Form Ref. No. 207201

ADUR DISTRICT COUNCIL

Application For Planning Permission

TOWN AND COUNTRY PLANNING ACT, 1990

4 copies of this form required, together with plans and appropriate fee.
All measurements are to be given in metric.
If site relates to Lancing or Sompting, please submit 5 copies.

FOR OFFICIAL USE ONLY
Appl. No. ADC/0001/07
Date Received 20 FEB 2007
Fee 265
Rem. List

Applicant's Details

Title	
Forenames	
Surname or Company/ Organisation	T-Mobile (UK) Ltd
Telephone	01707 315000
Email	

Address: T Mobile Uk Ltd, Hatfield Business Park, HATFIELD, Hertfordshire
Postcode: AL10 9BW

Do you have an agent? Yes

Agent's Details

Title	
Forenames	
Surname	Stappard Howes
Telephone	01932 575900
Email Address	belinda.simpson@tycoelectronics.com

Address: Stappard Howes, Heriot House, Heriot Road, CHERTSEY, Surrey
Postcode: KT16 9DT

Application Type

(a) Full planning permission (including changes of use) Yes

(b) Outline planning permission

If 'Yes', state those matters to which this application relates (tick where appropriate)

- (i) Layout ☐
- (ii) Scale ☐
- (iii) External Appearance ☐
- (iv) The means of access ☐
- (v) Landscaping of the site ☐

(c) Renewal of a temporary permission

If 'Yes', state the Date
and Permission Application
and the Condition Number

(d) Permission for retention of building or continuance of use without complying with a condition imposed on a planning permission

If 'Yes', state the Date
and Permission Application
and the Condition Number

(e) Permission to develop land without complying with a condition imposed on a planning permission

If 'Yes', state the Date

and Permission Application

and the Condition Number

Land Details

Full address or location of the land to which this application relates

Erringham Farm
Shoreham by Sea
West Sussex
BN43 5FA

Does the applicant own or control any adjoining land? No

If 'Yes', this land must be edged blue on the location plan

Area of site (Hectares) 21m sq.

Dimensions of the application site and distances from the new buildings to boundaries must be clearly indicated on plans

Proposal Details

For Residential Developments, please enter the number of units (flats, bungalows, houses)
- for a Change of Use that REDUCES the number of units, please enter a negative(-) number.

Description of proposed development: Installation of one 10 metre high imitation Telegraph Pole telecommunications mast, three integral antennas, one radio equipment cabinet, one link cabinet and associated development thereto.

(If residential development, state type if known, e.g. houses, bungalows, flats)

State whether the proposal involved:-

(i) New building(s) or structure(s) Yes

(ii) Alteration or extension of building(s)

(iii) Construction of a new *vehicular* access to a highway

Construction of a new *pedestrian* access to a highway

(iv) Alteration of an existing *vehicular* access to a highway

Alteration of an existing *pedestrian* access to a highway

(v) Closure of existing access

(vi) Change of use only

Is there to be any 'furniture' placed on a street/highway?

Use of Land

Particulars of **Use** of Building or Land: Please State

Present use: Agricultural

If vacant, the last use:

Additional Information

(a) Is the application for industrial, office warehousing, storage, shopping, commercial purposes or places of public assembly? No

(b) Is the application for the winning or working of minerals? No

(c) Is the application for an agricultural dwelling or building? No

(d) Does the proposed development involve the demolition of any residential units? No

If 'Yes', how many units? Please indicate their position on plans

(e) Does the proposed development involve the felling of any trees? No If 'Yes', indicate their position on plans

(f) Does the proposed development involve any public right of way within the site? No If 'Yes', indicate their position on plans

(g) Does the proposed development involve demolition or alteration of a building or Special Architectural or Historic interest or demolition within a Conservation Area? No

If 'Yes', a separate application for **Listed Building Consent** or **Conservation Area Consent** may be necessary

(h) (i) How will surface water be disposed of? N/A

(ii) How will foul sewage be disposed of? N/A (e.g. mains, cesspit, etc.)

(i) Is there to be any 'furniture' placed on the street/highway? No

Process Description

Additional information required in respect of applications for Industrial, Office, Warehousing, Storage, Shopping, Rest and Nursing Homes, Commercial Purposes or Places of Public Assembly.

In the case of industrial development, give a description of the processes to be carried on and of the end products, and the type of plant or machinery to be installed. Please relate your answer to the 'Floor Areas & Uses' section.

N/A

Details of Proposal

Is the proposal related to an existing use on or near the site? No

If 'Yes', please explain the relationship

Is this a proposal to replace existing premises in this area or elsewhere which have become obsolete, inadequate or otherwise unsatisfactory? No

If 'Yes', please give details including gross floor area of such premises and state your intentions in respect of those premises.

Details of Floor Areas and Uses - please specify in square metres – N/A

	Existing Floor Space or use (if any)	Proposed New Floor Space or use	Total Floor Space (Allow for any space lost)
What is the amount of industrial floor space?			
What is the amount of office floor space?			
What is the amount of retail floor space?			
What is the amount of storage or warehousing floor space?			
Other Use 1 (please specify)			
Other Use 2 (please specify)			
TOTALS			

Other Uses 1 or Comments/Information

Details of Staff – N/A

	Office		Industrial		Other	
	Male	Female	Male	Female	Male	Female
(i) **Number of staff in existing premises on the site**						
(ii) **How many new staff will be employed on the site as a result of the development?**						
(iii) **If you propose to transfer staff from other premises, please give details of the numbers involved***						

*and details of the premises affected.

Premises Details – N/A

In the case of restaurants, hotels, public houses, theatres, cinemas, meeting halls, Rest and Nursing homes, etc., please specify:

Type of Business

Public floor space (Total)

Seating capacity

Bar floor area (sq.m)

Single bedrooms

Double bedrooms

Parking & Traffic – N/A

What provisions have been made for parking, loading and unloading of vehicles within the curtilage on the site?

State number of car spaces

and Lorry spaces

What is the estimated vehicular traffic flow to the site during a normal working day?
Please include all vehicles

Separately specify those used by employees driving to work:

Waste – N/A

What is the nature of disposal of any trade effluents or trade refuse?

What is the volume of any trade effluents or trade refuse?

and the proposed means of disposal of any trade effluents or trade refuse?

Will the proposed use involve the use or storage of any hazardous substances?

If 'Yes', please indicate

Plans

List of drawings and plans submitted as part of the application - indicate drawing numbers and scales.
4 sets of all drawings are required.
Additional copies in respect of major applications will assist in determination of such applications.
All measurements are to be given in metric (89/617 EEC Directive).

Plan / Drawing	Number	Scale
Site location	1222/036/001	1:2500
Site Plan	1222/036/002A	1:200
Site Elevation	1222/036/003/A	1:200
Equipment Layout	1222/036/004A	1:50
Antenna Layout	1222/036/005	1:10
Fix It Drawing	1222/036/006A	1:1250/ 1:200

Fees

If a fee is submitted, please give the amount £265.00 Calculated Fee

I/WE APPLY FOR PLANNING PERMISSION AS DETAILED ABOVE ☑ Tick to agree to this statement.

Signed:  T-Mobile (UK) Ltd

On behalf of: (Insert applicant's name if signed by agent)

Certificate

Certificate under Section 65 of the Town and Country Planning Act 1990 (Article 7 of the T & CP (General Development Procedure) Order 1995. **N.B.** A signed certificate MUST accompany this application. If the applicant is the sole owner (a) the following certificate should be completed and signed.
'Owner' means a person having a freehold interest or tenancy the unexpired term of which was not less than 7 years

Certificate A

I certify that:
on the day 21 days before the date of the accompanying application nobody, except the applicant, was the owner of any part of the land to which the application relates.
None of the land to which the application relates is or is part of an agricultural holding.

Do you agree to these statements?

OR

given requisite notice to every person other than who, on the day 21 days before the date of the application was a tenant of an agricultural holding on all or part of the land to which the application relates, as follows

Name of Tenant	Address at which Notice was served	Date on which Notice was served
	N/A	
	N/A	

Do you agree to these statements? Yes

Signed: ..... Date: .....

On behalf of: .....

Certificate B

I certify that:

I have given the requisite notice to everyone else who, on the day 21 days before the date of the accompanying before the date of the application were owners of any part of the land to which the application relates, as listed below

Owner's Name	Address at which notice was served	Date on which notice was served
Mr P Nye	Erringham Farm Shoreham-by-sea West Sussex BN43 5FA	19/02/2007

None of the land to which the APPLICATION relates is, or is part of, an agricultural holding.

