Planning Services, Adur District Council

Civic Centre,
Ham Road,
Shoreham-by-Sea,
West Sussex,
BN43 6PR

Tel : (01273) 263222 (calls may be recorded)
website : www.adur.gov.uk
e-mail : developmentcontrol@adur.gov.uk

ADUR DISTRICT COUNCIL
PLANNING DIVISION
PLAN No. A0d0091/09
DATE RECEIVED 16 MAR 2009

Application for Planning Permission.
Town and Country Planning Act 1990

Publication of planning applications on council web sites
Please note that with the exception of applicant contact details and Certificates of Ownership, the information provided on this application form and in supporting documents may be published on the council's website.
If any other information that is provided as part of the application which falls within the definition of personal data under the Data Protection Act and is not to be published on the council's website, please contact the council's planning department.

1. Applicant Name, Address and Contact Details

Title: Mr First name: A Surname: Neale

Company name: T-Mobile

Street address: C/O Agent

Town/City: C/O Agent

County:

Country:

Postcode:

	Country Code	National Number	Extension Number
Telephone number:			
Mobile number:			
Fax number:			

Email address:

Are you an agent acting on behalf of the applicant? (●) Yes ( ) No

2. Agent Name, Address and Contact Details

Title: First Name: Alan Surname: Neale

Company name: LCC UK

Street address: Building 7200
IQ Cambridge
Beach Drive

Town/City: Cambridge

County:

Country: United Kingdom

Postcode: CB25 9TL

	Country Code	National Number	Extension Number
Telephone number:			
Mobile number:			
Fax number:			

Email address: alan_neale@lcc.com

3. Description of the Proposal

Please describe the proposed development including any change of use:
Installation of additional equipment cabinet

Has the building, work or change of use already started? ( ) Yes (●) No

4. Site Address Details

Full postal address of the site (including full postcode where available)

House: 0 Suffix:

House name:

Street address: Exiting Telecommunications Installation

Erriingham Farm

Town/City: Shoreham

County: West Sussex

Postcode: BN43 5FA

Description of location or a grid reference
(must be completed if postcode is not known):

Easting: 521337

Northing: 106622

Description:

Existing Telecommunications installation (T-Mobile)

5. Pre-application Advice

Has assistance or prior advice been sought from the local authority about this application? (●) Yes ( ) No

If Yes, please complete the following information about the advice you were given (this will help the authority to deal with this application more efficiently):

Officer name:

Title: Mr First name: Keith Surname: Morgan

Reference: None

Date (DD/MM/YYYY): 20/02/2009 (Must be pre-application submission)

Details of the pre-application advice received:

No concerns expressed

6. Pedestrian and Vehicle Access, Roads and Rights of Way

Is a new or altered vehicle access proposed to or from the public highway? ( ) Yes (●) No

Is a new or altered pedestrian access proposed to or from the public highway? ( ) Yes (●) No

Are there any new public roads to be provided within the site? ( ) Yes (●) No

Are there any new public rights of way to be provided within or adjacent to the site? ( ) Yes (●) No

Do the proposals require any diversions/extinguishments and/or creation of rights of way? ( ) Yes (●) No

7. Waste Storage and Collection

Do the plans incorporate areas to store and aid the collection of waste? ( ) Yes (●) No

Have arrangements been made for the separate storage and collection of recyclable waste? ( ) Yes (●) No

8. Neighbour and Community Consultation

Have you consulted your neighbours or the local community about the proposal? ( ) Yes (●) No

9. Council Employee / Member

Is the applicant or agent related to any member of staff or elected member of the council? ( ) Yes (●) No

10. Materials

Please state what materials (including type, colour and name) are to be used externally (if applicable):

Walls - description:

Description of *existing* materials and finishes:

N/A

Description of *proposed* materials and finishes:

N/A

10. Materials (continued)

Roof - description:

Description of *existing* materials and finishes:

N/A

Description of *proposed* materials and finishes:

N/A

Windows - description:

Description of *existing* materials and finishes:

N/A

Description of *proposed* materials and finishes:

N/A

Doors - description:

Description of *existing* materials and finishes:

N/A

Description of *proposed* materials and finishes:

N/A

Boundary treatments - description:

Description of *existing* materials and finishes:

N/A

Description of *proposed* materials and finishes:

N/A

Vehicle access and hard standing - description:

Description of *existing* materials and finishes:

N/A

Description of *proposed* materials and finishes:

N/A

Lighting - add description

Description of *existing* materials and finishes:

N/A

Description of *proposed* materials and finishes:

N/A

Others - description:

