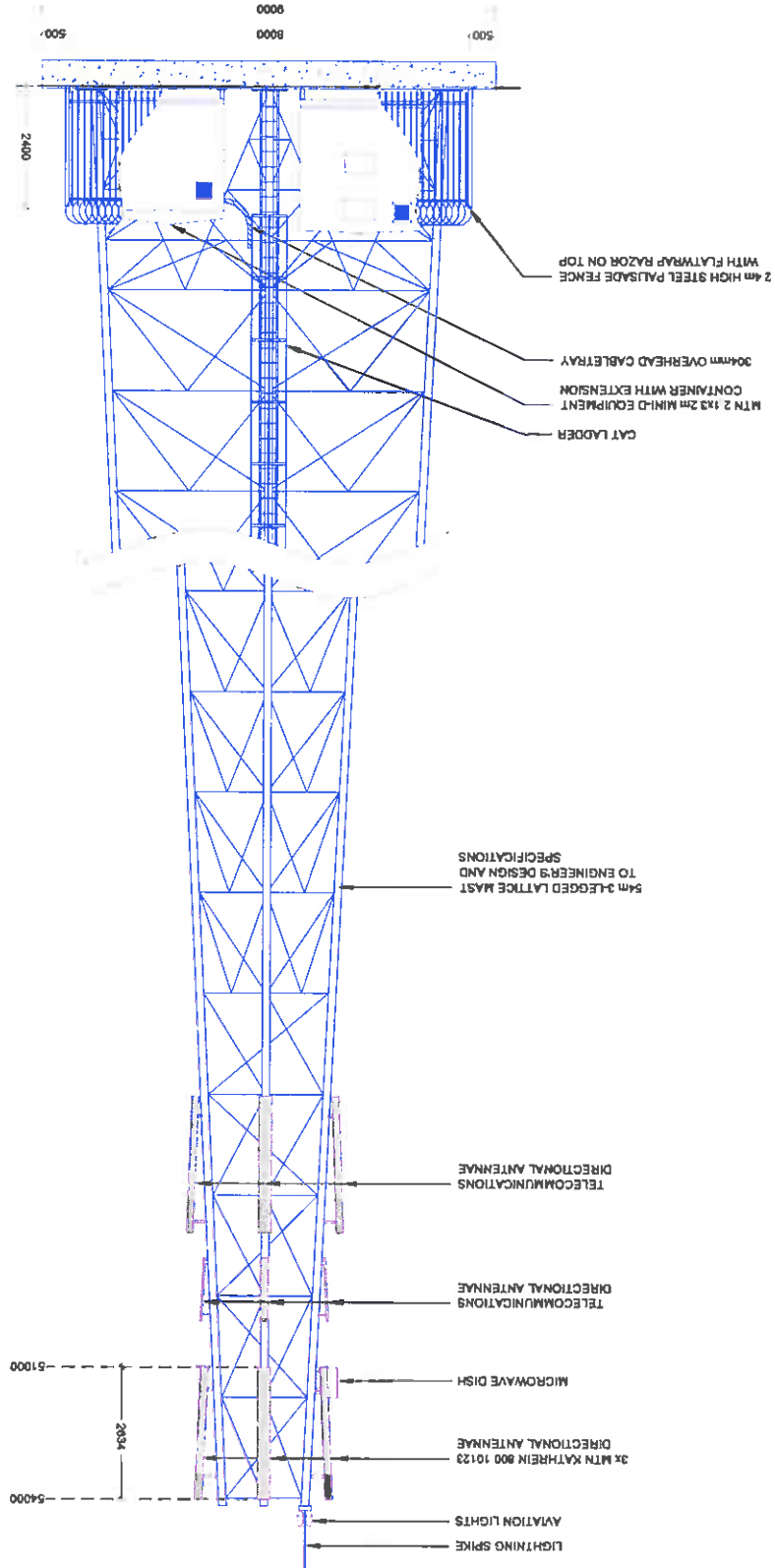
TREES

WIRE FENCE

TREES

MTN ANTENNAE KEY

SECTOR	AZIMUTH	ANTENNA	HEIGHT - BOTTOM (m)	MECH TILT	ELEC. TILT	FEEDER SIZE	FEEDER LENGTH (m)
1	0°	800 10123	51.4			7/8"	± 55
2	120°	800 10123	51.4			7/8"	± 55
3	240°	800 10123	51.4			7/8"	± 55



1877 Pongkol Road,
Block B, HighRise Complex
Mantoloking, Davao
Philippines
Tel: +62 (0) 31 417 3000
Fax: +62 (0) 31 417 3005
www.mtn.com.ph

GRASDAL FARM

BASE STATION NUMBER
T8954

REV	DATE	BY	HM	DESCRIPTION
A	24/11/2011			FIRST ISSUE

NOTES
OWNER: HENDERICK TRUST

STRICTLY COMPANY CONFIDENTIAL
PROPERTY DESCRIPTION:
PORTION 1 OF THE FARM GRASDAL M IT

COORDINATES
LAT : 25° 16' 16.80" S
LONG : 30° 21' 01.01" E

PROJECT
NEW 60m TELECOMMUNICATION SUBSTATION WITH
A 34m LATTICE MAST FOR MTN (PTT) LTD

ADDRESS
OFF N17 ON THE RIGHT HAND SIDE CHRISSEBAEER,
GRASDAL FARM,
MPUMALANGA



414 Middle Road
Singapore
Tel: +67 (0) 634 8848
Fax: +67 (0) 634 7972
www.infrastructures.com

P.O. Box 20017
Telok Ayer Stair
Singapore
0134

RFD NO.
T81068

PROJECT NUMBER
T16054

DRAWINGS MUST NOT BE SCALED. ONLY PROVIDED DIMENSIONS TO BE
USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT
OF WORK.
ALL WORK TO BE PROVIDED ACCORDING TO MTN 978 MTE
SPECIFICATIONS (REVISED 2008)
BASE 1 REVISION 3 NOVEMBER 2007

DRAWN: HENDRICK BAKINTA [DATE: 24/11/2011]
SCALE: 1:100 [REF. NO: 81278954]

EAST ELEVATION
SHEET 8 OF 9



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



1387 Pretorius Street
Block B, Hillside Complex
Pretoria, 0082
Tel: +27 (0) 12 342 1992
Fax: +27 (0) 12 342 3054
Personnel Suite 140
Pretorius, 200
Johannesburg

SITE NAME:
GRASDAL FARM

BASE STATION NUMBER: T8954

REV	DATE	BY	DESCRIPTION
A	24/1/2011	HM	FIRST ISSUE

NOTES:
OWNER: WELVERDORD TRUWAT

PROPERTY DESCRIPTION:
STRICTLY COMPANY CONFIDENTIAL
PORTION 1 OF THE FARM GRASDAL 04 IT

COORDINATES:
LAT : 28° 18' 16.807" S
LONG : 30° 21' 01.617" E

PROJECT:
NEW 900m TELECOMMUNICATION BASESTATION WITH
A 64m LATTICE MAST FOR MTN (PTY) LTD

ADDRESS:
OFF M17 ON THE RIGHT HAND SIDE CHRISBIEBANKER,
GRASDAL FARM,
MUNJALANDA



414 Pretorius Road
Pretoria, 0001
Tel: +27 (0) 12 342 1992
Fax: +27 (0) 12 342 3054
www.mtn.com

REG. NO.: 151846
PROJECT NUMBER: 115054

SCALE: NOT TO BE SCALED. ONLY DIMENSIONS TO BE USED.
DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT OF WORK.
ALL WORK TO BE PERFORMED ACCORDING TO MTN SITE
INFRASTRUCTURE SPECIFICATION 10/01/001
TABLE 1 REVISION 0 NOVEMBER 2007

DATE: 24/1/2011
REF. NO.: 81278954

FACILITY ILLUSTRATION
SHEET 9 OF 8

Wilbert Van't Foort

From: Ursula Franke [ursulaf@ewt.org.za]
Sent: 06 March 2012 11:03 AM
To: Wilbert Van't Foort
Subject: Read: 120305 Dept ref no: 17/2/3/GS-73 - EAP Ref No T8954 Grasdal Farm
Attachments: ATT13245.txt

Your message

To: ursulaf@ewt.org.za
Subject: 120305 Dept ref no: 17/2/3/GS-73 - EAP Ref No T8954 Grasdal Farm
Sent: 2012/03/05 10:31 AM

was read on 2012/03/05 01:43 PM.

Wilbert Van't Foort

From: Ursula Franke [ursulaf@ewt.org.za]
Sent: 09 May 2012 02:01 PM
To: Wilbert Van't Foort
Subject: Read: 120509 T8954 Grasdal Farm - Draft BAR
Attachments: ATT30033.txt

Your message

To: ursulaf@ewt.org.za
Subject: 120509 T8954 Grasdal Farm - Draft BAR
Sent: 2012/05/09 01:07 PM

was read on 2012/05/09 01:58 PM.

Wilbert Van't Foort

From: Mail Delivery System [MAILER-DAEMON@ewt.org.za]
Sent: 09 May 2012 01:16 PM
To: Wilbert Van't Foort
Subject: Successful Mail Delivery Report
Attachments: Delivery report; Message Headers

This is the mail system at host birdie.ewt.org.za.

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

The mail system

<ursulaf@ewt.org.za>: delivery via local: delivered to command: procmail -a
"\$EXTENSION"

Wilbert Van't Foort

From: Wilbert Van't Foort
Sent: 09 May 2012 01:08 PM
To: 'ursulaf@ewt.org.za'
Subject: 120509 T8954 Grasdal Farm - Draft BAR

Good afternoon Ursula,

No, sorry, not yet, but I hope to have it ready soon.

Kind Regards,

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



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

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

From: Ursula Franke [mailto:ursulaf@ewt.org.za]
Sent: 09 May 2012 01:02 PM
To: Wilbert Van't Foort
Subject: RE: 120416 RE: 120315 FW: 120203 Ref Number: 17/2/3/GS-51 Site name: T8952 Baltimore Farm

Good morning Wilbert

I would just like to enquire whether the draft BAR for the Grasdal Farm is available yet?

Regards

Ursula Franke

Senior Field Officer: Highveld Crane Conservation Project
Endangered Wildlife Trust - African Crane Conservation Programme
Part of the ICF/EWT partnership for African Cranes

Postnet Suite #1791, P/Bag X 9013, Ermelo, 2350
Cell: 083 332 8859
Tel: 017 811 2817
Email: ursulaf@ewt.org.za

EWT website: www.ewt.org.za
Blog: <http://endangeredwildlifetrust.wordpress.com>

The African Crane Conservation Programmes important community and crane conservation work is supported by the World Wide Fund for Nature, Rand merchant Bank, Lufthansa, Anglo American Chairman's Fund, Eskom, Millstream, Senqu Clothing and the Johannesburg Zoo. To become a member or a sponsor, please contact the above details.

Please consider the environment before printing this email!

From: Wilbert Van't Foort [mailto:wilbert@infraplan.co.za]
Sent: 16 April 2012 10:58 AM

To: ursulaf@ewt.org.za

Subject: 120416 RE: 120315 FW: 120203 Ref Number: 17/2/3/GS-51 Site name: T8952 Baltimore Farm

Dear Ursula,

Thanks for the name change of the cranes, I'm more updated with the lowveld birds.

The Draft BAR T8954 Grasdal Farm is not completed yet but you will receive a copy soon.

Interested & Affected Parties have 40 calendar days to reply on the Draft BAR. Due to the public holidays in between the end response date moves on to 3 May 2012 for T8952 Baltimore Farm.

Kind Regards,

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



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

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

From: Ursula Franke [mailto:ursulaf@ewt.org.za]

Sent: 13 April 2012 05:16 PM

To: Wilbert Van't Foort

Subject: RE: 120315 FW: 120203 Ref Number: 17/2/3/GS-51 Site name: T8952 Baltimore Farm

Importance: High

Dear Wilbert

Thank you for the draft BAR for the Baltimore Farm. Please note that your reference to cranes should refer to Grey Crowned Cranes, not Blue Cranes.

Please could you also send me the draft BAR for T8954 Grasdal Farm Ref number: 17/2/3/GS-73? This is a critical site as it forms part of a larger Grey Crowned Crane flocking site and therefore attracts large numbers of birds. Your assistance would be much appreciated.

Until what date do we have time to comment on the draft BAR?