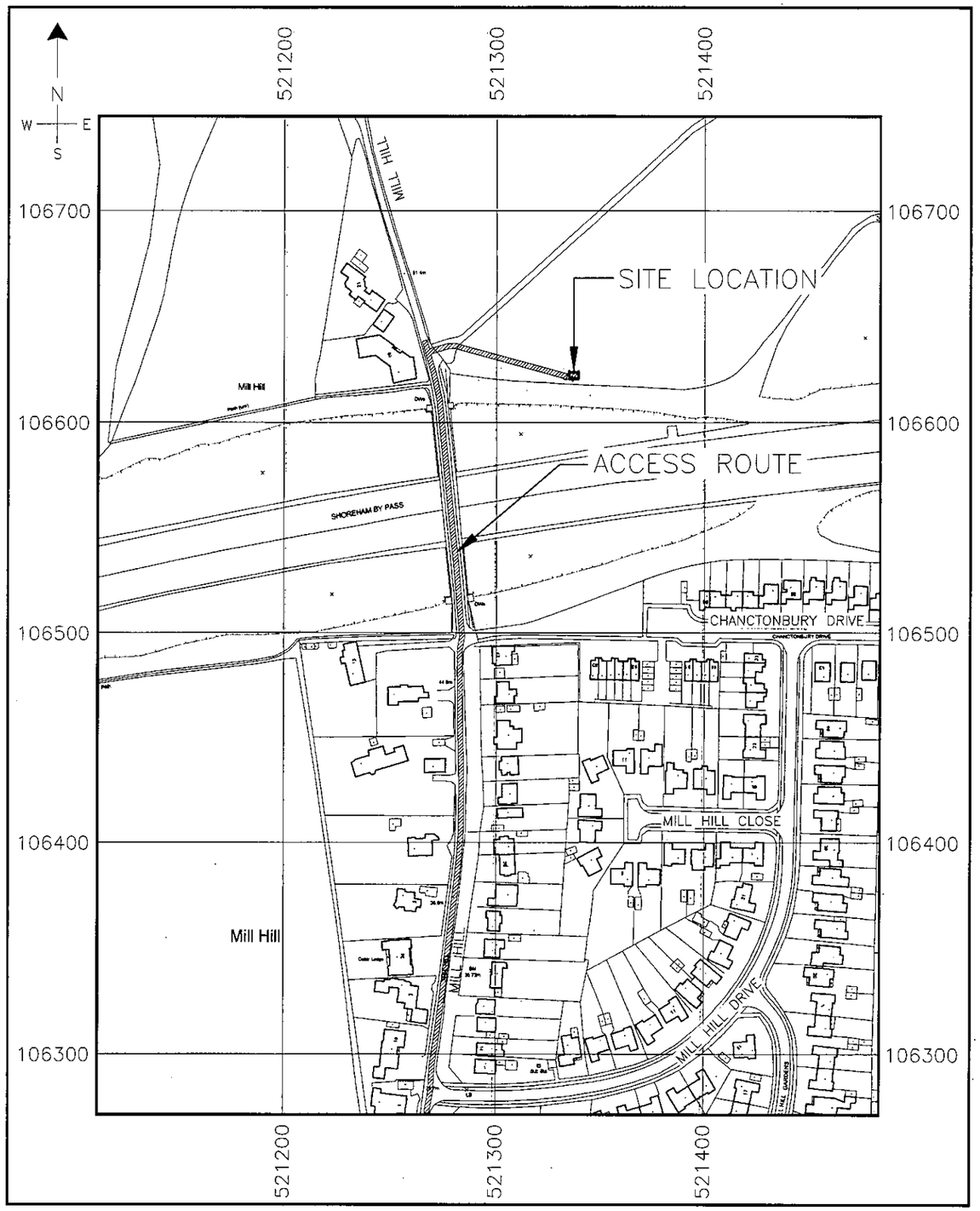
OR

~~I have given the requisite notice to every person other than him self who, on the day 21 days before~~ the date of the application was a tenant of an agricultural holding on all or part of the land to which the application relates, as follows:

Tenant's Name	Address at which notice was served	Date on which notice was served
N/A N/A	N/A N/A 	

Signed: [signature] Date: 19/2/07

(On behalf of): T-MOBILE (UK) LTD



LOCATION PLAN

1:2500

0m 20m 40m 60m 80m 100m 200m

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Use Licence No. AL 100034583.

CELL No.	55745
SITE NAME	ERRINGHAM FARM CO LOCATION
N.G.R.	521337E 106622
SITE ADDRESS	ERRINGHAM FARM SHOREHAM BY SEA WEST SUSSEX BN43 5FA

T-UK Exclusion Zones conform to the ICNIRP Reference Level for limiting RF exposure to members of the general public.

NOTES

ADUR DISTRICT COUNCIL
PLANNING DIVISION

PLAN No	AD0100/07
DATE RECEIVED	20 FEB 2007

Rev	Drn	
Date	App	
Rev	Drn	
Date	App	

T-Mobile

T-Mobile (UK) Ltd
Registered Address: Hatfield Business Park, Hertfordshire AL10 9BW.
Telephone : +44 (0)1707 31 5000 Facsimile : +44 (0)1707 28 9301
Registered No. 02382161

Site Name and Address
ERRINGHAM FARM CO LOCATION
ERRINGHAM FARM
SHOREHAM BY SEA
WEST SUSSEX
Post Code BN43 5FA

Drg Title
SITE LOCATION

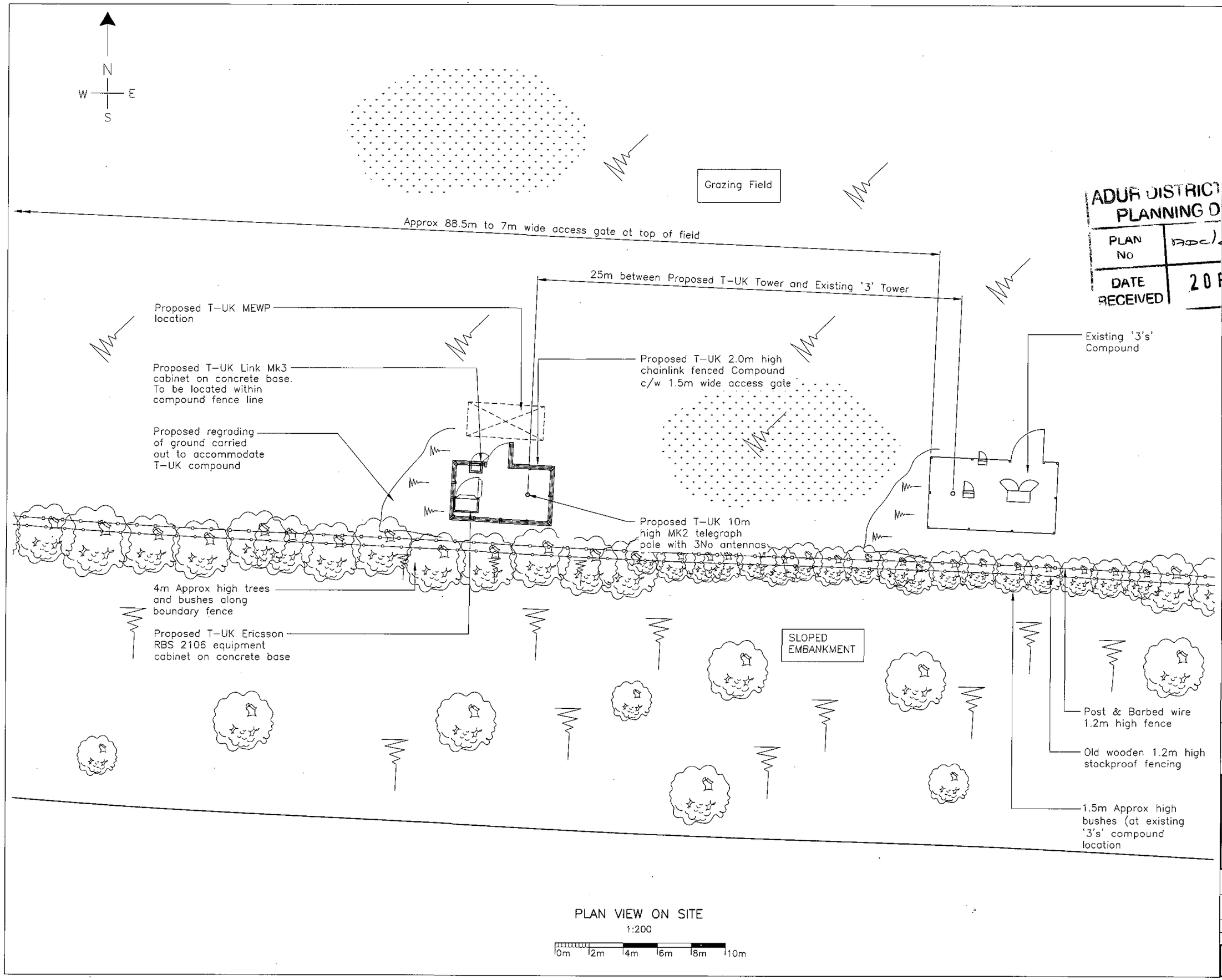
Stappard Howes
Heriot House
Heriot Road
Chertsey, Surrey
KT16 9DT
Telephone 01932 575 900 Fax 01932 575 901

Cell No.
55745

Status
PLANNING

Scale	Size	
AS SHOWN	A3	
Drawn CJH	Checked D.O.	Approved DB	Date 11.10.06

Drawing No. 1222/036/001 Revision



PLAN VIEW ON SITE
1:200

NOTES
1.1. Do not scale.
1.2. All dimensions in mm unless otherwise specified.
1.3. Assume all site details are existing unless otherwise stated.
1.4. All setting out dimensions are approx. to be confirmed on site after service survey.
1.5. Single Phase, 15kVA Load, 63A supply.
1.6. Site category: TBC

T-UK EQUIPMENT

PROPOSED CABINET DETAILS:
T-UK Ref: RBS 2106 cabinet
Dimensions: 1300x710x1642mm high
Material: Steel
Colour: Dark Green (BS4800/18/B/21)
T-UK Ref: Link Mark III Cabinet
Dimensions: 600x500x1235mm high
Material: Steel
Colour: Dark Green (BS4800/18/B/21)

PROPOSED TOWER DETAILS:
T-UK Ref: Hutchinson MK2 telegraph pole, 10.0m

PROPOSED ANTENNA DETAILS:
T-UK Ref: 3No. Antennas

ADUR DISTRICT COUNCIL
PLANNING DIVISION
PLAN No ADC/0100/07
DATE RECEIVED 20 FEB 2007

ANTENNA DETAILS:

ANTENNA	ORIENTATION	MID ANTENNA HEIGHT (m)	STATUS	FEEDER LENGTHS (m)	RET REQUIRED
C1A1	340°	9.35	Proposed	16.0	Yes
C2A1	100°	9.35	Proposed	16.0	Yes
C3A2	220°	9.35	Proposed	16.0	Yes

DISH DETAILS :

DISH ID	D1	D2	D3	D4
DISH SIZE	TBA	TBA		
HEIGHT + m AGL	TBA	TBA		
POLETAG REF	TBA	TBA		
BEARING REGN	TBA	TBA		
SITE LINK	TBA	TBA		
SITE NAME	TBA	TBA		
TNE No.	TBA	TBA		
ML No.	TBA	TBA		
RADIO TYPE	TBA	TBA		
POLARITY	TBA	TBA		

T-UK Exclusion Zones conform to the ICNIRP Reference Level for limiting RF exposure to members of the general public.

Rev	Drn	
Date	App	
Rev A	Drn AS	Cabinet type and compound layout revised
Date 12.02.07	App DJO	

T-Mobile
T-Mobile (UK) Ltd
Registered Address: Hatfield Business Park, Hertfordshire, AL10 9BW.
Telephone : +44 (0)1707 31 5000 Facsimile : +44 (0)1707 28 9301
Registered No. 02382161

Site Name and Address
ERRINGHAM FARM CO LOCATION
ERRINGHAM FARM
SHOREHAM BY SEA
WEST SUSSEX
Post Code BN43 5FA

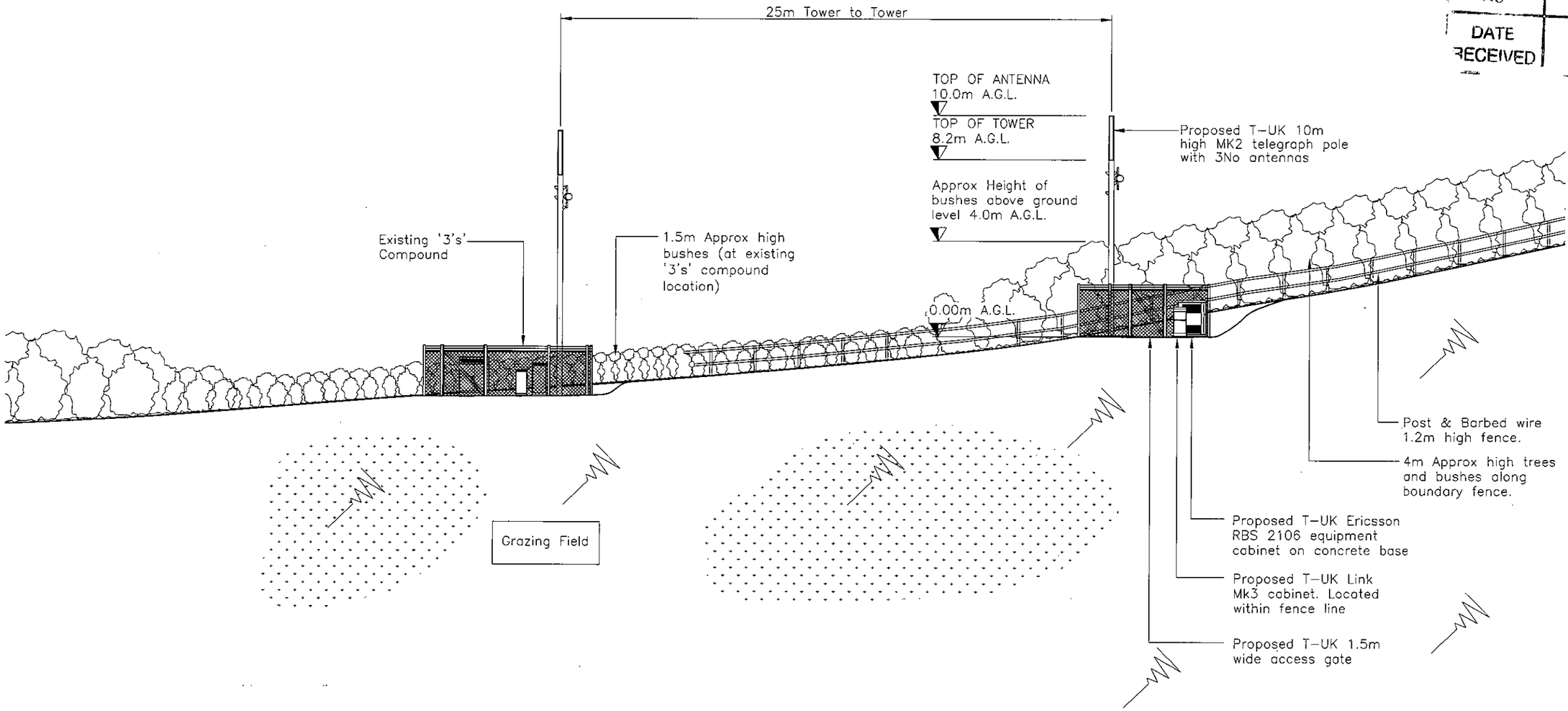
Drg Title
SITE PLAN

Stappard Howes
Heriot House
Heriot Road
Chertsey, Surrey
KT16 9DT
Telephone 01932 575 900 Fax 01932 575 901

Cell No. 55745
Status PLANNING
Scale AS SHOWN Size A3
Drawn CJH Checked D.O. Approved DB Date 11.10.06
Drawing No. 1222/036/002 Revision A

NOTES
1.1. Do not scale.
1.2. All dimensions in mm unless otherwise specified.
1.3. Assume all site details are existing unless otherwise stated.
1.4. All setting out dimensions are approx. to be confirmed on site after service survey.

ADUR DISTRICT COUNCIL
PLANNING DIVISION
PLAN NO AD/0100/07
DATE RECEIVED 20 FEB 2007



NORTH ELEVATION
1:200
0m 2m 4m 6m 8m 10m

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Rev	Drn	
Date	App	
A	AS	Cabinet type and compound layout revised
12.02.07	DJO	

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ERRINGHAM FARM
SHOREHAM BY SEA
WEST SUSSEX
Post Code BN43 5FA

Drg Title
SITE ELEVATION

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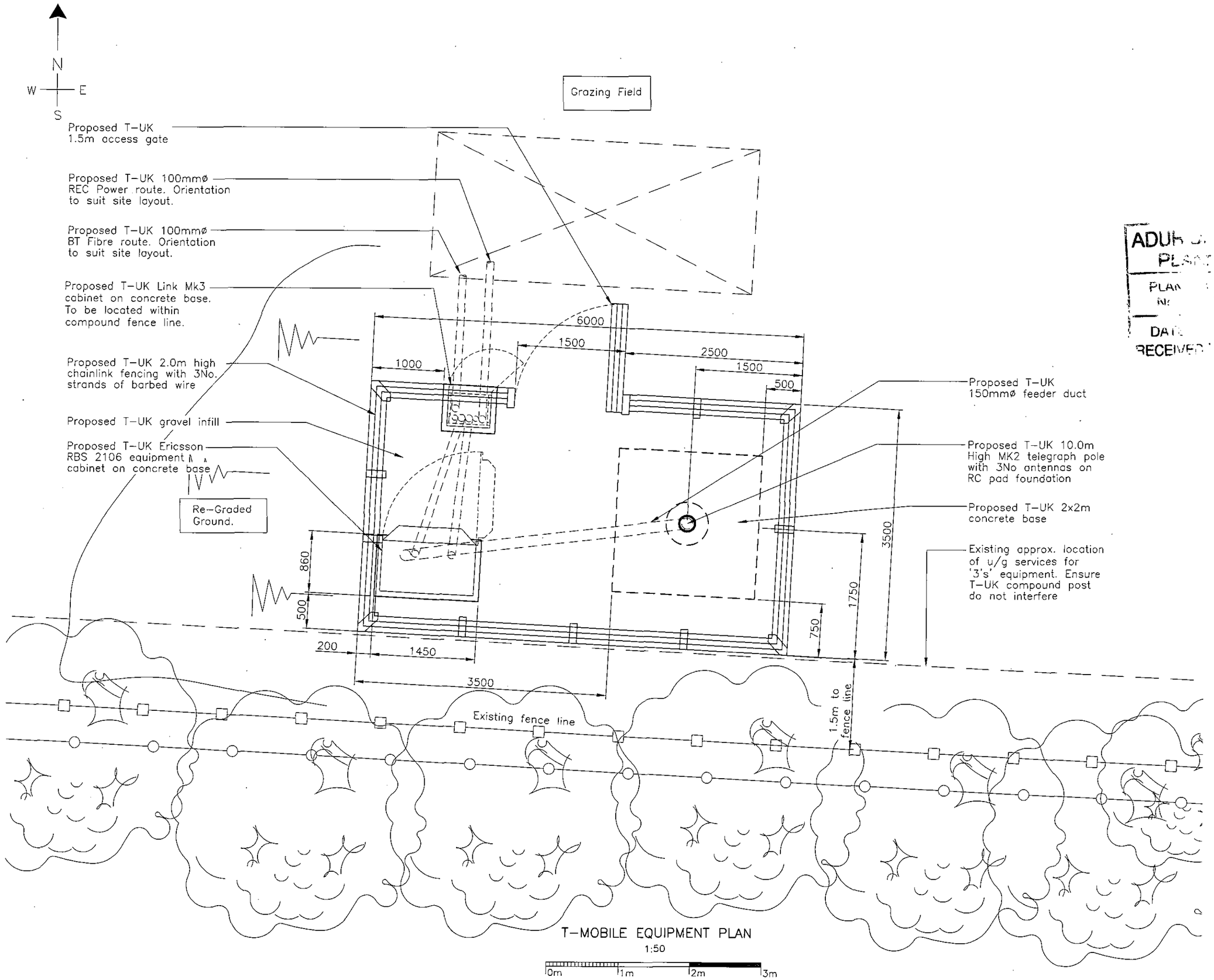
Heriot Road
Chertsey, Surrey
KT16 9DT
Telephone 01932 575 900 Fax 01932 575 901

Cell No. 55745

Status PLANNING

Scale		Size
AS SHOWN		A3
Drawn CJH	Checked D.O.	Approved DB	Date 11.10.06

Drawing No. 1222/036/003 Revision A



T-MOBILE EQUIPMENT PLAN

1:50

NOTES

1.1. Do not scale.
1.2. All dimensions in mm unless otherwise specified.
1.3. Assume all site details are existing unless otherwise stated.
1.4. All setting out dimensions are approx. to be confirmed on site after service survey.

ADUR ... PLANNING ...
PLAN No. ADC/0100/07
DATE RECEIVED 20 FEB 2007

T-UK Exclusion Zones conform to the ICNIRP Reference Level for limiting RF exposure to members of the general public.

Rev	Drn	
Date	App	
Rev A	Drn AS	Cabinet type and compound layout revised
Date 12.02.07	App DJO	

T-Mobile

T-Mobile (UK) Ltd

Registered Address: Hatfield Business Park, Hertfordshire, AL10 9BW. Telephone : +44 (0)1707 31 5000 Facsimile : +44 (0)1707 28 9301 Registered No. 02382161

Site Name and Address
ERRINGHAM FARM CO LOCATION
ERRINGHAM FARM
SHOREHAM BY SEA
WEST SUSSEX
Post Code BN43 5FA

Drg Title
EQUIPMENT LAYOUT

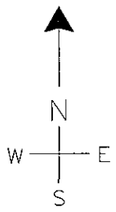
Stappard Howes
Heriot House
Heriot Road
Chertsey, Surrey
KT16 9DT
Telephone 01932 575 900 Fax 01932 575 901

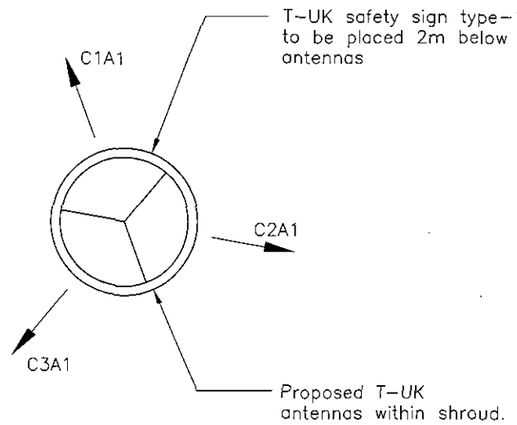
Cell No. 55745

Status PLANNING

Scale AS SHOWN			Size A3
Drawn CJH	Checked D.O.	Approved DB	Date 11.10.06

Drawing No. 1222/036/004 Revision A





PLAN OF T-UK EQUIPMENT ON TOWER

1:10

0m 0.1m 0.2m 0.3m 0.4m 0.5m

NOTES

1.1. Do not scale.
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1.4. All setting out dimensions are approx. to be confirmed on site after service survey.