Regards

Ursula Franke

Senior Field Officer: Highveld Crane Conservation Project
Endangered Wildlife Trust - African Crane Conservation Programme
Part of the ICF/EWT partnership for African Cranes

Postnet Suite #1791, P/Bag X 9013, Ermelo, 2350
Cell: 083 332 8859
Tel: 017 811 2817
Email: ursulaf@ewt.org.za

EWT website: www.ewt.org.za
Blog: <http://endangeredwildlifetrust.wordpress.com>

The African Crane Conservation Programmes important community and crane conservation work is supported by the World Wide Fund for Nature, Rand merchant Bank, Lufthansa, Anglo American Chairman's Fund, Eskom, Millstream, Senqu Clothing and the Johannesburg Zoo. To become a member or a sponsor, please contact the above details.

Please consider the environment before printing this email!

From: Wilbert Van't Foort [mailto:wilbert@infraplan.co.za]
Sent: 15 March 2012 11:39 AM
To: ursulaf@ewt.org.za
Subject: 120315 FW: 120203 Ref Number: 17/2/3/GS-51 Site name: T8952 Baltimore Farm

Dear Ursula,

Due to a broken network cable we were without internet for 8 working days. The cable has been fixed and we are operational again. If you have received this e-mail before (*the one below*) please ignore. I just want to make sure that you have received the required information. Please note that I am currently working on the Draft BAR that will be send to you as soon as completed.

Kind Regards,

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



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

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

From: Wilbert Van't Foort
Sent: 02 March 2012 01:41 PM
To: 'ursulaf@ewt.org.za'
Subject: 120203 Ref Number: 17/2/3/GS-51 Site name: T8952 Baltimore Farm

Dear Ursula,

RE: THE ESTABLISHMENT OF A 54M HIGH RED & WHITE LATTICE MTN TELECOMMUNICATION MAST ON PORTION 8 OF THE FARM WITKRANZ 53 IT

The proposed mast is a 54m high lattice mast painted red & white on Portion 8 of the Farm Witkranz 53 IT (*Please find accompanying maps and illustrations attached*). The proposed mast is a freestanding, lattice structure with no anchoring cables. Please note that there are no alternative site localities or design alternatives for the proposed mast.

A copy of the Draft Basic Assessment Report that will be submitted to the Department of Economic Development, Environment & Tourism will also be send to you for your interest and comment.

You are welcome to contact us if you need any further information regarding the proposed development.

Kind Regards,

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



Torblouse Solutions CC
414 Rustic Road, Silvertondale, 0184
PO Box 32017, Totiusdal, 0194
e-mail: admin@torblousesolutions.co.za

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

Appendix F: EMPR



Environmental Management Plan (EMP)

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

Mobile Telephone Networks (Pty) Ltd

Project Reference Number:

17/2/3/GS-73

PORTION 1 OF THE FARM GRASDAL 94 IT

Off the N17 on the right hand side Chrissiesmeer

T8954

12 June 2012

DOCUMENT APPRAISAL

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

Department Reference Number: 17/2/3/GS-73

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1.1.2	<i>Contents of the EMP</i>	1-1
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2.3.3	<i>Method Statements</i>	<i>Error! Bookmark not defined.</i>
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EXECUTIVE SUMMARY

The proponent, MTN (Pty) Ltd, intends ***The establishment of a new 54m high MTN (Pty) Ltd telecommunication lattice mast painted red & white (T8954 Grasdal Farm) including a new 81m² telecommunication base station, equipment containers and associated equipment.***

The Department of [insert department details] 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 new 54m high MTN (Pty) Ltd telecommunication lattice mast painted red & white (T8954 Grasdal Farm) including a new 81m² telecommunication base station, equipment containers and associated equipment.*

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 and a registered waste disposal site.
 - d. Equipment Room: De-rust, wash walls and floor and dust interior;

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

5 ENVIRONMENTAL SPECIFICATIONS: DECOMMISSIONING PHASE

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

The Applicant will be responsible for the following:

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

5.1.1 Procedure

Procedure to be followed when decommissioning a BTS site.

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

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

Slab and Concrete Work

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

Tower

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

Feeder System

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

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

Fencing and Guardrails

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

Container

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

Site Rehabilitation

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

Dumping

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

Records

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

6 EMERGENCY RESPONSE PLAN

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

6.1 Typical remedial work options

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

Observation or Event	Action by ESA	Action by Contractor
Spillage of diesel or hydrocarbons on soil	Report to ESA and continue observations. <u>Also check:</u> ➤ That the source causing the spillage is decommissioned, and that the affected area is isolated to prevent spreading of the hazardous substance	Action will be required asap by following the next steps: ➤ Dig down into the soil to see how far down the pollution has penetrated; ➤ If penetration is less than 300mm: a. Turn the soil over to expose it to the air: b. Apply Mono Ammonium Phosphate (MAP) at a rate of 58gr/m ² to the dug up soil c. Water enough to keep the soil moist ➤ If penetration is greater than 300mm: a. Remove the affected soil and spread in a layer not more than 300mm thick; b. Apply MAP at a rate of 50gr/m ² c. Water enough to keep the soil moist ➤ Repeat the above steps every 6 weeks or until the soil is clean
General Surface Erosion	Report to ESA and continue observations. <u>Also check:</u> ➤ In respect of erosion of roads that all vehicular movement is restricted to the existing access routes to prevent criss-crossing of tracks through undisturbed areas.	Action will be required asap: ➤ Implement erosion protection works at identified problem areas; ➤ Implement remedial works to be done at affected areas in order to restore the area to its previous or better status.

This 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

G1 – Public Participation - Proof of Site Notice

G2– Public Participation – Written Notices to I&AP

G3- South African Civil Aviation Authority Approval

G4– Public Participation – Proof of Newspaper Advertisement

G1 Proof of Site Notice

Proof of Site Notice

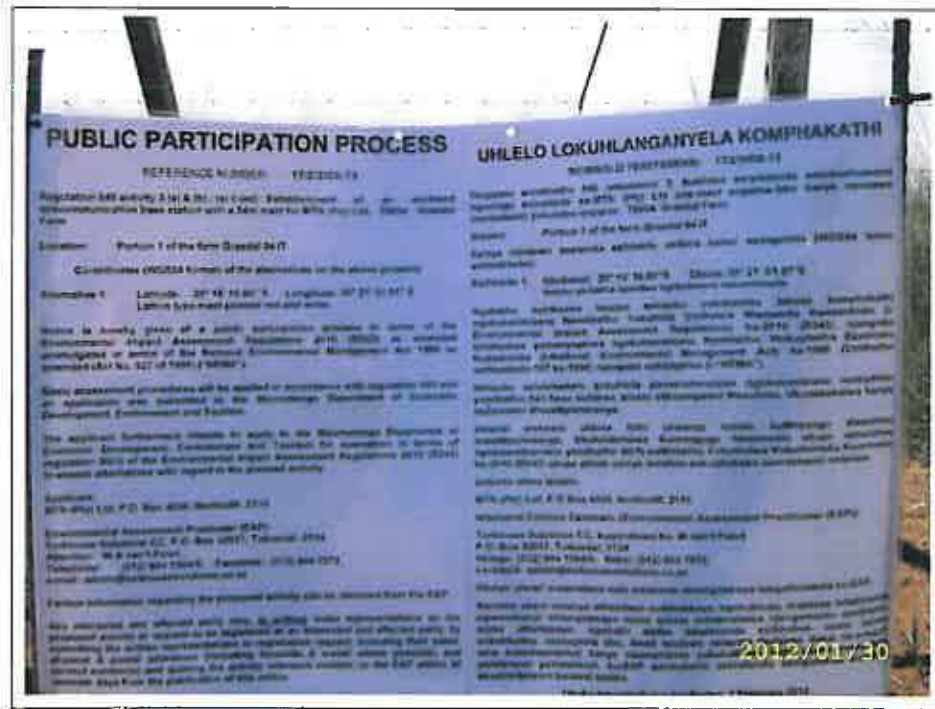


Site Notice 2 affixed to Fence



Site Notice 2 affixed to Fence

Proof of Site Notice



Site Notice 3 affixed to stand next to road board



Site Notice 3 affixed to stand next to road board

Proof of Site Notice



Site Notice 3 affixed to stand next to road board

G2 – Written Notices

Our Reference:
T8954/ 17/2/3/GS - 73

Your Reference:

2 February 2012

**Owner Remaining Extent and Portion 7 of the
Farm Lake Banagher 102 IT, Remaining Extent of the
Farm Bellevue 76 IT and Portion 2 of the Farm
Grasdal 94 IT**
National Government of the Republic of South Africa
Private Bag x3
Braamfontein
2017



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

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

Via Registered Mail

DEAR SIR/MADAM

**INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL
MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR
LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN
(PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 1 OF THE FARM
GRASDAL 94 IT.**

We are acting on behalf of MTN (Pty) Ltd in order to apply to the Mpumalanga Department of Economic Development, Environment and Tourism to establish a telecommunication base station on **Portion 1 of the Farm Grasdal 94 IT**

Attached hereto find:

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

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

Yours faithfully

WA VAN'T FOORT
For: Torbious Solutions CC

Our Reference:
T8954/ 17/2/3/GS - 73

Your Reference:

2 February 2012

Owner Portion 1 of the Farm Blaauwater 91 IT
Mavula Communal Property Association
P O Box 1387
Mpuluzi
2335



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

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

Via Registered Mail

DEAR SIR / MADAM

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 1 OF THE FARM GRASDAL 94 IT.

We are acting on behalf of MTN (Pty) Ltd in order to apply to the Mpumalanga Department of Economic Development, Environment and Tourism to establish a telecommunication base station on **Portion 1 of the Farm Grasdal 94 IT**

Attached hereto find:

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

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

Yours faithfully

WA VAN'T FOORT
For: Torbious Solutions CC

Our Reference:
T8954/ 17/2/3/GS - 73

Your Reference:

2 February 2012

Owner Portion 4 of the Farm Bellevue 76 IT
Mr B T Nkosi
P O Box 176
Belfast
1192



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

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

e-mail: admin@torbiousolutions.co.za

Via Registered Mail

DEAR SIR

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 1 OF THE FARM GRASDAL 94 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 **Portlon 1 of the Farm Grasdal 94 IT**

Attached hereto find:

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

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

Yours faithfully

WA VAN'T FOORT
For: Torbious Solutions CC

Our Reference:
T8954/ 17/2/3/GS - 73

Your Reference:

2 February 2012

Owner Portion 11 of the Farm Kelvinside 95 IT
Mr G H Roux
P O Box 70
Lake Chrissie
Ermelo
2330



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

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

e-mail: admin@torbiousolutions.co.za

Via Registered Mail

DEAR SIR

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) li (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 1 OF THE FARM GRASDAL 94 IT.

We are acting on behalf of MTN (Pty) Ltd in order to apply to the Mpumalanga Department of Economic Development, Environment and Tourism to establish a telecommunication base station on **Portion 1 of the Farm Grasdal 94 IT**

Attached hereto find:

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

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

Yours faithfully



WA VAN'T FOORT
For: Torbious Solutions CC

Our Reference:
T8954/ 17/2/3/GS - 73

Your Reference:

2 February 2012

Owner Portion 14 of the Farm Knockdhu 93 IT
Mr G S Barnard
P O Box 791
Boekenhout
Naboomspruit
0561



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

Via Registered Mail

DEAR SIR

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 1 OF THE FARM GRASDAL 94 IT.

We are acting on behalf of MTN (Pty) Ltd in order to apply to the Mpumalanga Department of Economic Development, Environment and Tourism to establish a telecommunication base station on **Portion 1 of the Farm Grasdal 94 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: Torbiouse Solutions CC

Our Reference:
T8954/ 17/2/3/GS - 73

Your Reference:

2 February 2012

Owner Remaining Extent of the Farm Grasdal 94 IT
Mr P Bolton
P O Box 4753
The Reeds
0061



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

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

Via Registered Mail

DEAR SIR

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 1 OF THE FARM GRASDAL 94 IT.

We are acting on behalf of MTN (Pty) Ltd in order to apply to the Mpumalanga Department of Economic Development, Environment and Tourism to establish a telecommunication base station on **Portion 1 of the Farm Grasdal 94 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: Torblouse Solutions CC

Our Reference:
TB954/ 17/2/3/GS - 73

Your Reference:

2 February 2012

**Owner Remaining Extent of Portion 3 of the
Farm Bellevue 76 IT**
Madonsela Family Agricultural Trust
P O Box 1387
Mpuluzi
2335



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

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

Via Registered Mail

DEAR SIR / MADAM

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 1 OF THE FARM GRASDAL 94 IT.