ADUR DISTRICT COUNCIL
PLANNING DIVISION
PLAN No. AD/0100/07
DATE RECEIVED 20 FEB 2007

ANTENNA DETAILS :

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C2A1	100°	9.35	Proposed	16.0	Yes
C3A2	220°	9.35	Proposed	16.0	Yes

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HEIGHT + m AGL	TBA	TBA		
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BEARING °EGN	TBA	TBA		
SITE LINK	TBA	TBA		
SITE NAME	TBA	TBA		
TNE No.	TBA	TBA		
ML No.	TBA	TBA		
RADIO TYPE	TBA	TBA		
POLARITY	TBA	TBA		

T-UK Exclusion Zones conform to the ICNIRP Reference Level for limiting RF exposure to members of the general public.

Rev	Drn	
Date	App	
Rev	Drn	
Date	App	

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Registered No. 02382161

Site Name and Address
ERRINGHAM FARM CO LOCATION
ERRINGHAM FARM
SHOREHAM BY SEA
WEST SUSSEX
Post Code BN43 5FA

Drg Title
ANTENNA LAYOUT

Stappard Howes
Heriot House
Heriot Road
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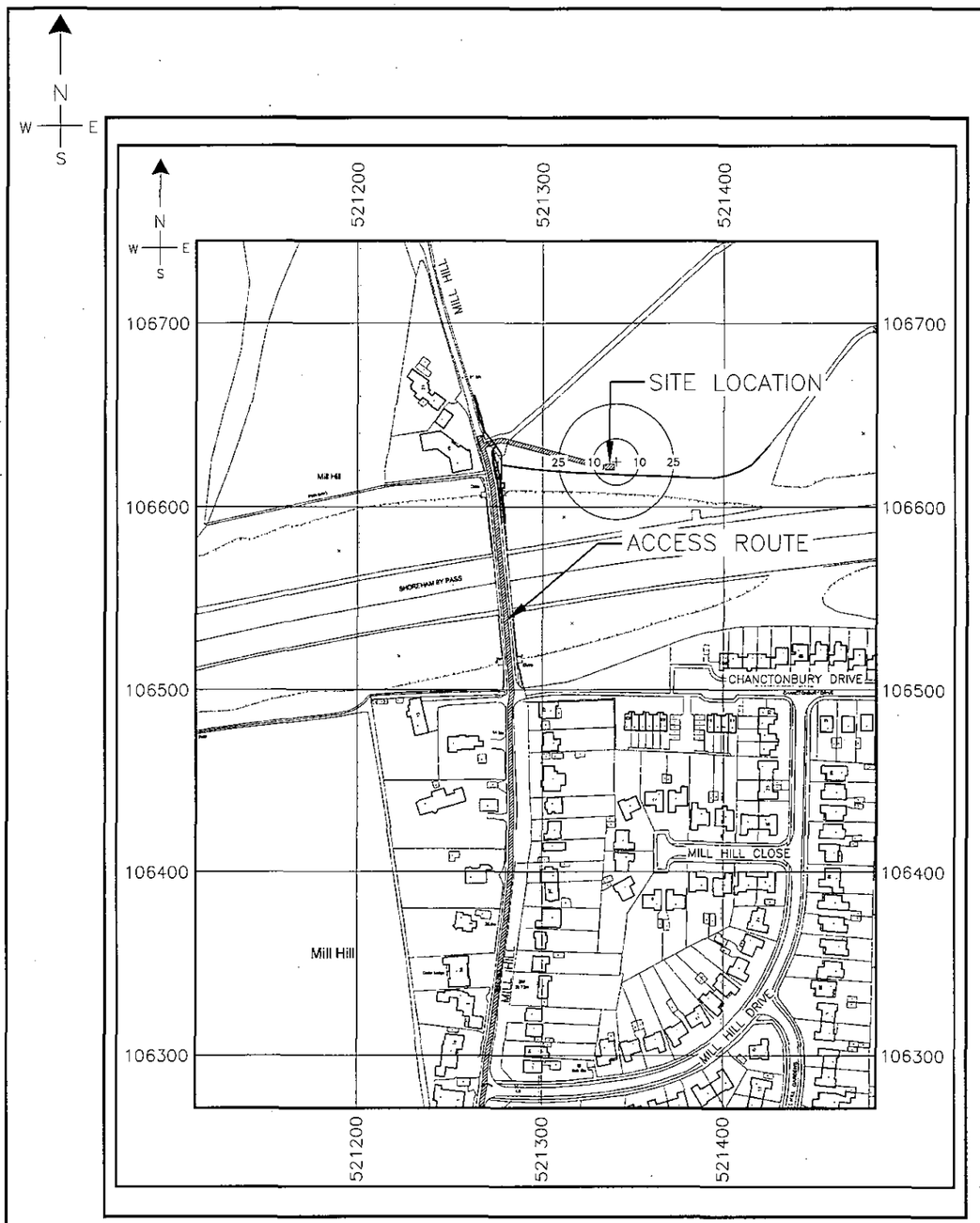
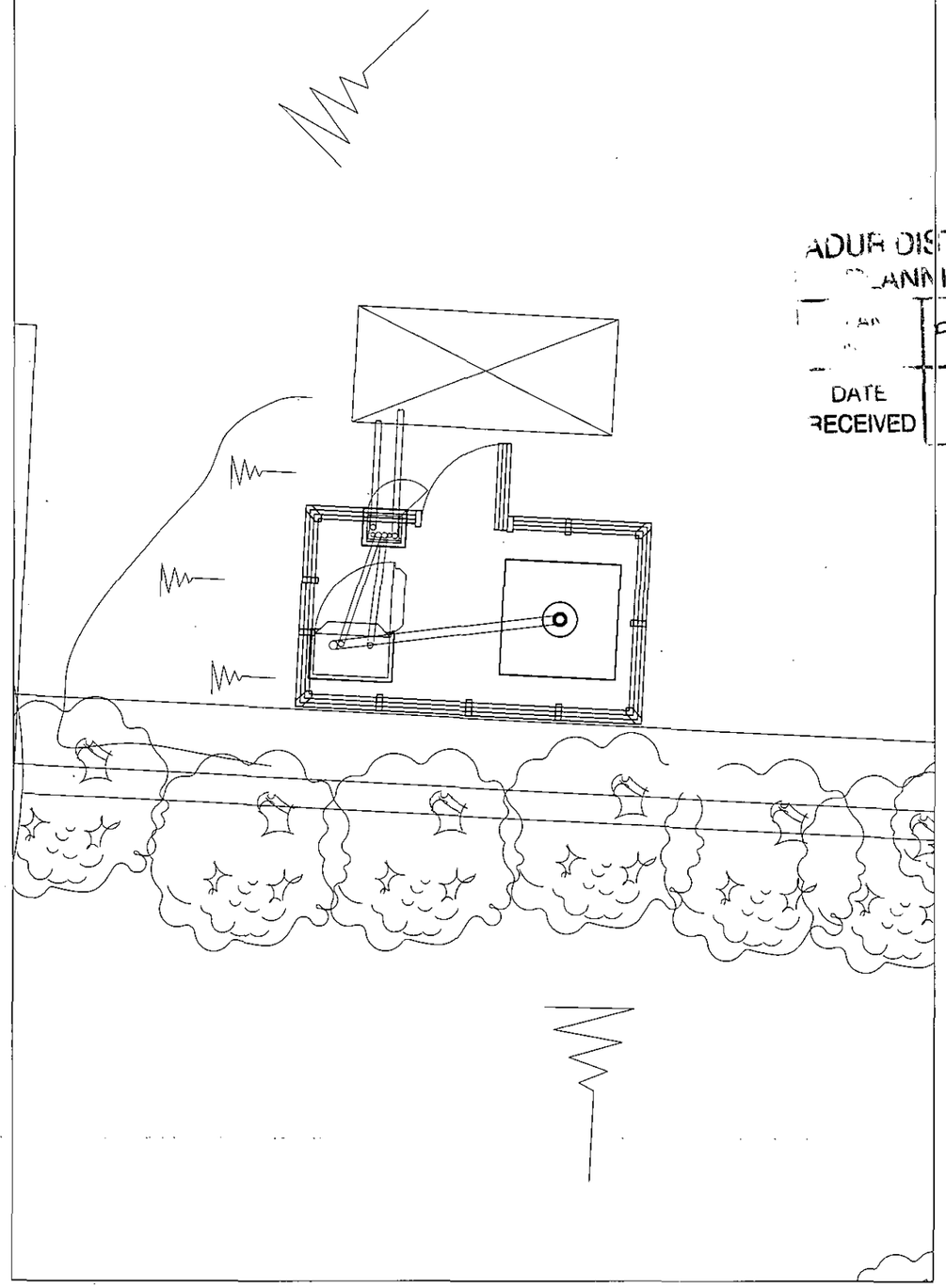
KT16 9DT
Telephone 01932 573 900 Fax 01932 575 901

Cell No.	55745
Status	PLANNING
Scale AS SHOWN	Size A3
Drawn CJH / Checked D.O. / Approved DB	Date 11.10.06
Drawing No.	Revision
1222/036/005	



CONCESSION BOUNDARY
1:1250

0m 10m 20m 30m 40m 50m 100m



MEWP LOCATION
1:200

0m 2m 4m 6m 8m 10m

NOTES

ADUR DISTRICT COUNCIL
PLANNING DIVISION
DATE RECEIVED 20 FEB 2007

Rev	Drn	
Date	App	
Rev A	Drn AS	Cabinets and compound revised
Date 12.02.07	App DJO	

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Registered No. 02382161

Site Name and Address
ERRINGHAM FARM CO LOCATION
ERRINGHAM FARM
SHOREHAM BY SEA
WEST SUSSEX
Post Code BN43 5FA

Drg Title
FIX IT
DRAWING

Stappard Howes
Heriot House
Heriot Road
Chertsey, Surrey
KT16 9DT
Telephone 01932 575 900 Fax 01932 575 901

Cct No. 55745

Status PLANNING

Scale AS SHOWN			Size A3
Drawn CJH	Checked D.O.	Approved DB	Date 11.10.06

Drawing No. 1222/036/006 Revision A

Stappard Howes
building communications™

A tyco / Electronics Company

FOR THE PROPOSED T-MOBILE (UK) LTD
DEVELOPMENT

AT

Erringham Farm

Off Mill Hill
Shoreham by Sea
West Sussex
BN43 5FA

ADUR DISTRICT COUNCIL
PLANNING DIVISION
PLAN NO: ADC/0007
DATE RECEIVED: 20 FEB 2007

19 February 2007

Prepared By

STAPPARD HOWES

Heriot House
Heriot Road
Chertsey
Surrey
KT16 9DT

Agents REF: 1222/036
T-MOBILE REF: 55745

Stappard Howes
Heriot House, Heriot Road, Chertsey, Surrey KT16 9DT
t. +44 (0) 1932 575900 f. +44 (0) 1932 575901 www.stappard-howes.co.uk
Registered office: Stappard & Howes Ltd. Faraday Road, Dorcan, Swindon, Wiltshire SN3 5HH Registered in England No: 3107702

Stappard Howes
building communications™

A tyco / Electronics Company

Introduction

This brief statement aims to provide your Department with information relating to the proposal subject of this application. It will offer background on T-Mobile UK Ltd and their commitment to facilitate communications whilst being sensitive to environmental and planning issues. We will comment upon the planning policy framework and will highlight the merits of this application.