We are acting on behalf of MTN (Pty) Ltd in order to apply to the Mpumalanga Department of Economic Development, Environment and Tourism to establish a telecommunication base station on **Portion 1 of the Farm Grasdal 94 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: Torblouse Solutions CC

Our Reference:
T8954/ 17/2/3/GS - 73

Your Reference:

2 February 2012

**Owner Remaining Extent Portion 1 and Portion 12
of the Farm Knockdhu 93 IT**
G H Roux Trust
P O Box 70
Lake Chrissie
Ermelo
2330



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

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

e-mail: admin@torblousesolutions.co.za

Via Registered Mail

DEAR SIR / MADAM

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 1 OF THE FARM GRASDAL 94 IT.

We are acting on behalf of MTN (Pty) Ltd in order to apply to the Mpumalanga Department of Economic Development, Environment and Tourism to establish a telecommunication base station on **Portion 1 of the Farm Grasdai 94 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: Torblouse Solutions CC

PUBLIC PARTICIPATION PROCESS

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

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

Location: Portion 1 of the farm Grasdal 94 IT

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

**Alternative 1: Latitude: 26° 18' 16.90" S Longitude: 30° 21' 01.01" E
Lattice type mast painted red and white**

Notice is hereby given of a public participation process in terms of the Environmental Impact Assessment Regulations 2010 (R543) promulgated in terms of the National Environmental Management Act 1998 (Act No. 107 of 1998) ("NEMA"). Basic assessment procedures will be applied in accordance with regulation 543 and an application was submitted to the Mpumalanga Department of Economic Development, Environment and Tourism.

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

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

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

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

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

Notice publication date: 2 February 2012

UHLELO LOKUHLANGANYELA KOMPHEKATHI

INOMBOLO YEREFERENSI: 17/2/3/GS-73

Umyalelo womthetho 546 umsebenzi 3 (a) & (b) : (a) ii (ee) : Isakhiwo esiyisizinda sezokuxhumana ngocingo esivalekile se-MTN (Pty) Ltd ene-mast engama- 54m kanye nendawo (nezindawo) yokubeka Impahla: T8954 Grasdal Farm

Indawo: Portion 1 of the farm Grasdal 94 IT

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

**Esihlukile 1: Ububanzi: 26° 18' 16.90" S Ubude: 30° 21' 01.01" 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 yamenezelwa ngokuhambisana Nomthetho Wokuphatha Ezenhlalo Kuzwelonke (i-National Environmental Management Act) ka-1998 (Umtheitho weNombolo-107 ka-1998) njengoba uchibiyelwe (i-"NEMA").Izinqubo eziyisisekelo zokuhlola zizoseishenziswa ngokuvumelana nemiyalelo yomthetho 543 bese kufakwa isicelo eMnyangweni Wezollimo, Ukunakekela kanye neZemvelo WaseMpumalanga.Umenzi wesicelo uhlose futhi ukwenza isicelo kulMnyango Wezollimo waseMpumalanga, Ukulondolozwa Kwamagugu Nezemvelo ukuze akhululwe ngokwemibandela yomithetho 50(1) weMithetho Yokuhlola Kokuhlinteka Kwemvelo ka-2010 (R543) ukuze ahlole ezinye izindlela zokuqhubeka nomsebenzi ohleliwe.

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

Isisebenzi Esihlola Ezemvelo (Environmental Assessment Practitioner (EAP)):
Torblouse Solutions CC., P.O. Box 32017, Totiusdal, 0134
kuqondliwe ku- W Van't Foot .
Uchingo: (012) 804 1504/6, Ifekst: (012) 804 7072,
i-e-meyili: admin@torblousesolutions.co.za

Olunye ulwazi maqondana nato 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 esibaliwe noma isicelo sokubhalisa, namagama abo, ikheli lendawo neleposi (kufakwe ifeksi ne-e-meyili uma kunokwenzeka) kanye nezinombolelo zokubalhlala futhi basho nenombolo yereferensi yomsebenzi, ku-EAP ezinsukwini zekhalenda ezingama-30 kusukela ekushicilelweni kwalesi saziiso.

Usuku lokushicilelwa kweSaziiso: 2 February 2012



1445 Peachtree Street, Suite 1400 Atlanta, Georgia 30309
 Phone: 404.973.4100
 Fax: 404.973.4100
 www.mtn.com

GRASDAL FARM
 BASE STATION NUMBER: **T8954**

REV	DATE	BY	DESCRIPTION
A	24/12/2011	MM	PRINT ISSUE

NOTES
 CHECK NEIGHBORHOOD TRUST

STRICTLY COMPANY CONFIDENTIAL
 PROPERTY DESCRIPTION
 PORTION 1 OF THE FARM GRASDAL, IN IT

COORDINATES
 LAT: 33° 18' 18.67" N
 LONG: 82° 21' 01.97" E

PROJECT
 NEW 3-LEGGED TELECOMMUNICATION MAST WITH
 A 3-LEG LATTICE MAST FOR MTN (PTN) LTD

ADDRESS
 OFF RPT ON THE RIGHT HAND SIDE CROSSLAGED,
 GRASDAL FARM,
 BRUNSWICK, GA



1445 Peachtree Street, Suite 1400 Atlanta, Georgia 30309
 Phone: 404.973.4100
 Fax: 404.973.4100
 www.ips-services.com

IPSS INC.
 01008
 115004

PROJECT NUMBER
 115004

THIS DRAWING SHALL BE ISSUED AS A PRELIMINARY DESIGN ONLY. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL DATA, INFORMATION AND CONDITIONS TO BE USED IN CONNECTION WITH THIS DRAWING. ALL WORK TO BE PERFORMED ACCORDING TO THE IPSS SITE SPECIFICATIONS AND STANDARDS. THIS IS A PRELIMINARY DESIGN ONLY.

DRAWN NEREMICA MAURITA | **DATE** 24/12/2011
SCALE N/A | **REF. NO.** N/A

FACILITY ILLUSTRATION
SHEET 8 OF 9



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

List of REGISTERED LETTERS Lys van GEREGISTREERDE BRIEWE

T8954



(With an insurance option/met 'n versekeringsopsie)

Full tracking and tracing/Volledige volg en spoor

Name and address of sender
Naam en adres van afsender: **Tobious Solutions**
PO BOX 32017
TOTTIUSDAL 0134
TEL. (0181) 904 1804/8

Enquiries/Navraag
Toll free number
Tolvry nommer
0800 111 502

No	Name and address of addressee Naam en adres van geadresseerde	Insured amount Versekerde bedrag	Insurance fee Versekeringsgeld	Postage Posgeld	Service fee Diensgeld	Affix Track and Trace customer copy Plak Volg-en-Spoor-kliëntekopie	
1	National Government of the Republic of South Africa Private Bag X3 Broomfontein 2017	Owner R.E. of the farm	R.E. of the farm	Portion 7	Lake Bonarhe	REGISTERED LETTER with a domestic insurance option ShareCall 0800 111 502 www.spo.co.za RD 604 457 248 ZA	
2		02 IT	R.E. of the farm	Bellevue 76 IT and	Portion	CUSTOMER COPY 301028R	
3		2 OF the farm		Grasdal 94	IT.		
4	Mr. G.S. Barnard P.O. Box 791 Boker- have Naboomspruit 0561	Ptr 14 of the farm		Knockdhu	93 IT	REGISTERED LETTER with a domestic insurance option ShareCall 0800 111 502 www.spo.co.za RD 604 457 185 ZA	
5	Mr. P. Bolton P.O. Box 4753 Tue- Reeds 0061	R.E. of the farm		Grasdal 94	IT	REGISTERED LETTER with a domestic insurance option ShareCall 0800 111 502 www.spo.co.za RD 604 457 177 ZA	
6	Mr. G.H. Roux P.O. Box 70 Lake Chrissie Ermelo 2330	Ptr 11 of the farm		Kelvin Side 98	IT	CUSTOMER COPY 301028R REGISTERED LETTER with a domestic insurance option ShareCall 0800 111 502 www.spo.co.za RD 604 457 163 ZA	
7	Mr. B.T. Nyasi P.O. Box 176 Belfair 1193	Ptr 4 of the farm		Bellevue 76	IT	REGISTERED LETTER with a domestic insurance option ShareCall 0800 111 502 www.spo.co.za RD 604 457 132 ZA	
8	Madonjeia Family Agricultural Trust P.O. Box 1387 Mpuluzi 2335	R.E. of ptr 3 of the farm		Bellevue 76	IT	CUSTOMER COPY 301028R REGISTERED LETTER with a domestic insurance option ShareCall 0800 111 502 www.spo.co.za RD 604 457 156 ZA	
9	Mavula Communal Property Association P.O. Box 1387 Mpuluzi 2335	Ptr 1 of the farm		Bigauwater 9	IT	CUSTOMER COPY 301028R REGISTERED LETTER with a domestic insurance option ShareCall 0800 111 502 www.spo.co.za RD 604 457 146 ZA	
10	G.H. Roux Trust P.O. Box 70 Lake Chrissie Ermelo 2330	R.E. Ptr 1 and		Ptr 12 of the farm	Knockdhu 93 IT	CUSTOMER COPY 301028R REGISTERED LETTER with a domestic insurance option ShareCall 0800 111 502 www.spo.co.za RD 604 457 139 ZA	
		Total	Totaal	R	R	R	R

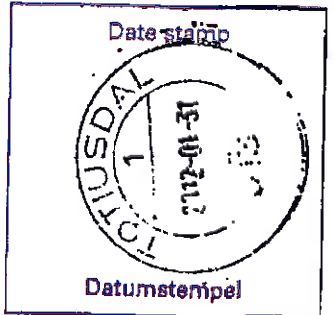
Number of letters posted
Getal briewe gepos: **8**

Signature of client
Handtekening van kliënt: *[Signature]*

Signature of accepting officer
Handtekening van aanneembeampte: *[Signature]*

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

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



Our Reference:
T8954/ 17/2/3/GS - 73

Your Reference:

2 February 2012

Owner Portion 8 of the Farm Knockdhu 93 IT
Springbank Trust
Mnr Gert Oosthuizen



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

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

e-mail: admin@torblousesolutions.co.za

E- Mail : gertvet@vodamail.co.za

DEAR SIR / MADAM

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) II (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 1 OF THE FARM GRASDAL 94 IT.

We are acting on behalf of MTN (Pty) Ltd in order to apply to the Mpumalanga Department of Economic Development, Environment and Tourism to establish a telecommunication base station on **Portion 1 of the Farm Grasdal 94 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: Torblouse Solutions CC

Wilbert Van't Foort

From: Beverley Schöpf
Sent: 06 February 2012 10:35 AM
To: 'gertvet@vodamail.co.za'
Subject: 120206 Telecommunication Infrastructure - T8954 Grasdal Farm
Attachments: T8954 Owner Ptn 8 of the Knockdhu 93 IT.pdf; T8954 Public Notice English & Isizulu(Exemption).pdf; DWG FI_RA-T8954.pdf; DWG SDP_RA-T8954.pdf

Geagte Mnr Oosthuizen

Hiermee aangehg dokumentasie vir u aandag en kommentaar.

Indien u enige verdere navrae het in die verband, skakel ons gerus.

Groete

Beverley Schopf



Torbiouse Solutions CC
414 Rustic Road, Silvertondale, 0184
PO Box 32017, Totiusdal, 0194
e-mail: admin@torbiousesolutions.co.za

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

PUBLIC PARTICIPATION PROCESS

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

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

Location: Portion 1 of the farm Grasdal 94 IT

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

Alternative 1: Latitude: 26° 18' 16.90" S Longitude: 30° 21' 01.01" E
Lattice type mast painted red and white

Notice is hereby given of a public participation process in terms of the Environmental Impact Assessment Regulations 2010 (R543) promulgated in terms of the National Environmental Management Act 1998 (Act No. 107 of 1998) ("NEMA"). Basic assessment procedures will be applied in accordance with regulation 543 and an application was submitted to the Mpumalanga Department of Economic Development, Environment and Tourism.

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

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

Environmental Assessment Practitioner (EAP):

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

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

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

Notice publication date:

2 February 2012

UHLELO LOKUHLANGANYELA KOMPHEKATHI

INOMBOLO YEREFERENSI: 17/2/3/GS-73

Umyalelo womthetho 546 umsebenzi 3 (a) & (b) : (a) ii (ee) : Isakhiwo esiysisizinda sezokuxhumana ngocingo esivalekile se-MTN (Pty) Ltd ene-mast engama- 54m kanye nendawo (nezindawo) yokubeka impahla: T8954 Grasdal Farm

Indawo: Portion 1 of the farm Grasdal 94 IT

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

Esihlukile 1: Ububanzi: 26° 18' 16.90" S Ubude: 30° 21' 01.01" E
Induku ye-lattice ependwe ngokubomvu nokumhlophe

Ngalokhu kunikezwa isaziso senqubo yokubamba iqhaza komphakathi ngokuhambisana Nemithetho Yokuhlola Umthelela Wamandla Kwezinhlobo (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, Ukunakekela kanye neZemvelo WaseMpumalanga. Umenzi wesicelo uhlose futhi ukwenza isicelo kuMnyango Wezolimo waseMpumalanga, Ukulondolozwa Kwamagugu Nezemvelo ukuze akhulule ngokwemibandela yomthetho 50(1) weMithetho Yokuhlola Kokuthinteka Kwemvelo ka-2010 (R543) ukuze ahlole ezinye izindlela zokuqhubeka nomsebenzi ohleliwe.

Umuntu ofaka isicelo:

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

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

Torbiose Solutions CC., P.O. Box 32017, Totiusdal, 0134
kuqondiswe ku- W Van't Foot ,
Ucingo: (012) 804 1504/6, Ifeksi: (012) 804 7072,
i-e-meyili: admin@torbiosolutions.co.za

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

Usuku lokushicilelwa kweSaziso:

2 February 2012



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



1377 Pendergast Street,
Mankato, Minnesota 56001
Phone: 507.541.5400
Fax: 507.541.5400
www.mtn.com

1377 Pendergast Street,
Mankato, Minnesota 56001
Phone: 507.541.5400
Fax: 507.541.5400
www.mtn.com

SITE NAME GRASDAL FARM

BASE STATION NUMBER T8954

REV	DATE	BY	DESCRIPTION
A	24/1/2011	HM	PRINT ISSUE

NOTES
OWNER: WELVERDEND TRUST

STRICTLY COMPANY CONFIDENTIAL
PROPERTY DESCRIPTION
PORTION 1 OF THE FARM GRASDAL IN IT

COORDINATES
LAT: 30° 14' 00" N
LONG: 30° 21' 01.01" E

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

ADDRESS
OFF 117 ON THE RIGHT HAND SIDE CHRISSEBEEER,
GRASDAL FARM,
MUPUMALANGA



414 Pendergast Street,
Mankato, Minnesota 56001
Phone: 507.541.5400
Fax: 507.541.5400
www.mtn.com

P.O. Box 20017
Mankato, MN 56001
0134

RFQ NO. 181848

PROJECT NUMBER 119654

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 IETS SITS SITE INFRASTRUCTURE SPECIFICATION 0001/001 ISSUE 1 REVISION 8 NOVEMBER 2007

DRAWN: HENDRICK MANKITA DATE: 24/1/2011

SCALE: NTS REF. NO: B1278954

FACILITY ILLUSTRATION SHEET 8 OF 8



1877 Pretorius Street,
Black S. Highlands Computer
Pretoria, 0001
Tel: +27 (0)12 342 2000
Fax: +27 (0)12 342 2000
www.mtn.com

SITE NAME
GRASDAL FARM

BASE STATION NUMBER
T8954

REV	DATE	BY	DESCRIPTION
A	24/1/2011	HM	FIRST ISSUE

NOTES
OWNER: VULVENDRO TRUST

PROPERTY DESCRIPTION
STRICTLY COMPANY CONFIDENTIAL
PORTION 1 OF THE FARM GRASDAL 94 IT

COORDINATES
LAT: 28° 16' 16.00" S
LONG: 30° 21' 01.81" E

PROJECT
NEW 900m TELECOMMUNICATION BASESTATION WITH
A 84m LATTICE MAST FOR MTN (PTY) LTD

ADDRESS
OFF M17 ON THE RIGHT HAND SIDE CHRIBBESMEER,
GRASDAL FARM,
MPUMALANGA



414 Puddle Road
Pretoria, 0001
Tel: +27 (0)12 364 1900
Fax: +27 (0)12 364 1901
www.ipsafrica.co.za

REQ NO.
151800

PROJECT NUMBER
110504

SCALE
1:1000

DATE
24/1/2011

REF. NO.
81276954

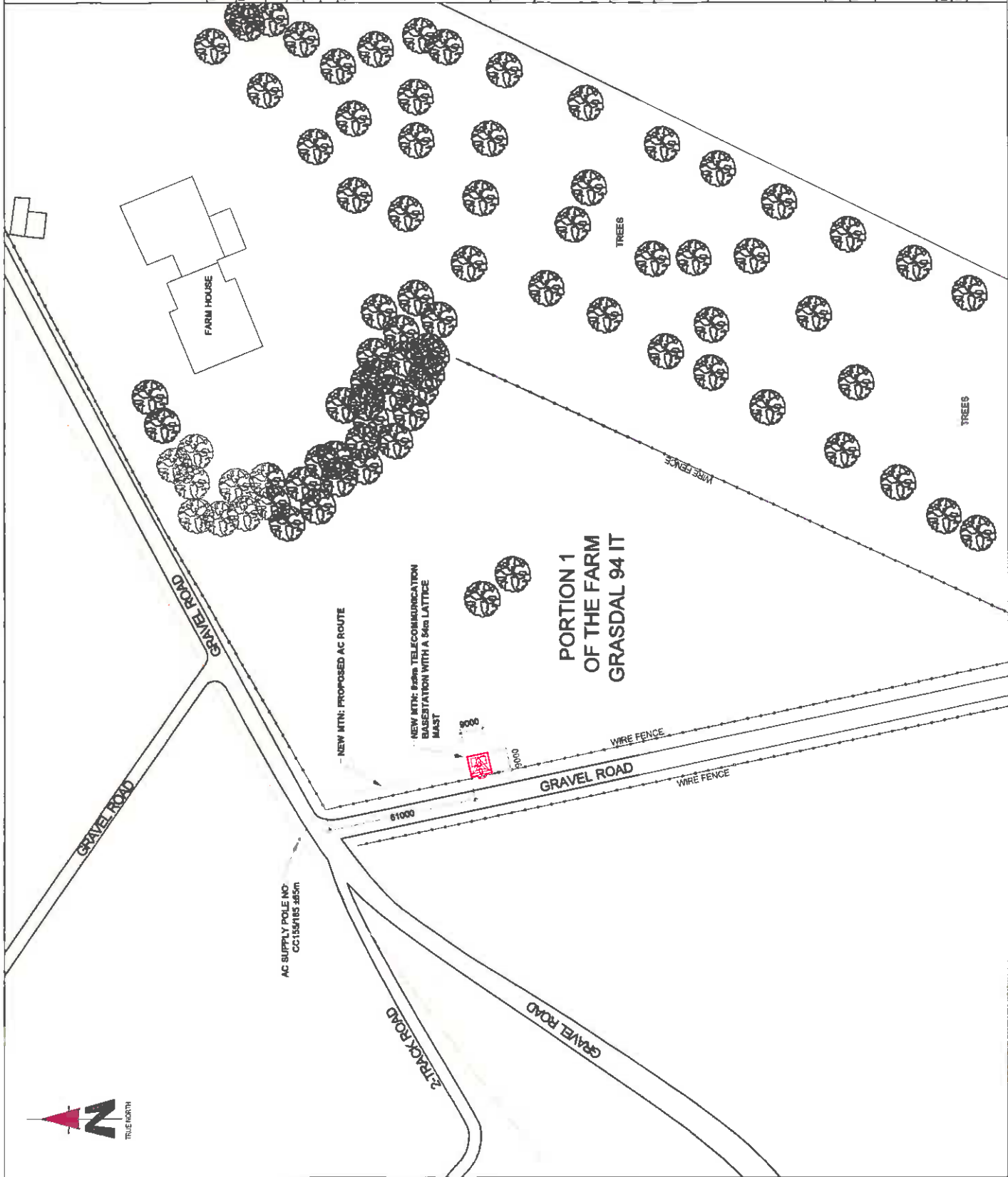
DRAWN: HENDRICK MANGITA

ISSUE 1: REVISION 0 NOVEMBER 2007

DRINKING WATER NOT BE CALLED. ONLY PREPARED DIMENSIONS TO BE USED. DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT OF WORKS.

ALL WORKS TO BE IN ACCORDANCE WITH THE SITE INFRASTRUCTURE SPECIFICATION (NOV 07)

SITE DEVELOPMENT PLAN
SHEET 3 OF 9



Our Reference:
T8954 / 17/2/3/GS-73

Your Reference:

2 February 2012

The Municipal Manager
Msukallgwa Local Municipality
P.O.Box 48
Ermelo
2350

Attention: Mr T.Dlamini
Environmental Management Section

Facsimile: (017) 801 3851
E-mail:



Reg. No. 2001/080538/23

PO Box 32017, Totterdals, 0134

414 Rustic Road
Silvertondale, 0184
Pretoria

Tel: (012) 804 1504/ 6

Fax: (012) 804 7072

e-mail: admin@torbiousolutions.co.za

Dear Sir / Madam,

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 ("NEMA") AS AMENDED TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 1 OF THE FARM GRASDAL 94 IT.

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

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

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

Kind Regards,

WA VAN'T FOORT

For: Torbious Solutions cc

Comments:

TX Result Report

P 1
 01/02/2012 15:42
 Serial No. AD2E041005518
 TC: 788554

Destination	Start Time	Time	Prints	Result	Note
0178013851	02-01 15:39	00:03:24	010/010	OK	

Note TX: Timer TX, COL: Collation, DSN: Original Size Section, FSE: Frame Error TX,
 RX: Mixed Original TX, CALL: Manual IS, CONC: Conc, FWD: Forward, PC: PC-Fax,
 SLY: Single-Page Binding Direction, SS: Special original, PCODE: F-Code, RTX: Re-TX,
 RLY: Relay, RCL: Confidential, BULL: Bulletin, BIP: BIP Fax, IPADR: IP Address Fax,
 I-FAI: 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, POWER:Receiving page Over, FIL:File Error,
 DC:Decode Error, MDN:MDN Response Error, DSN:DSN Response Error.

Our Reference:
 T8954 / 17/2/3/GS-73

Your Reference:

2 February 2012

The Municipal Manager
 Msukalligwa Local Municipality
 P.O.Box 48
 Ermelo
 2350

Attention: Mr T.Dlamini
 Environmental Management Section

Facsimile: (017) 804 3851
 E-mail:



Reg. No. 2001/060638/23
 PO Box 22017, Teyateyanan, 0154
 414 Rustia Road
 Silvertondale, 0154
 Pretoria
 Tel: (012) 504 1654/ 6
 Fax: (012) 504 7072
 e-mail: admin@torbiousesolutions.co.za

Dear Sir / Madam,

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 ("NEMA") AS AMENDED TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 1 OF THE FARM GRASDAL 94 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: Torbious Solutions cc

Comments:

Our Reference:
T8954/ 17/2/3/GS-73

Your Reference:

2 February 2012

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

Attention: Clr K H Dladla
Councillor: Ward 12

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 ("NEMA") AS AMENDED TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (A) & (B) : (A) II (EE) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 1 OF THE FARM GRASDAL 94 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-malling 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:

TX Result Report

P 1
 01/02/2012 15:47
 Serial No. A02E041005510
 TC: 788559

Destination	Start Time	Time	Prints	Result	Note
0178013851	02-01 15:44	00:03:12	010/010	OK	

Note TX: Time TX, POL: Polling, ORG: Original Size, Sektors, FME: From, Error TX, RND: Ring of signal to call, Manual ID: CSCT, CSCT, Fwd: Forward, PC: PC Fax, BLD: Bid-Linked Binding Direction, SS: Special Original, FCODE: F-code, RTX: RS-TX, BLD: Relay, RND: Conventional, BULL: Bulletin, BIP: BIP Fax, IPADR: IP Address Fax, I-FAX: Internet Fax

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

Our Reference:
 T8954/ 17/2/3/GS-73

Your Reference:

2 February 2012

The Ward Councillor
 Msukalligwa Local Municipality
 P.O.Box 48
 Ermelo
 2330

Attention: Cnr K H Dladla
 Councillor: Ward 12

Facsimile: (017) 801 3651
 E-mail:



Reg. No. 2001/080538/23
 PO Box 22017, Tsoelike, 0134
 414 Rustic Road
 Silvertondale, 0184
 Pretoria
 Tel: (012) 804 1894/8
 Fax: (012) 804 7072
 e-mail: admin@torbiousesolutions.co.za

Dear Sir / Madam,

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 ("NEMA") AS AMENDED TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (A) & (B) I (A) II (EE) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 1 OF THE FARM GRASDAL 94 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
 WA VAN'T FOORT
 For: Torbious Solutions cc

Comments:

Our Reference:
T8954 / 17/2/3/GS-73

Your Reference:

2 February 2012

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

Attention: Mr M Ngcobo
Environmental Management Section

Facsimile: (017) 631 1607

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@torblousesolutions.co.za

Dear Sir / Madam,

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 ("NEMA") AS AMENDED TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 1 OF THE FARM GRASDAL 94 IT.