The Proposal

This application seeks permission for the proposed development on land at Erringham Farm, Off Mill Hill, Shoreham by Sea, West Sussex, BN43 5FA.

The proposal comprises of one 10 metre high imitation telegraph pole mast complete with three antennas, equipment cabinets and ancillary development thereto. The proposed equipment is also to be coloured in BS4800/18/B/21 – dark green. However, any British Standard colour can be utilised, if requested.

The Application Site

The proposed site is required to provide 2G radio coverage to a section of the A27 and Old Shoreham.

The cell search area is centred on the A27 and includes agricultural land to the north and the northern part of Old Shoreham.

The proposed option is located on the northern side of the A27 and is accessed from Old Shoreham via Mill Hill. Adjacent to the site is an existing Hutchison 3G telecommunications installation. The proposed T-Mobile site utilises the existing access to the Hutchison 3G site.

The site location as contained within this planning application was chosen so as provide the least impact upon both the environmental and visual amenities of this area, whilst providing the levels of radio coverage required for the efficient operation of my client's network.

A large number of sites were investigated as part of the search process. These sites are listed below, along with the reason they were discounted:

1. **Buckingham Park** area (NGR E522095, N106350) was discounted as it was felt that a telecoms installation would be unduly prominent in this open landscape.

2. **Land off the Adur River** (NGR E520775, N106180) was discounted due to this being a flood plain.

Stappard Howes
Heriot House, Heriot Road, Chertsey, Surrey KT16 9DT
t. +44 (0) 1932 575900 f. +44 (0) 1932 575901 www.stappard-howes.co.uk
Registered office: Stappard & Howes Ltd. Faraday Road, Dorcan, Swindon, Wiltshire SN3 5HH Registered in England No: 3107702

3. **Land off the A27** (NGR E521170, N106345) was discounted due to the topography, this being a low-lying plain in which an installation would not meet T-Mobile's technical requirements.

4. **Area south of the A27** was explored for a potential streetworks option, but no suitable sites were identified in this densely residential area.

5. **Hutchison 3G site** at Erringham Farm adjacent to our proposed installation. A site share has been considered on this structure; however, the pole is a slimline telegraph pole and would require redevelopment to a steel monopole or lattice structure in order to accommodate a second operator, together with a height increase. It was considered that a second discrete structure would be less visually intrusive and as such, the site share was not selected as the preferred option.

6. **Shoreham Airport –** there are existing 02 and Hutchison 3G sites here, however these are too far removed from the search area to adequately meet T-Mobile's technical requirements.

No further existing telecommunication installations, tall buildings or structures were noted in the search area.

Pre-Application Consultation

You will be aware from previous correspondence that my client, T-Mobile operate an electronic communications network providing an electronic communications service in accordance with the Communications Act 2003, and have been investing heavily in the design and rollout of this infrastructure.

T-Mobile has developed the initial phase of their network rollout, and is now focusing on their licence requirement to improve both coverage and capacity. T-Mobile is keen to develop close working relations with your Local Planning Authority in order that the best solutions can be identified and designed. It is hoped that in doing so, the eventual planning submission should be acceptable to your Authority.

In light of this, pre-application consultation was forwarded to Adur District Council and the local councillors for Buckingham ward on 27 November 2006. A response was received from Keith Morgan of Adur District Council. This correspondence confirmed that the proposed site was located within the Sussex Downs AONB and that the South Downs Joint Committee should be consulted. This additional consultation was carried out. There were no further responses to the pre-application consultation. Copies of all pre-application correspondence have been attached to this application.

Overall, it can be seen that the development as proposed within this application has been sited and designed, in line with local and central government guidelines, so as to be as

unobtrusive as possible whilst providing the required levels of radio coverage, and creating least environmental harm on the surrounding area.

It is considered that a second mast adjacent to the Hutchison 3G (H3G) mast is the most appropriate solution. The proposed T-Mobile mast is on higher ground than the Hutchison 3G site, however it is proposed to install a 10 metre high structure (H3G's mast is 12 metre high) so it only be marginally higher. The alternative to having two installations on the site would be to have one large structure. It is considered that this would be inappropriate because a taller and more obtrusive structure would be needed.

The Need for the Proposal

As stated above T-Mobile UK Ltd operate an electronic communications network. As such they are charged with providing geographic coverage across the UK and meeting reasonable demands placed upon the network. Enclosed with this application is a set of radio coverage plots demonstrating the current level of 2G network service in this area, the coverage which is predicted from the proposed site in isolation and the proposal site in the context of the existing and planned network.

Plot 46011 clearly indicates that at present this area continues to suffer a shortfall in 2G T-Mobile coverage. This can be clearly seen from the unshaded areas on this plot. Plot 46010 shows the coverage that will be provided by the proposed installation in isolation. Plot 46012 represents the coverage that will be provided to the T-Mobile network with the integration of the proposed site into the existing network.

It can clearly be seen that the deficiencies in my client's 2G network represented in plot 46011 is resolved by this proposed installation at Erringham Farm.

Health and Safety

In response to the growing concern related to the health implications of exposure to electromagnetic fields (EMFs) the Government asked its statutory advisors on radiological protection (the National Radiological Protection Board (NRPB)) to establish an Independent Expert Group on Mobile Phones (IEGMP). This Group considered the concerns about the health effects from the use of mobile phones, base stations and transmitters. The expert groups' report (also known as the Stewart Report) was published in May 2000. It concluded that:

"***the balance of evidence indicates that there is no general risk to the health of people living near to base stations on the basis that exposures are expected to be small fractions of the guidelines***"

It is the Government's view that if a proposed development meets the International Commission on Non-Ionising Radiation Protection (ICNIRP:1998) public exposure

guidelines, as recommended on a precautionary basis in the Stewart Report, it should not be necessary for a planning authority, in processing an application, to consider health effects further. This message was re-stated by Nick Raynsford to all English MPs and local authorities in a letter, dated 29 June 2000.

The EU Recommendation is based on ICNIRP (1998) guidelines for limiting general public exposure to electromagnetic fields (radio waves). ICNIRP (1998) guidelines apply a 50-fold safety margin for continuous exposure of the general public to electromagnetic fields, providing a conservative public exposure guideline set at 2% of the level where replicated biological effects have actually been observed.

The UK mobile phone operators will, as a minimum, build base station sites to comply with the ICNIRP (1998) general public exposure guidelines in areas where the public spend a significant amount of time. These areas are those locations where antennas are accessible to the public without the use of climbing aids such as ladders, crossing barriers or other access controls.

Planning Policy Guidance Note 8 also makes reference to Health and Safety implications of telecommunications proposals and clearly states in paragraph 30 that:

"...it is the Government's firm view that the planning system is not the place for determining health safeguards. It remains central Government's responsibility to decide what measures are necessary to protect public health. In the Government's view, if a proposed mobile phone base station meets the ICNIRP guidelines for public exposure it should not be necessary for a local planning authority, in processing an application for planning permission or prior approval, to consider further the health aspects and concerns about them."

Although this quote comes from the PPG 8 published in August 2001, this message builds upon earlier Government statements. For example the Government's announcement on 16 March 2001 on 'Better public consultation on mobile phone masts' stated:

"It is the Government's responsibility to decide what measures are necessary to protect public health. It remains the Government's firm view that the planning system is not the appropriate mechanism for determining health safeguards... In the Government's view, if a proposed development meets the ICNIRP guidelines it should not be necessary for a local planning authority, in processing an application, to consider the health aspects further."

In a recent report, HEALTH EFFECTS FROM RADIOFREQUENCY ELECTROMAGNETIC FIELDS: By the Independent Advisory Group on Non-Ionising Radiation (AGNIR), published on the 14th January 2004, AGNIR has stated that ***"...exposure levels in the vicinity of mobile phone base stations are extremely low and the evidence indicates that they are unlikely to pose a health risk."***

Planning Policy Framework and Development Plan Policy

- **National Policy**

Planning Policy Guidance Note 8: Telecommunications, clearly acknowledges the benefits of modern telecommunications, and seeks to encourage such development as being essential to a modern economy and contributing to sustainable objectives.

The guidance in PPG8 explains the special needs and technical problems associated with modern telecommunications to avoid unnecessary refusals based on policies couched in terms of conventional land use and buildings.

Against this background of encouragement, the guidance also recognises the need to strike an appropriate balance between operational and environmental considerations. To that end, a series of options are set out to help guide a proposal to an apt solution. These are reviewed below to demonstrate that an apt solution has been reached:

- **Mast / Site Sharing**

  T-Mobile endeavour to share existing facilities wherever technically possible. In this instance, it has been established that there are no such features that could accommodate the required antennas. As discussed above it is considered inappropriate to share a larger installation on the H3G site.

- ***Installations on Buildings***

  No buildings were found within the survey of this area that would have supported the installation of telecommunications apparatus to meet the requirements of my client's network.

- **Ground Based Masts**

  It has been suggested that a simulated telegraph pole installation is the most appropriate method of providing communications to this area, with careful attention having been given to siting and design.