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

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

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

Kind Regards,


WA VAN'T FOORT

For: Torblouse Solutions cc

Comments:

TX Result Report

P 1
 07/02/2012 14:23
 Serial No. A02E041005510
 TC: 791863

Destination	Start Time	Time	Prints	Result	Note
0178111207	02-07 14:20	00:03:07	010/010	OK	

Note TMR: Toner TX, POL: Polling, ORS: Original Size Setting, FME: Frame Error TX,
 MKN: Mixed Original TX, CALL: Manual TX, CSRC: CSRC, FOO: Forward, DC: DC-Fax,
 BLD: Double-Sided Binding Direction, SS: Special Original, FCODE: F-Code, RTN: Re-TX,
 BLV: Relay, HCN: 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:
 T8954 / 17/2/08-73

Your Reference:

2 February 2012

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

Attention: Mr M Ngoobo
 Environmental Management Section

Facsimile: (017) 631 1607
 E-mail:

Dear Sir / Madam,

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 ("NEMA") AS AMENDED TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) II (aa) IN REGULATION 540: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 1 OF THE FARM GRASDAL 94 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,

W. Van't Foort
 WA VAN'T FOORT
 For: Torbious Solutions cc

Comments:



Reg. No. 2001/080636/23
 PO Box 22017, Tshwane, 0134
 414 Rustic Road
 Silvertondale, 0184
 Pretoria
 Tel: (012) 804 1504 / 8
 Fax: (012) 824 7072
 e-mail: admin@torbiousolutions.co.za



MTN
 1-877-453-6242
 1-877-453-6242
 1-877-453-6242

GRASDAL FARM
 T8954

REV	DATE	BY	DESCRIPTION
A	2/21/2011	JM	PRINT ISSUE

NOTES
 CHANGE NEVELOUND TRUST

STRICTLY COMPANY CONFIDENTIAL
 PROPERTY DESIGNATION
 PORTION 1 OF THE FARM GRASDAL MIT

COORDINATES
 LAT: 20° 18' 16.90" N
 LONG: 102° 21' 01.01" E

PROJECT
 NEW 40MHz TELECOMMUNICATION INFRASTRUCTURE WITH
 A 50m LATITUDE MAT FOR MTN (PTY) LTD
 OFF MIT ON THE RIGHT HAND SIDE OF ROSSDALE
 GRASDAL FARM
 MQUILANDA



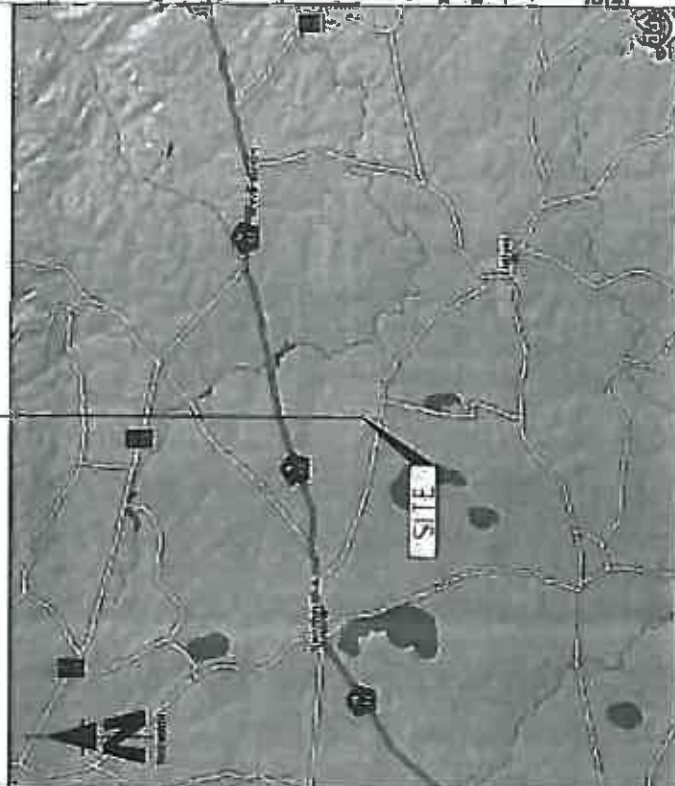
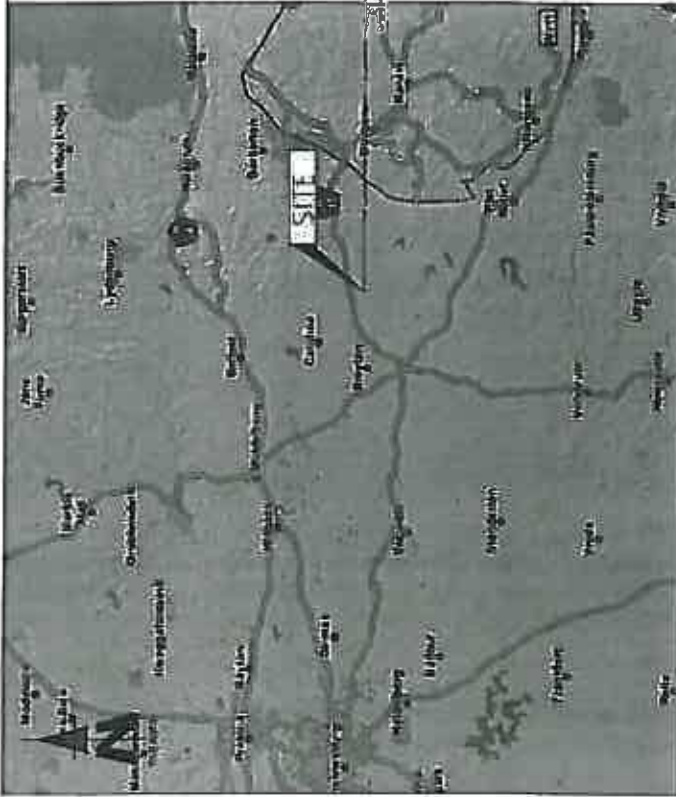
INFRASTRUCTURE
 PLANNING SERVICES

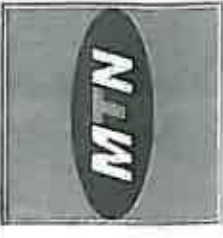
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DATE: 2/21/2011
 USER: JMD

LOCALITY MAP
 SHEET 1 OF 9

T8954
 GRASDAL FARM





ALL RIGHTS RESERVED
 For Circulation Only
 Project Name: T8854
 Date: 2014/09/11

GRASDAL FARM
 T8854

REV	DATE	BY	DESCRIPTION
A	2014/09/11	HUI	FINAL ISSUE

NOTES
 OWNER: MALVERNBO TRUST

PROPERTY DESCRIPTION
 STRIPE COMPANY CONFIDENTIAL
 PORTION 1 OF THE FARM GRASDAL, MI IT

COORDINATES
 LAT 20° 18' 16.94" N
 LONG 30° 21' 01.01" E

PROJECT
 NEW BORN TELECOMMUNICATION BASE STATION WITH
 A 5.4M LANTIRN MAST FOR MTR (PT) LTD
 OFF MTR ON THE RIGHT HAND SIDE CHRISSEMEER,
 GRASDAL FARM,
 SPURWALLANDA

ADDRESSES
 OFF MTR ON THE RIGHT HAND SIDE CHRISSEMEER,
 GRASDAL FARM,
 SPURWALLANDA

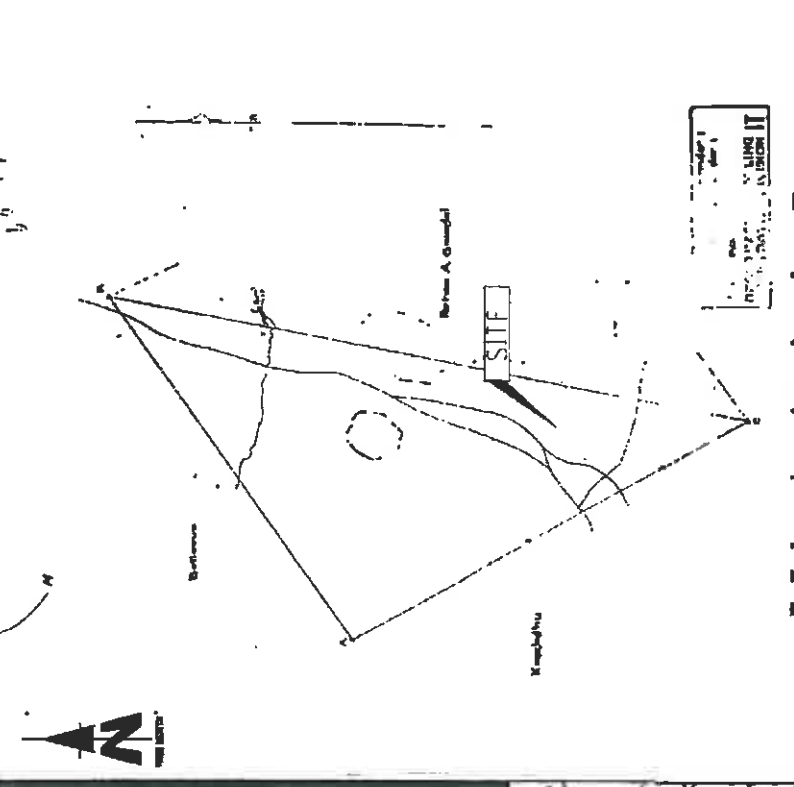


IPS PROJECT NO: T8854
 DATE: 2014/09/11
 SCALE: 1:1000

OWNER: MALVERNBO TRUST
 PROJECT NO: T8854
 DATE: 2014/09/11
 SCALE: 1:1000
 CADASTRAL INFO
 SHEET 2 OF 8

10 0.12
 AG. No. A. 711/14
 D.M.P. 2532

Found in the Surveyor General's Office, Ottawa, from the
 original plan of this survey, signed by the Surveyor

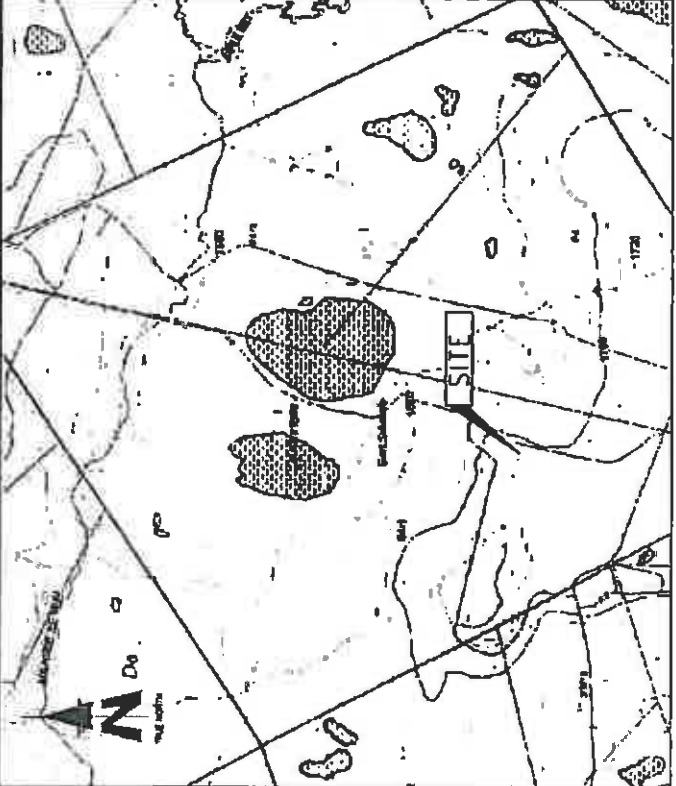


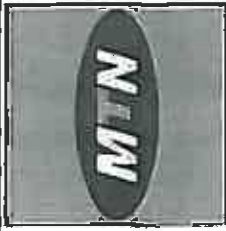
1:1000
 0 10 20 30 40 50 60 70 80 90 100
 METERS

GRASDAL 20170
 Lantirn
 Chrissemeer
 by the Surveyor General's Office, Ottawa, from the original plan of this survey, signed by the Surveyor

July 2003
 F. Wilmore
 Surveyor General

0010
 The 0010 boundary is the boundary of the Surveyor General's Office, Ottawa, from the original plan of this survey, signed by the Surveyor





MTN
 741 474 018 542 8289
 741 474 018 542 8289
 741 474 018 542 8289

LIST OF APPROVED SUPPLIERS
 Approved Supplier
 Approved Supplier
 Approved Supplier

SITE NAME
GRASDAL FARM

BASE STATION NUMBER
T8854

REV	DATE	BY	DESCRIPTION
A	24/11/2011	NM	PRINT REVISION

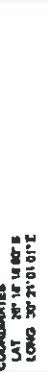
NOTES
 OWNER: INVERDUNO TRUST

STRICTLY COMPANY CONFIDENTIAL
 PROPERTY DESCRIPTION
 PORTION 1 OF THE FARM GRASDAL 94 IT

COORDINATES
 LAT 56° 14' 18.80" S
 LONG 3° 21' 01.01" E

PROJECT
 NEW 1800 TELECOMMUNICATION BASE STATION WITH
 A 30m LATTICE MAST FOR MTN (PTY) LTD

ADDRESSES
 OFF 117 ON THE RIGHT HAND SIDE CHARLES BAIRD SP
 GRASDAL FARM
 MFLUMAJA



INFRASTRUCTURE
 PLANNING SERVICES

181808
 1-15594

PROJECT NUMBER

DATE 24/11/2011

SCALE 1:1000

SHEET NO. 8 OF 20

SCALE 1:1000

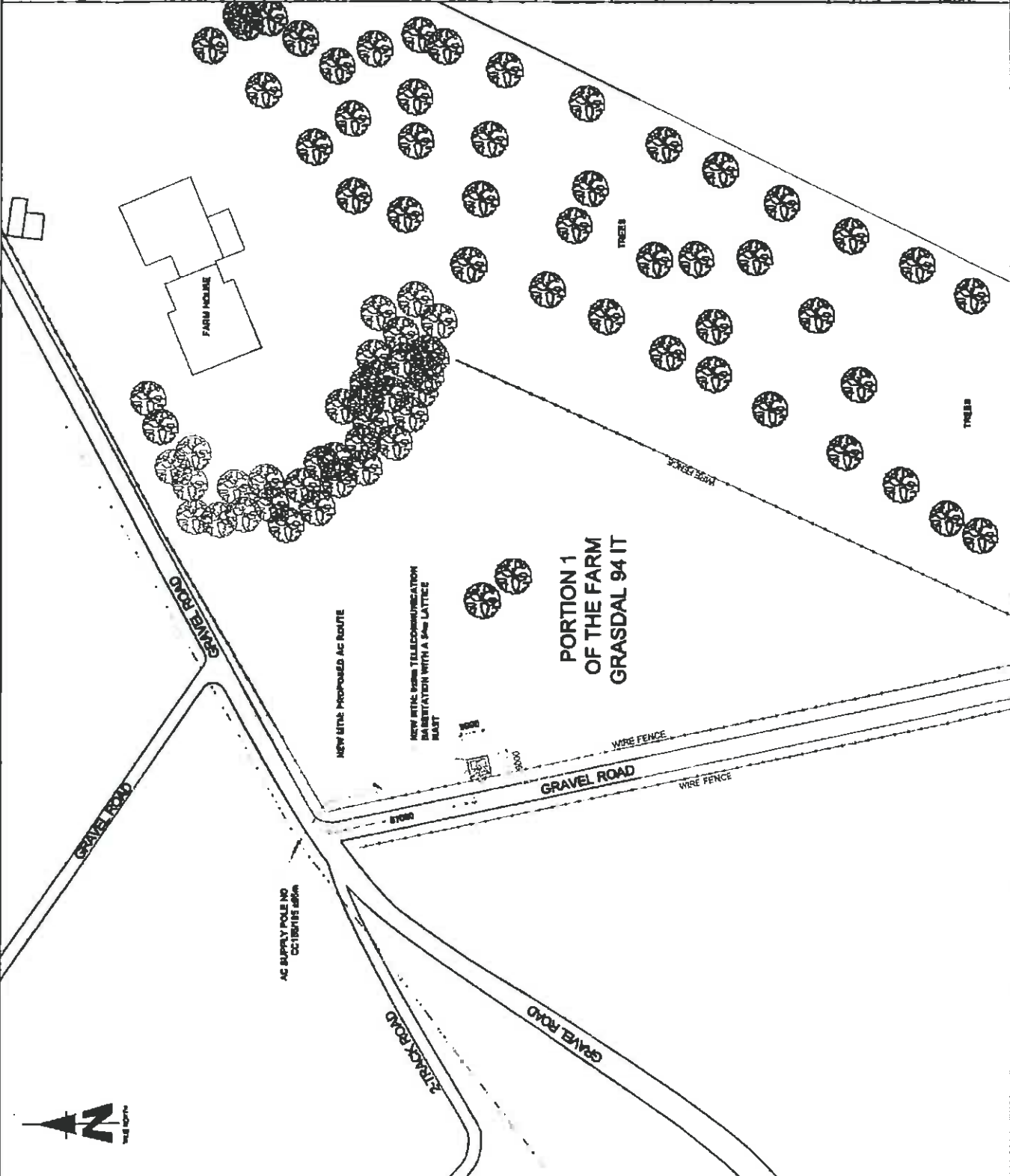
SCALE 1:1000

SCALE 1:1000

SCALE 1:1000

SCALE 1:1000

SCALE 1:1000



SITE DEVELOPMENT PLAN
 SHEET 3 OF 9



1807 Pretoria Road
 0181 Medunsa
 011 799 1000
 011 799 1001
 011 799 1002
 011 799 1003
 011 799 1004
 011 799 1005
 011 799 1006
 011 799 1007
 011 799 1008
 011 799 1009
 011 799 1010
 011 799 1011
 011 799 1012
 011 799 1013
 011 799 1014
 011 799 1015
 011 799 1016
 011 799 1017
 011 799 1018
 011 799 1019
 011 799 1020

PROJECT NAME
GRASDAL FARM

BASE STATION NUMBER
T8854

REV	DATE	BY	DESCRIPTION
A	24/10/2011	YOM	FIRST ISSUE

NOTES
 OWNER: HELDENBERG TRUST

STRICTLY COMPANY CONFIDENTIAL
 PROPERTY DESCRIPTION
 PORTION 1 OF THE FARM GRASDAL 94 IT

COORDINATES
 LAT 29° 27' 18.89" S
 LONG 30° 21' 01.01" E

PROJECT
 NEW 1800 TELECOMMUNICATION BASE STATION WITH
 A 30m LATTICE MAST FOR MTN (PTY) LTD

ADDRESSES
 OFF 117 ON THE RIGHT HAND SIDE CHRISTIEBEECHER
 GRASDAL FARM
 MPUTALANGA

IPS
 INFRASTRUCTURE
 PLANNING SERVICES

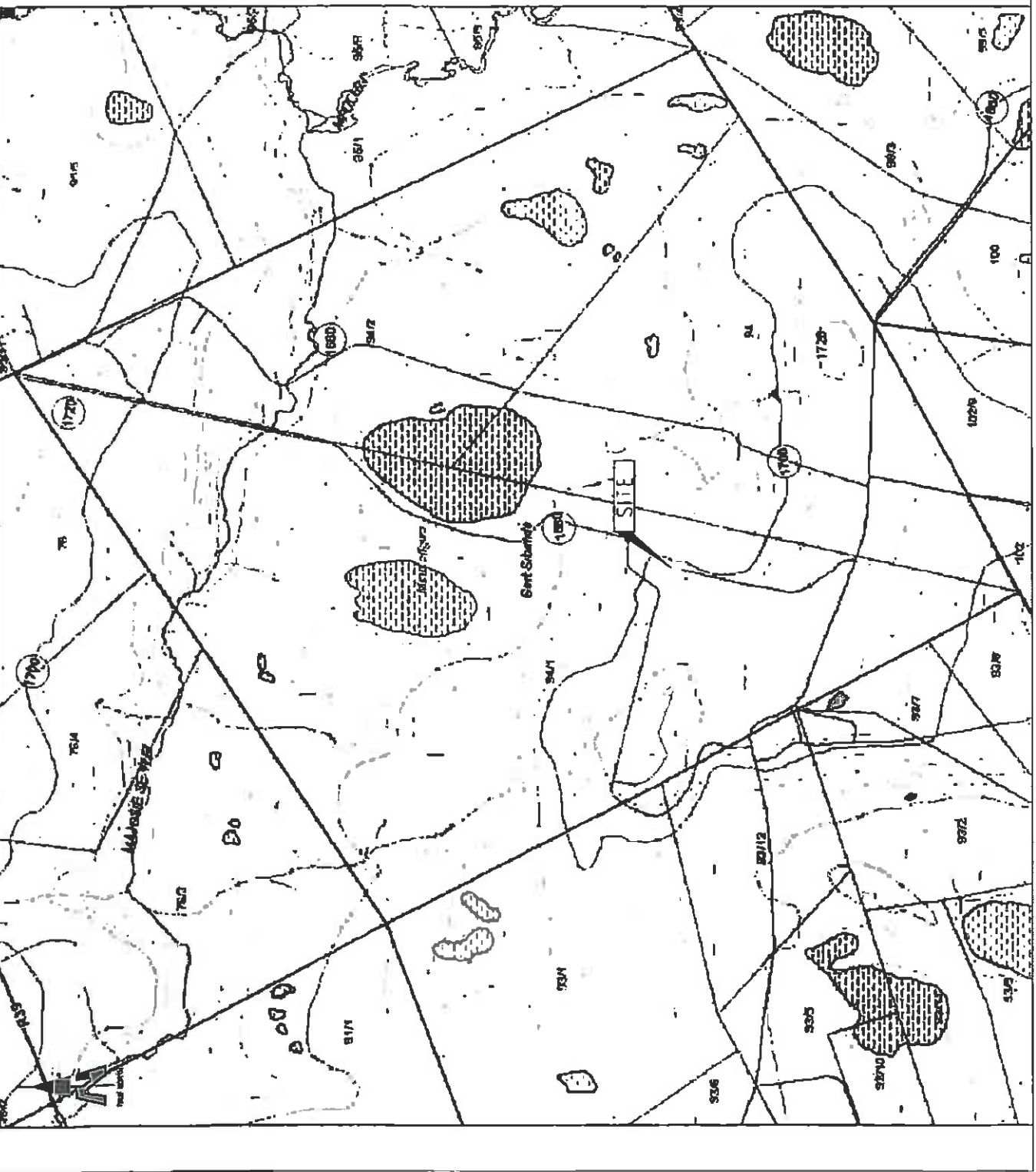
147 Trade Road
 Midrand
 1685
 011 799 1000
 011 799 1001
 011 799 1002
 011 799 1003
 011 799 1004
 011 799 1005
 011 799 1006
 011 799 1007
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 011 799 1013
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 011 799 1018
 011 799 1019
 011 799 1020

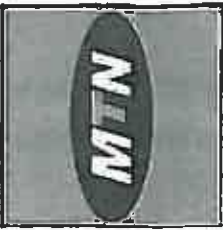
PROJECT NUMBER
 111664

CLIENTS MUST NOT BE BOULED. ONLY VERIFIED OPERATORS TO BE
 USED. OPERATORS TO BE VERIFIED AND ONLY BEFORE COMMENCEMENT
 OF WORK. ALL WORK TO BE DONE IN ACCORDANCE TO THE IPR SITE
 SPECIFICATIONS & REGULATIONS. OPERATOR
 MUST BE A REGISTERED OPERATOR.