The general approach in favour of facilitating the growth of modern telecommunications, whilst giving due respect to siting and design is reaffirmed throughout PPG8. PPG8 Paragraph 19 states:

In order to limit visual intrusion, the Government attaches considerable importance to keeping the numbers of radio and telecommunications masts, and the sites for such installations, to the minimum consistent with the efficient operation of the network.

Paragraph 25 continues;

The telecommunications industry is encouraged to continue to develop innovative design solutions, in terms not only of the structure of masts and antennas but also materials and colouring.

We believe that the selected option represents the best compromise between the operational needs of T-Mobile and the inevitable environmental impact of telecommunications. With the siting and design of this installation being the optimum in terms of the minimisation of the impact of this proposed development upon the locale whilst providing the levels of radio coverage required, this application is consistent with both local and national policy guidelines.

- **Development Plan Policy**

Policy AB29 of the Adur District Local Plan 1996 – 2006) is relevant to this application. The policy states:

> **Policy AB29**
>
> **The District Planning Authority will grant planning permission for, or approve the details of, telecommunications development where it can be demonstrated that:-**
>
> **i. Planning permission is required from the District Planning Authority;**
>
> **ii. There is no reasonable possibility of sharing existing facilities; and**
>
> **iii. In the case of radio masts there is no reasonable possibility of erecting antennas on an existing building or other structure.**
>
> **When considering proposals for telecommunications development, whether or not under permitted development rights, the District Planning Authority, whilst respecting operational requirements, will expect the apparatus to be sited, designed, and, where appropriate, landscaped, so as to minimise its visual impact on the environment in which it is located. Such masts will not be permitted where they would be visible in the wider landscape within the Area of Outstanding Natural Beauty except where special siting needs attributable to technical requirements, such as transmission range or line-of-sight, dictate otherwise.**

Policy AB29 aims to encourage operators to utilise existing masts or buildings wherever possible. In this instance, it has not been possible to do this. The only existing mast in the area is the adjacent H3G site which, it has been indicated previously, is not suitable for sharing.

Whilst the site is within an Area of Outstanding Natural Beauty (AONB) it is still considered that this is the most appropriate location within the cell. All of the search area to the north of the A27 is within the AONB, along with the south-western side of the search area. The remainder of the search area is built-up and is predominantly residential in character. As indicated previously, this area was searched for streetworks options; however no suitable sites were identified.

Overall, the outcomes sought by these policies are satisfied by the proposed development. The proposed site is of a sympathetic design, minimising the visual impact on the surrounding area, whilst providing the required 2G coverage to the intended target area. The proposed design has been chosen so as to help further reduce the masts visual impact in this landscape.

Conclusion

We consider the application site to be appropriate for such a development. It is considered that the design of the installation does not adversely impact upon the quality of the surrounding area or that of its surrounding AONB landscapes. It has been sufficiently demonstrated that the proposal provides the best option for the provision of a telecommunications facility in this area, with both coverage and visual amenity factors being considered. The application is consistent with both national planning and development plan policy, and we would respectively request that due consideration be given to this proposal.

SUPPLEMENTARY INFORMATION

1. Site details

Site Name	**Erringham Farm co-location**	Site Address	**Erringham Farm Off Mill Hill Shoreham by Sea, BN43 5FA**
NGR	**521337, 106622**		
Site Ref Number	**55745**	Site Type[1]	**Macro**

2. Pre Application Check list

Site selection

Was an LPA mast register used to check for suitable sites by the operator or the LPA?	**yes**	no
if no explain why		
Was the industry site database checked for suitable sites by the operator?	**yes**	no
if no explain why		

Annual roll out consultation with LPA

Date of last annual rollout information/ submission to LPA	**19 October 2005**
Name of LPA contact	**Peter Davies**
Comments **The site was identified as an outstanding network requirement.**	

Pre-application consultation with LPA

Date of written offer of pre-application consultation with LPA	**27 November 2006**	
Was there pre-application contact with the LPA	**yes**	no
Date of pre-application contact with LPA	**27 November 2006**	
Name of LPA contact	**Chief Planning Officer**	
Outcome **Refer to the supporting statement**		

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[1] Macro or micro

10 Commitments Consultation

Rating of Site under Traffic Light Model	Green	**Amber**	Red
Outline Consultation carried out **Consultations carried out with LPA, the local Ward Councillors for the Buckingham Ward, and the South Downs Joint Committee.**			
Outcome **Please refer to the Supporting Statement.**			

Schools

Location of site in relation to school **No schools were noted in the surrounding area.**
Outline of consultation carried out with schools (if relevant). (include evidence of consultation) **N/A**
Outcome **Please see supporting statement.**

Civil Aviation Authority/Secretary of State for the Defence/Aerodrome Operator consultation (only required for an application for prior approval)

Will the structure be within 3km of an aerodrome or airfield?	**Yes**	No
Has the Civil Aviation Authority/Secretary of State for the Defence/Aerodrome Operator been notified	Yes	**No**
Details of response No consultation as full planning application.		

Developer's Notice
(only required for an application for prior approval)

Copy of Developer's Notice enclosed	**Yes**	No
Date served	**19 February 2007**	

3. Proposed Development

The proposed site
The proposed site is located in a field to the north of the A27 Shoreham by-pass. Access to the site is gained via Mill Hill.

Area of Search Enclose map showing the cell centre, area of search and adjoining existing sites
A Map of the Directed Search Area (Cell Search Area) is included with the application.

Type of Structure (e.g. tower, mast, etc): **'Simulated Telegraph Pole' Telecommunications Mast**	
Description **10m high imitation telegraph pole mast complete with three antennas. Associated with the mast is the development of one small radio equipment cabinet, one link (power) cabinet and development ancillary thereto.**	
Overall Height: **10m**	
Height of existing building (where applicable)	metres
Equipment Housings	
RBS 2106 Length	**1.300**
RBS 2106 Width	**0.710**
RBS 2106 Height	**1.235**
Link Length	**0.600**
Link Width	**0.500**
Link Height	**1.235**
Materials (as applicable)	
Tower/mast etc – type of material and external colour	**Glass Reinforced Plastic with a matt brown simulated epoxy resin finish**
Equipment housing – type of material and external colour	**Plastic Coated Steel – Finished BS4800/18/B/21 – dark green**

Reasons for choice of design
The mast design was chosen so as to integrate the proposal within the surrounding environment and to minimise the impact upon the locale.

4. Technical information

ICNIRP Declaration attached	**Yes**	no

Frequency	**2149.7 – 2159.7 Mhz**
Modulation characteristics[2]	**QPSK**
Power output	**62 dbm maximum licensed power**
Height of antenna (m above ground level)	**8m (to base of antennas)**

5. Technical Justification

Enclose predictive coverage plots, drive trials or capacity figures

Reason(s) why site required e.g. coverage, upgrade, capacity (map attached if required)
This site is required in order to provide 2G coverage and capacity to my client's network. **Please also see attached technical justification (coverage plots).**

[2] The modulation method employed in GSM is GMSK (Gaussian Minimum Shift Keying) which is a form of Phase Modulation.
The modulation method employed in UMTS is QPSK (Quad Phase Shift Keying) which is another form of Phase Modulation.

6. Site selection process – alternative sites considered and not chosen

1. **Buckingham Park** area (NGR E522095, N106350) was discounted as it was felt that a telecoms installation would be unduly prominent in this open landscape.

2. **Land off the Adur River** (NGR E520775, N106180) was discounted due to this being a flood plain.

3. **Land off the A27** (NGR E521170, N106345) was discounted due to the topography, this being a low-lying plane in which an installation would not meet T-Mobile's technical requirements.

4. **Area south of the A27** was explored for a potential streetworks option, but no suitable sites were identified in this densely residential area.

5. **Hutchison 3G site** at Erringham Farm adjacent to our proposed installation. A site share has been considered on this structure, however, the pole is a slimline telegraph pole and would require redevelopment in order to accommodate a second operator, together with a height increase. It was considered that a second discrete structure would be less visually intrusive and as such, the site share was not selected as the preferred option.

6. **Shoreham Airport –** there are existing 02 and Hutchison 3G sites here, however these are too far removed from the search area to adequately meet T-Mobile's technical requirements.

If no alternative site options have been investigated, please explain why

Additional relevant information
N/A

Contact Details

Name	Belinda Simpson	Telephone	01932 575900
Operator	T-Mobile (UK) Ltd	Fax no	01932 575901
Address	Heriot House Heriot Road Chertsey Surrey KT16 9DT	Email address	Belinda.simpson@tycoelectronics.com
Signed		Date	19 February 2007
Position	Planner	Company (on behalf of the above operator)	Stappard Howes

T-Mobile

2G COVERAGE PLOTS

Date Created: 09 January 2007

T-Mobile Cell Id: 55745
T-Mobile Site Name: ERRINGHAM FARM CO LOCATION

Purpose of Site

The site is required to provide a high level of 2G coverage and a high grade of service to the A27 Old Shoreham Cutting area. In order to provide coverage at commercial and residential indoor levels, the populated areas should be coloured magenta and green respectively.

Plot ref. 46011 – Coverage from existing and planned sites without 55745 ERRINGHAM FARM CO LOCATION

The plot shows the coverage from existing and planned sites where planning permission has been approved or submitted. The coverage does not include cell 55745 ERRINGHAM FARM CO LOCATION or any sites where planning permission has not yet been submitted. The plot shows that the local area of A27 Old Shoreham Cutting is not adequately covered to commercial and residential indoor signal levels.

Plot ref. 46010 – Coverage from 55745 ERRINGHAM FARM CO LOCATION in isolation

The plot shows the coverage provided from cell 55745 ERRINGHAM FARM CO LOCATION in isolation at an assumed transmission height of 9 m. The plot shows that the site provides commercial and residential indoor signal levels to the local area of A27 Old Shoreham Cutting.

Plot ref. 46012 – Coverage from 55745 ERRINGHAM FARM CO LOCATION and surrounding sites

The plot shows the coverage from 55745 ERRINGHAM FARM CO LOCATION and surrounding sites where planning permission has been approved or submitted. This plot shows the improvement in coverage that this site brings to the area of A27 Old Shoreham Cutting when compared to plot ref. 46011.

KEY TO COVERAGE PLOTS

2G stands for second generation mobile services and is also known as GSM (Global System for Mobile Communications). Analogue Mobile was the first generation of mobile communications (1G), and was soon followed by GSM or 2G and GPRS (General Packet Radio Service) or 2.5G and lately UMTS (Universal Mobile Telecommunications System) or 3G. T-Mobile's GSM network not only provides high quality voice service but also offers GPRS data services.