SCALE 1:10
 SHEET NO. 8/27/1954

CONTOUR INTERVAL
 SHEET 5 OF 8





1237 Pongosa Road
 147 Pongosa Road
 P.O. Box 2007
 P.O. Box 2007
 P.O. Box 2007

GRASDAL FARM
 REGISTRATION NUMBER T8854

REV	DATE	BY	DESCRIPTION
A	20/1/2011	MM	PROJECT ISSUE

NOTES
 OWNER INVOICED TO PAY

STRICTLY COMPANY CONFIDENTIAL
 PROPERTY DESCRIPTION
 PORTION 1 OF THE FARM GRASDAL 94 IT

COORDINATES
 LAT 20° 18' 16.80" S
 LONG 30° 21' 01.07" E

PROJECT
 NEW MTN TELECOMMUNICATION BASESTATION WITH
 A 4m LATTICE MAST FOR MTN (PTV) LTD

ADDRESS
 OFF 107 ON THE RIGHT HAND SIDE CHURCH ROAD
 GRASDAL FARM,
 MPLAMALANKA

IPS
INFRASTRUCTURE
PLANNING SERVICES

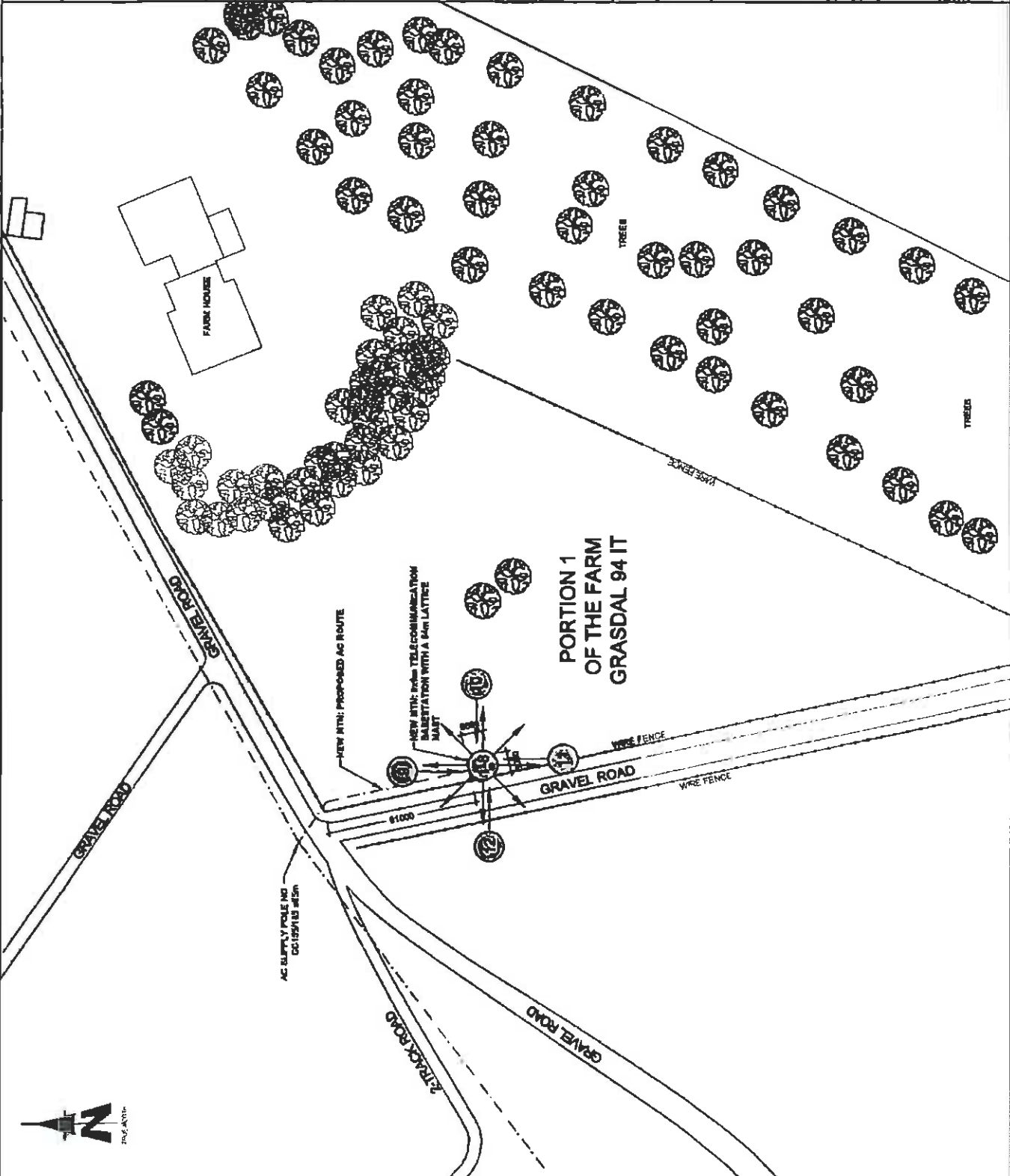
4/4 Masts Head
 14.000000
 14.000000
 14.000000
 14.000000

PROJECT NUMBER
 110064

DATE 20/1/2011
 SCALE 1:1000

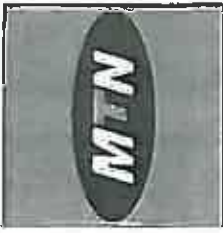
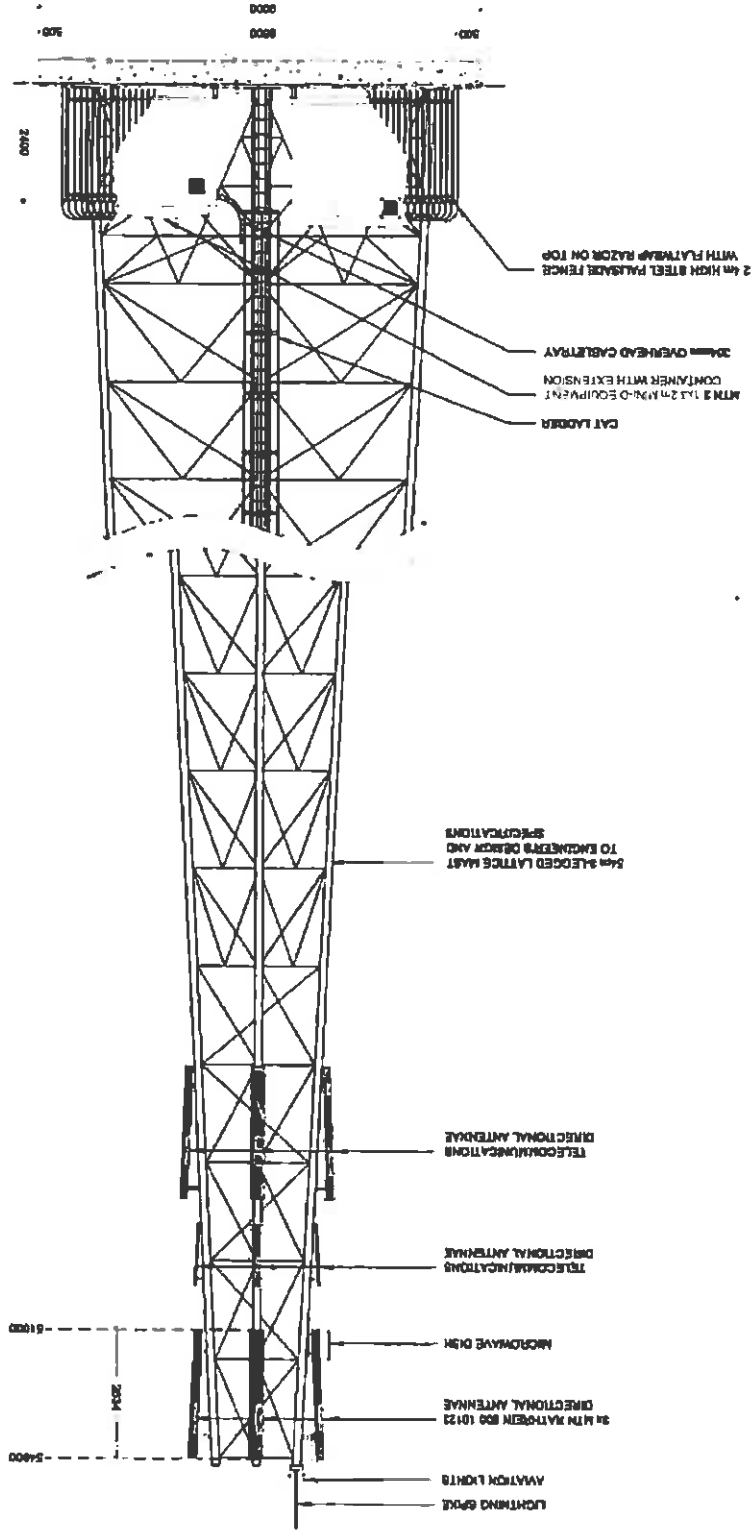
DATE 20/1/2011
 SHEET NO. 8 OF 9

SCALE 1:1000
 SHEET NO. 8 OF 9



MTN ANTENNAE KEY

SECTOR	AZIMUTH	ANTENNA	HEIGHT - MECH. TILT (m)	ELEC. TILT	FEEDER SIZE	FEEDER LENGTH (m)
1	0°	800 10123	81.4		7/8"	4.66
2	120°	800 10123	81.4		7/8"	4.66
3	240°	800 10123	81.4		7/8"	4.66



1001 Avenida Bonaire
 San Juan, Puerto Rico 00909
 Tel: (787) 486-1000
 Fax: (787) 486-1001

Project Name: GRASDAL FARM
 Base Station Number: T8964

REV	DATE	BY	DESCRIPTION
A	2/01/2011	NM	FINAL ISSUE

NOTES:
 OTHER INVOLVED PARTY

PROPERTY DESCRIPTION:
 PORTION 1 OF THE FARM GRASDAL, IN IT

COORDINATES:
 LAT: 20° 48' 18.80" N
 LONG: 30° 21' 01.01" E

PROJECT:
 NEW 34m TELECOMMUNICATIONS TOWER WITH
 24m LATTICE MAST FOR MTN (P/T/L/D)
 OFF MTN ON THE RIGHT HAND SIDE GARROZBAUER
 GRASDAL FARM,
 SAN JUAN, P.R.

ADDRESS:
 1001 Avenida Bonaire
 San Juan, Puerto Rico 00909
 Tel: (787) 486-1000
 Fax: (787) 486-1001

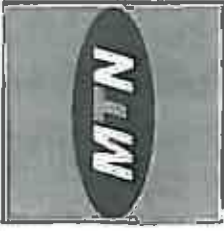


PROJECT NUMBER:
 T8964

DATE: 2/01/2011
 DRAWN BY: NM
 CHECKED BY: NM
 APPROVED BY: NM

SCALE: 1:100

EAST ELEVATION
 SHEET 8 OF 9



1887 Franklin Drive
 Minneapolis, MN 55425
 Phone: 612.339.1234
 Fax: 612.339.1235
 Website: www.mtn.com

Project No. 1887
 Date: 08/15/2011

GRASDAL FARM

T8954

REV	DATE	BY	DESCRIPTION
A	3/4/2011	MM	FIRST ISSUE

NOTES
 OWNER DELIVERED TOWER

STRICTLY COMPANY CONFIDENTIAL
 PROPERTY DESCRIPTION
 PORTION 1 OF THE FARM GRASDAL, IN IT

COORDINATES
 LAT 24° 18' 15.81" S
 LONG 107° 31' 01.81" E

PRODUCT
 NEW 3-LEGGED TELECOMMUNICATIONS TOWER WITH
 A 3-LEG LATTICE MAST FOR MTA (PT) LTD

ADDRESS
 OFF MIT ON THE RIGHT HAND SIDE CHRISSE/SWEEP
 GRASDAL FARM
 MINNAPOLIS, MN



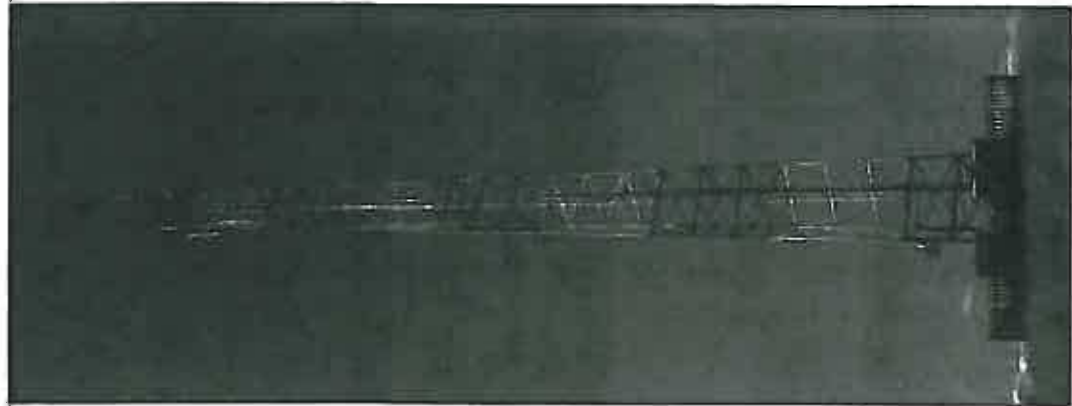
414 Franklin Drive
 Minneapolis, MN 55425
 Phone: 612.339.1234
 Fax: 612.339.1235
 Website: www.ips.com

PROJECT NUMBER
 T8954

UNLESS NOTED OTHERWISE, ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
 ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE
 INTERNATIONAL ELECTRICITY REGULATORY BOARD (IERB) 2007
 STANDARD FOR TELECOMMUNICATIONS TOWERS

DATE 08/15/2011
SCALE N/A

FACILITY ILLUSTRATION
SHEET 9 OF 9



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

Our Reference:
T8954 / 17/2/3/GS - 73

Your Reference:

2 February 2012

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



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

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

Via Registered Mail

DEAR SIR/MADAM

INTENTION TO SUBMIT AN APPLICATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT 1998 AS AMENDED ("NEMA") TO THE COMPETENT AUTHORITY FOR LISTED ACTIVITY 3 (a) & (b) : (a) ii (ee) IN REGULATION 546: ESTABLISHMENT OF A MTN (PTY) LTD TELECOMMUNICATION BASE STATION ON PORTION 1 OF THE FARM GRASDAL 94 IT.

We are acting on behalf of MTN (Pty) Ltd in order to apply to the Mpumalanga Department of Economic Development, Environment and Tourism to establish a telecommunication base station on **Portion 1 of the Farm Grasdal 94 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: Torblouse Solutions CC

PUBLIC PARTICIPATION PROCESS

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

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

Location: Portion 1 of the farm Grasdal 94 IT

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

Alternative 1: Latitude: 26° 18' 16.90" S Longitude: 30° 21' 01.01" E
Lattice type mast painted red and white

Notice is hereby given of a public participation process in terms of the Environmental Impact Assessment Regulations 2010 (R543) promulgated in terms of the National Environmental Management Act 1998 (Act No. 107 of 1998) ("NEMA"). Basic assessment procedures will be applied in accordance with regulation 543 and an application was submitted to the Mpumalanga Department of Economic Development, Environment and Tourism.

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

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

Environmental Assessment Practitioner (EAP):

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

Attention: W 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:

2 February 2012

UHLELO LOKUHLANGANYELA KOMPHEKATHI

INOMBOLO YEREFERENSI: 17/2/3/GS-73

Umyalelo womthetho 546 umsebenzi 3 (a) & (b) : (a) ii (ee) : Isakhiwo esiyisizinda sezokuxhumana ngocingo esivalekile se-MTN (Pty) Ltd ene-mast engama- 54m kanye nendawo (nezindawo) yokubeka impahla: T8954 Grasdal Farm

Indawo: Portion 1 of the farm Grasdal 94 IT

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

Eshlukile 1: Ububanzi: 26° 18' 16.90" S Ubude: 30° 21' 01.01" E
Induku ye-lattice ependwe ngokubomvu nokumhlophe

Ngalokhu kunikezwa iseziso senqubo yokubamba iqhaza komphakehl ngokuhambisana Nemithetho Yokuhlola Umthetho Wamandla Kwezehlalo (I-Environmental Impact Assessment Regulations) ka-2010 (R543) njengoba ichibiyelwe yamanyezelwa ngokuhambisana Nomithetho Wokuphatha Ezenhlalo Kuzwelonke (I-National Environmental Management Act) ka-1998 (Umithetho weNombolo-107 ka-1998) njengoba uchibiyelwe (i-"NEMA"). Izinqubo eziyisisekelo zokuhlola zizosetshenziswa ngokuvumelana nemiyalelo yomithetho 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 Kokuhinteka Kwemvelo ka-2010 (R543) ukuze ahlole ezinye izindlela zokuhubeka nomsebenzi ohleliwe.

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

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

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

kuqondiswe ku- W Van't Foort ,

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

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

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

Usuku lokushicilelwa kweSaziiso:

2 February 2012



1000 Pleasant Street
 Newark, New Jersey 07102
 Phone: 973.326.7000
 Fax: 973.326.7001
 www.mtn.com

CLIENT NAME
 GRASDAL FARM

PROJECT NUMBER
 TR854

REV	DATE	BY	DESCRIPTION
A	24/10/11	JM	PROJECT ISSUE

NOTES
 OTHER NETWORKS/TEST

PROPERTY DESCRIPTION
 STRICTLY COMPANY CONFIDENTIAL
 PORTION 1 OF THE FARM GRASDAL IN IT

COORDINATES
 LAT: 40° 18' 18.87" N
 LONG: 76° 37' 01.81" W

PROJECT
 NEW MTA TELECOMMUNICATION INFRASTRUCTURE WITH
 A 3-LEG LATTICE MAST FOR MTA IPTV LTD

ADDRESS
 677 HWY 97 ON THE RIGHT HAND SIDE CHESSERVALE,
 CHESSERVALE,
 WYOMING



IPS has been awarded the contract for the design and construction of the 3-LEG LATTICE MAST for MTA IPTV LTD. The mast is to be constructed on the right hand side of Highway 97, near the intersection of Highway 97 and Highway 100.

PROJECT NUMBER
 TR854

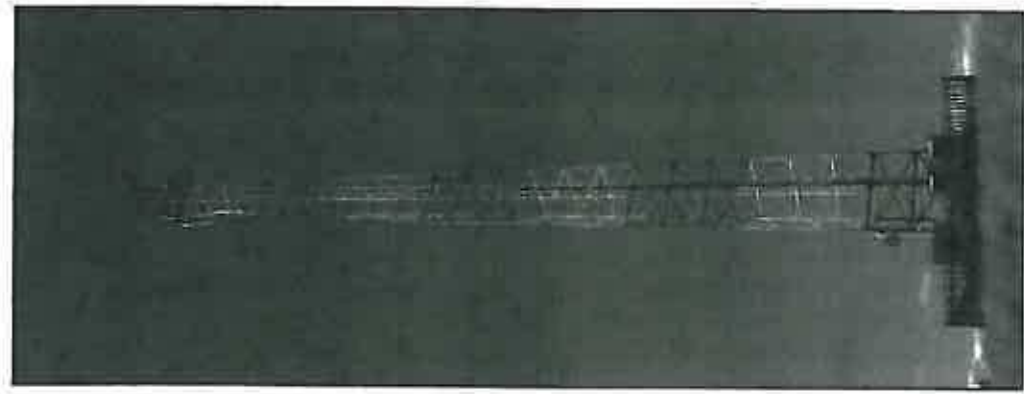
DATE
 24/10/11

BY
 JM

SCALE
 1:1

DATE
 24/10/11

BY
 JM



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

G3 – Civil Aviation Approval

SOUTH AFRICAN



**CIVIL AVIATION
AUTHORITY**

Physical Address:
Manga Lekimotla
Upper Class
Waterfall Park
Bechor Street
Midrand

Postal Address:
Private Bag 273
Halfway House
1685

Telephone Number:
+27 11 545 1000

Fax Number:
+27 11 545 1485

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

Website address:
www.caa.co.za

Enquiry to: Lizell Ströb
lizell@caa.co.za
Tel. 011 545 1232
Fax. 011 545 1451

23 April 2007

Turbouse Solutions
P O Box 32017
Totolosaal
0134

To: Mr Wim Anholts

Communication structure,

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

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

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

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

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

Note-

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

Kindly contact the writer if more information is required.



Lizell Stroh

AERODROME SAFETY OVERSIGHT

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

G4 – Proof of Newspaper Ad

Kennisgewings / Notices

**SEA PIKE ERMELO
DIEPSEE HENGELKLUB**

Die klub is tans op soek na nuwe lede. Indien u belangstel om lid te word, kontak ons op 082 335 9331.

19-12 Feb 2012 - Nieuwjaarsreëse na die Oos-kaap se natuurlike skoonheid. Kontak ons op 082 335 9331.

**R1150
R2299
R2299**

082 335 9331

Peuters plant groente



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

23.12/02/14

Supa Quick Samuel



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

23.12/102/12

Notices

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

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

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

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

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

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

Dokumente is beskikbaar in die Ermelo Biblioteek vir publieke insae.

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

Konsultant: GEOVICON ENVIRONMENTAL (Pty) Ltd
Postbus 4050
Middelburg
1050

Tel.: 013 243 0542
Faks.: 086 632 4936
E-pos: geovicon@africa.com
Sel no: 082 359 5604
Kontakpersoon: Riana Bate

3.2.12/102/14

**PUBLIC PARTICIPATION PROCESS
REFERENCE NUMBER: 17/2/3/GS-69**

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

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

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

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

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

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

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

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

Notice publication date: 2 February 2012

3.2.11/132/4

**PUBLIC PARTICIPATION PROCESS
REFERENCE NUMBER: 17/2/3/GS-51**

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

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

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

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

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

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

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

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

Notice publication date: 2 February 2012

3.2.11/132/4

**PUBLIC PARTICIPATION PROCESS
REFERENCE NUMBER: 17/2/3/GS-69**

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

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

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

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

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

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

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

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

Notice publication date: 2 February 2012

3.2.11/132/4

**PUBLIC PARTICIPATION PROCESS
REFERENCE NUMBER: 17/2/3/GS-73**

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

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

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

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

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

Applicant:
MTN (Pty) Ltd
P O Box 4559, Northcliff, 2115
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Further information regarding the proposed activity can be obtained from the EAP.

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

Notice publication date: 2 February 2012

3.2.11/132/4

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

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

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

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

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

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

Documents are available in the Ermelo Library for public scrutiny.

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

Consultant: GEOVICON ENVIRONMENTAL (Pty) Ltd
P. O. Box 4050
Middelburg
1050

Tel.: 013 243 0542
Fax: 086 632 4936
E-mail: geovicon@africa.com
Cell: 082 359 5604
Contact person: Riana Bate

3.2.12/102/14

G5 – Motivation for Exemption of assessing alternatives

Our Reference:
T8954 Grasdal Farm

Your Reference:
17/2/3/GS-73

11 June 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: 017 811 3992
E-mail: bemndawe@mpg.gov.za



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@torbiouseolutions.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 1 OF THE FARM GRASDAL 94 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 1 of the farm Grasdal 94 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 81m² footprint area. The development is planned open grassland where no large trees or any endangered plants will need to be removed. The neighbouring properties were not regarded as feasible site alternatives due to more limitations on the network coverage, as well as possible increased impact on the site footprint area where more indigenous vegetation would have to be removed. The environmental impact on the footprint area would most probably be of much higher significance if the site was moved to another locality within a certain radius from the proposed site.

(b) The type of activity to be undertaken:

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

(c) The design or layout of the activity:

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

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

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

(e) The operational aspects of the activity:

- Increased electricity consumption on the existing supply grid: The infrastructure is designed to operate on economical electricity consumption. A generator will be installed as a backup electricity supply in the event of a power failure. There are no feasible alternatives available to replace electrical power supply.
- Noise generation by air conditioning units and by backup generator if electricity supply fails: The air conditioning units and backup generator operate at very low and well accepted noise levels. There are no feasible alternatives to replace the air conditioning units or the backup generator.
- Non-ionising electromagnetic fields on allocated frequency: The electromagnetic fields are well below the accepted level to prevent any damage to living organisms (within International Commission on Non-ionising Radiation Protection, ICNIRP, and World Health Organisation, WHO, guidelines) and are restricted within the allocated frequency. There are no feasible alternatives to obtain the required network coverage within the allocated frequency.
- Increase in potential air traffic obstacles: Lower mast options are not feasible alternatives to reach the required network coverage as this would require multiple mast applications to reach the same network coverage with increased environmental impact on the footprint area of several masts as well as increased visual impact on each separate mast development.
- Visual impact of the 54m lattice mast painted red & white on short, medium and long distance observation: Other design, height or colour alternatives are not feasible as prescribed above.

We trust that the above motivation is sufficient to consider and approve this application for exemption from assessing several site alternatives.

Kind Regards,


Wilbert van't Foort

For: Torbouse Solutions cc