The plots submitted are a geographical representation of the predicted service level coverage. This is a result of simulation software that predicts the coverage through advanced modelling and calculations. The main factors which affect the calculations are; the power and the frequency of the signal emitted, the height of the antenna, the topography and traffic forecast of the area and the ground clutter such as buildings. However, T-Mobile UK's predictor is unable to account for local tree heights and road/railway cuttings. These cause further attenuation of the signal.

Predicted Coverage Levels Shown On Plots

Coloured bands depict service levels. In the enclosed plot the colours represent different service levels as follows:

	Sufficient signal strength to provide indoor service for Urban or Commercial areas.	Urban and Commercial level of coverage
	Sufficient signal strength to provide indoor service for Suburban and Residential areas.	Suburban and Residential level of coverage
	Sufficient signal strength to provide In-vehicle service.	*In-vehicle level of coverage*

Existing and Planned Sites and its Location are Indicated by a Circle with its Site Name

- In-Service sites or sites where planning permission has been submitted/approved.
- Nominal sites or planned sites where planning permission has not yet been submitted. Nominal sites are ideal location where an area will be searched to find suitable sites. It does not indicate a definite location where a site will be built. A planned site however, already has its exact location identified.

Existing and Planned Sites shown on Plots

Cell Id	Northing	Easting	Site Name	Notes
51543	105565	522230	ALLOTMENTS DNS	Application to be submitted.
55745	106622	521337	ERRINGHAM FARM CO LOCATION	Site being justified in these plots.
71665	104928	521108	NORFOLK BRIDGE	Site already exists.
94559	105120	523290	KINGSTON RADIO MAST	Site already exists.

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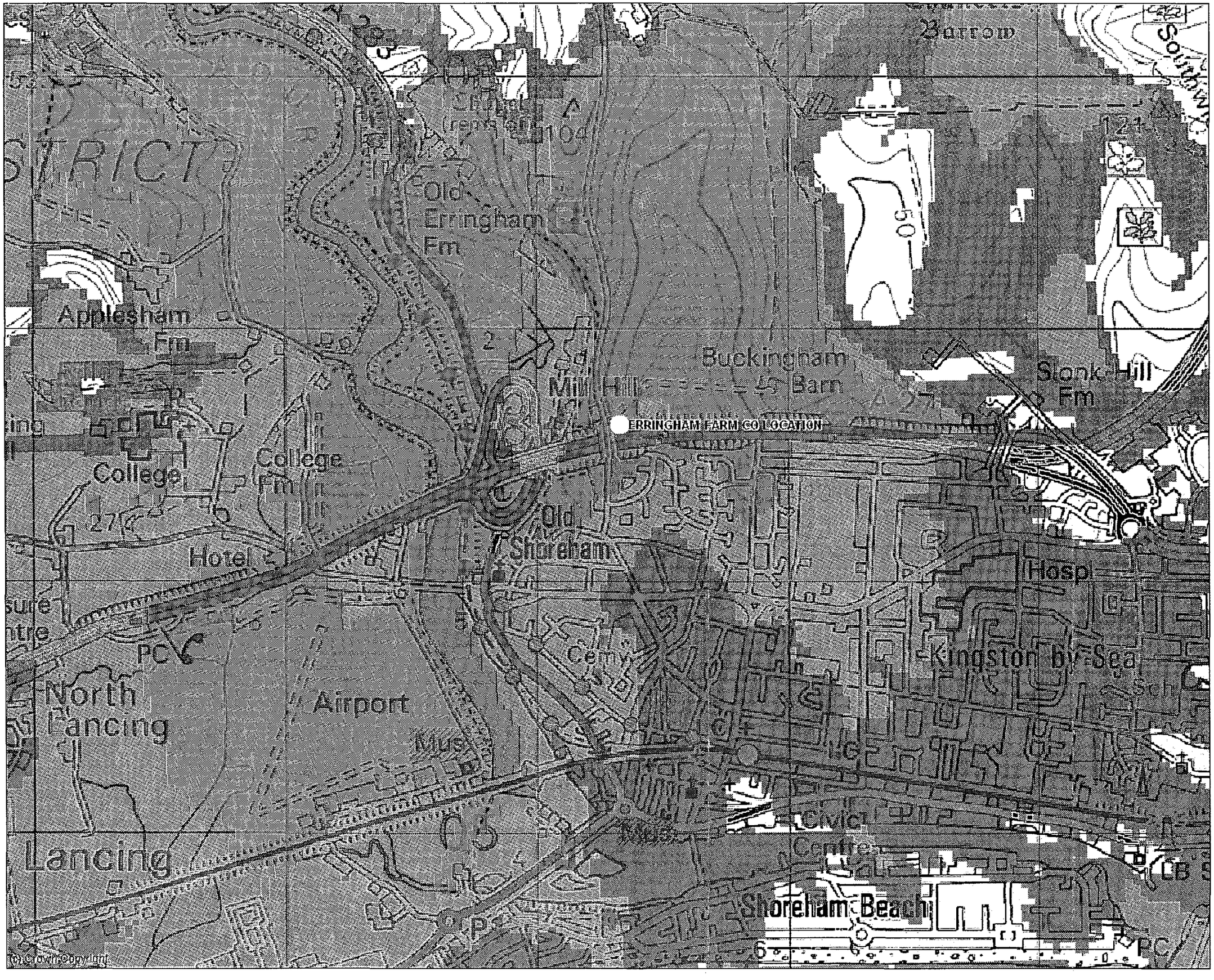

2G COVERAGE

T-Mobile Plot Ref: 46010

Cell 55745

Coverage from the proposed cell 55745 ERRINGHAM FARM CO LOCATION in isolation.

LEGEND

- Urban and Commercial level of coverage.
- Suburban and Residential level of coverage.
- In-Vehicle coverage.
- In-service sites or sites where planning permission has been submitted/approved.
- Nominal sites or planned sites where planning permission has not yet been submitted.

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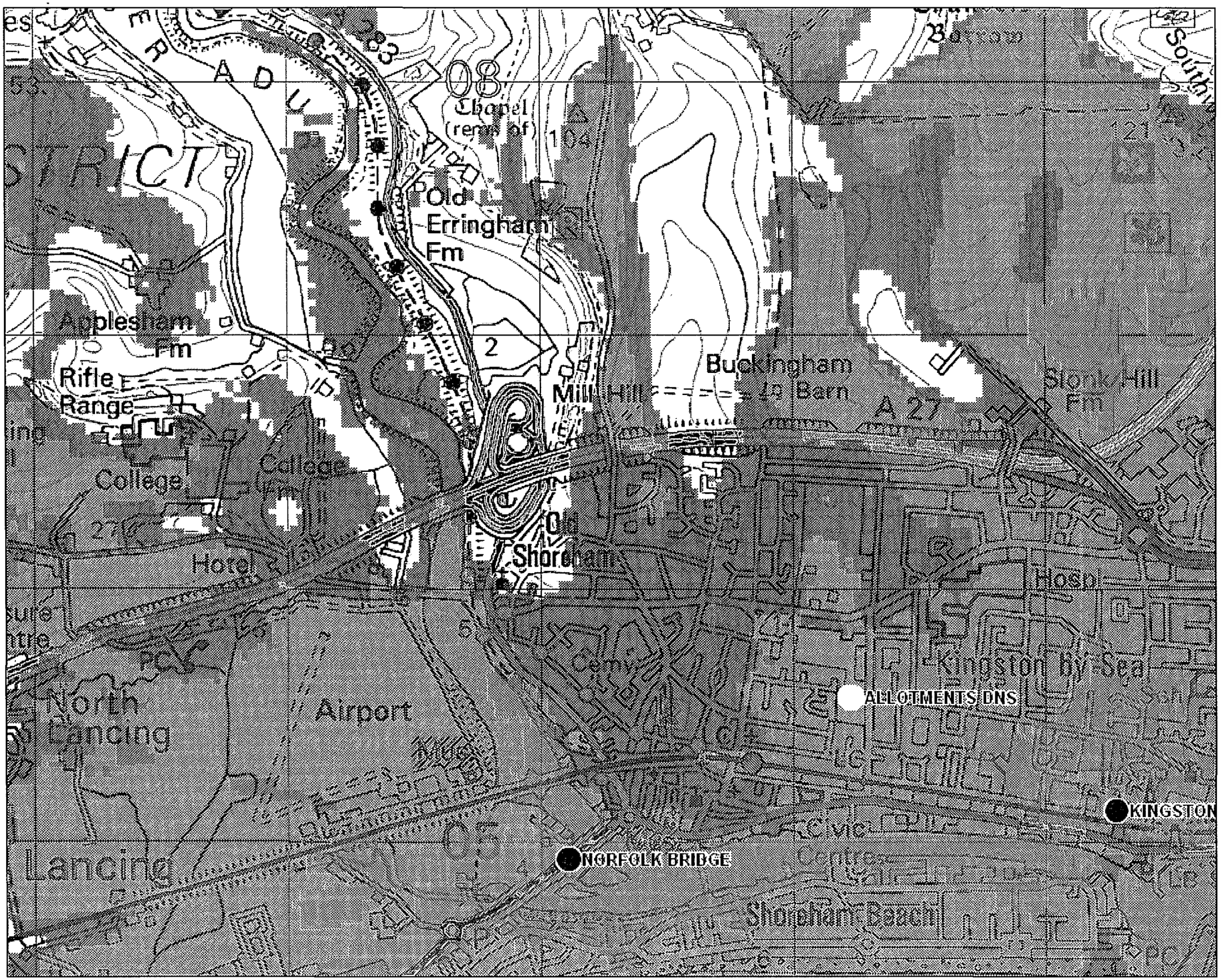

2G COVERAGE

T-Mobile Plot Ref: 46011

Cell 55745

Coverage from existing and planned sites in the area excluding the proposed cell 55745 ERRINGHAM FARM CO

LEGEND

- Urban and Commercial level of coverage.
- Suburban and Residential level of coverage.
- In-Vehicle coverage
- In-service sites or sites where planning permission has been submitted/approved.
- Nominal sites or planned sites where planning permission has not yet been submitted.

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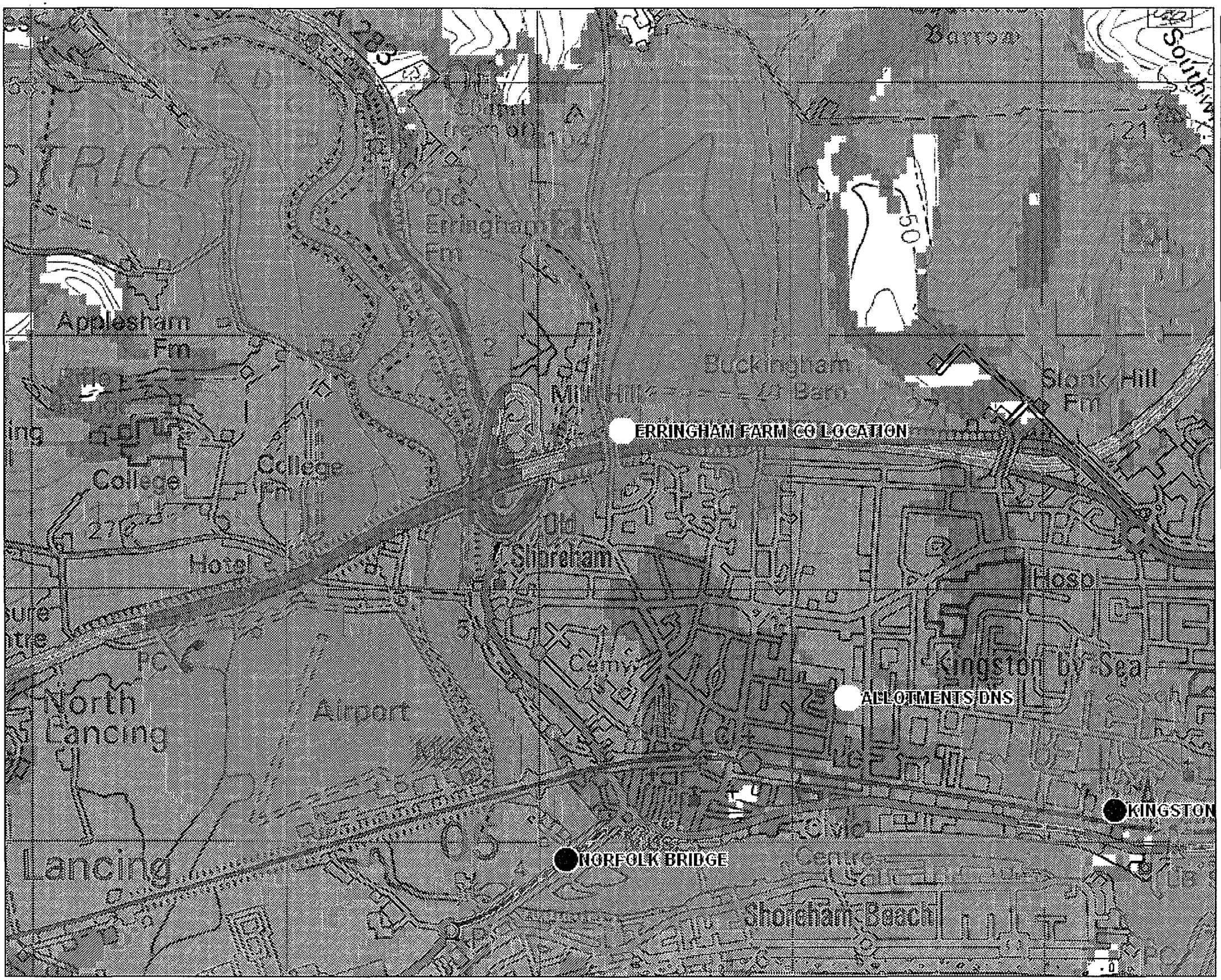

2G COVERAGE

T-Mobile Plot Ref: 46012

Cell 55745

Coverage from existing and planned sites in the area including the proposed cell 55745 ERRINGHAM FARM CO

LEGEND

- Urban and Commercial level of coverage.
- Suburban and Residential level of coverage.
- In-Vehicle coverage
- In-service sites or sites where planning permission has been submitted/approved.
- Nominal sites or planned sites where planning permission has not yet been submitted.

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DESIGN & ACCESS STATEMENT FOR THE PROPOSED T-MOBILE (UK) LTD RADIO BASE STATION AT LAND AT ERRINGHAM FARM, SHOREHAM BY SEA, WEST SUSSEX, BN43 5FA.

The Design Process
The proposed site will utilise an area measuring approximately 6 x 3.5 metres. The site has been designed to ensure that it will not interfere with the adjacent trees and vegetation. The proposed mast has been distanced from the equipment cabinet so as to maintain a working area around the base. It is also required as the design is such that the feeder cables coming from the equipment cabinet into the mast need a specific distance to bend into the pole. If the distance is decreased, this could lead to a break in the cables. If increased, the operational efficiency of the site will be reduced.

Use
The intended site location is within an agricultural field to the north of the A27 Shoreham by-pass.
The site location is displayed in Dwg No. 1222/036/001.

Layout
The pole and equipment cabinets are proposed to be located within a secure compound. The compound will be set-back approximately 1 metre from the field boundary, with the equipment cabinets inside the compound. The mast is to be sited to the east of the equipment cabinets.
The site layout is shown in detail on Dwg No's 1222/036/002A & /004A.

Scale
The proposed imitation telegraph pole mast will stand at a height of 10 metres. The proposed RBS 2106 cabinet will be 1300x710x1642mm high and the Link Cabinet Mark III will be 600x500x1235mm high.
The floor plan and elevation details are shown on Drawing No's 1222/036/002A & /003A.

Appearance
The proposed equipment cabinet and link cabinet will have a plastic coated metal finish, coloured to BS4800/18/B/21 – dark green. The proposed imitation telegraph pole will be made of Glass Reinforced Plastic and will have a simulated matt brown epoxy resin finish (to simulate the appearance of a telegraph pole, similsr to the adjacent Hutchison 3G telegraph pole).
(The equipment schedule, including details of external finishes can be found on Dwg No.1222/036/002A.)

Landscaping
It is not intended to install any hard or soft landscaping at this site. The proposal will be sited within a natural break in the existing vegetation and trees. The existing hard/soft landscaping is to be retained.

Access
The proposed site location is north of the A27. Vehicles will access the site from an existing access gate on Mill Hill. Once built and in service the proposal will require servicing on a periodic basis, this will be carried out on a semi regular basis by trained T-Mobile operatives. Maintenance of equipment cabinet will be carried out approximately once a month, also by trained operatives. The antenna will be accessed via a Moveable Elevated Work Platform. This is required infrequently (approximately once a year). Again, this will only be carried out by trained operatives. The general public should not be affected in terms of access to the site as the width of equipment cabinet is not substantially wider than the adjacent pole.
The Moveable Elevated Work Platform (MEWP) location is shown on Dwg No. 1222/036/002A.

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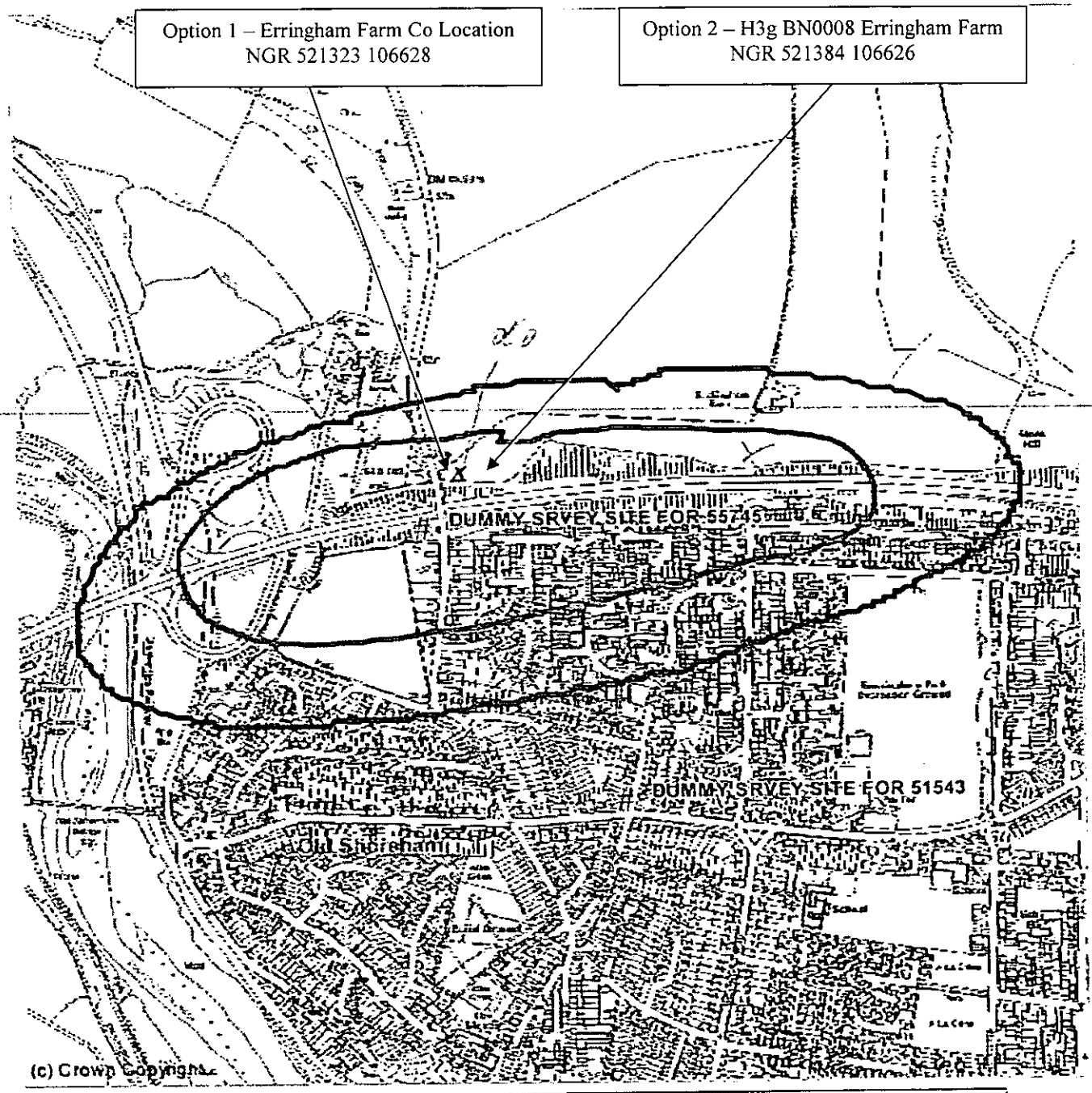
CELL SURVEY REPORT
Map of Directed Search Area

OS Map Indicating Coverage and Search Areas *(not to scale)*

Cell 55745



PREFERRED AREA

SEARCH AREA

EXISTING / PLANNED SITE IN NETWORK

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