Type of other material: Equipment cabinet

Description of *existing* materials and finishes:

Steel - Dark Green

Description of *proposed* materials and finishes:

Steel - Dark Green

Are you supplying additional information on submitted plan(s)/drawing(s)/design and access statement? (●) Yes ( ) No

If Yes, please state references for the plan(s)/drawing(s)/design and access statement:

Drawings 55745/01-04
Supplementary Info For
Design & Access Statement

11. Vehicle Parking

Please provide information on the existing and proposed number of on-site parking spaces:

Type of vehicle	Existing number of spaces	Total proposed (including spaces retained)	Difference in spaces

12. Foul Sewage

Please state how foul sewage is to be disposed of:

Mains sewer ☐ Package treatment plant ☐ Unknown ☒

Septic tank ☐ Cess pit ☐

Other

Are you proposing to connect to the existing drainage system? ( ) Yes ( ) No (●) Unknown

13. Assessment of Flood Risk

Is the site within an area at risk of flooding? Refer to the Environment Agency's Flood Map showing flood zones 2 and 3 and consult Environment Agency standing advice and your local planning authority requirements for information as necessary. ○ Yes ◉ No

If Yes, you will need to submit an appropriate flood risk assessment to consider the risk to the proposed site.

Is your proposal within 20 metres of a watercourse (e.g. river, stream or beck)? ○ Yes ◉ No

Will the proposal increase the flood risk elsewhere? ○ Yes ◉ No

How will surface water be disposed of?

☐ Sustainable drainage system ☒ Main sewer ☐ Pond/lake

☐ Soakaway ☐ Existing watercourse

14. Biodiversity and Geological Conservation

To assist in answering the following questions refer to the guidance notes for further information on when there is a reasonable likelihood that any important biodiversity or geological conservation features may be present or nearby and whether they are likely to be affected by your proposals.

Having referred to the guidance notes, is there a reasonable likelihood of the following being affected adversely or conserved and enhanced within the application site, OR on land adjacent to or near the application site:

a) Protected and priority species

○ Yes, on the development site ○ Yes, on land adjacent to or near the proposed development ◉ No

b) Designated sites, important habitats or other biodiversity features

○ Yes, on the development site ○ Yes, on land adjacent to or near the proposed development ◉ No

c) Features of geological conservation importance

○ Yes, on the development site ○ Yes, on land adjacent to or near the proposed development ◉ No

15. Existing Use

Please describe the current use of the site:

Telecommunications

Is the site currently vacant? ○ Yes ◉ No

Does the proposal involve any of the following:

Land which is known to be contaminated? ○ Yes ◉ No

Land where contamination is suspected for all or part of the site? ○ Yes ◉ No

A proposed use that would be particularly vulnerable to the presence of contamination? ○ Yes ◉ No

Application advice
If you have said Yes to any of the above, you will need to submit an appropriate contamination assessment.

16. Trees and Hedges

Are there trees or hedges on the proposed development site? ○ Yes ◉ No

And/or: Are there trees or hedges on land adjacent to the proposed development site that could influence the development or might be important as part of the local landscape character? ○ Yes ◉ No

If Yes to either or both of the above, you will need to provide a full Tree Survey with accompanying plan before your application can be determined. Your Local Planning Authority should make clear on its website what the survey should contain, in accordance with the current 'BS5837: Trees in relation to construction - Recommendations'

17. Trade Effluent

Does the proposal involve the need to dispose of trade effluents or waste? ○ Yes ◉ No

18. Residential Units

Does your proposal include the gain or loss of residential units? ○ Yes ◉ No

19. All Types of Development: Non-residential Floorspace

Does your proposal involve the loss, gain or change of use of non-residential floorspace? ○ Yes ◉ No

20. Employment

If known, please complete the following information regarding employees:

	Full-time	Part-time	Equivalent number of full-time
Existing employees	0	0	0
Proposed employees	0	0	0

21. Hours of Opening

If known, please state the hours of opening for each non-residential use proposed:

Use	Monday to Friday Start Time	Monday to Friday End Time	Saturday Start Time	Saturday End Time	Sunday and Bank Holidays Start Time	Sunday and Bank Holidays End Time	Not Known
Other							☒

22. Site Area

What is the site area? 27.00 sq.metres

23. Industrial or Commercial Processes and Machinery

Please describe the activities and processes which would be carried out on the site and the end products including plant, ventilation or air conditioning. Please include the type of machinery which may be installed on site:

Telecommunications

Is the proposal for a waste management development? ○ Yes ◉ No

24. Hazardous Substances

Is any hazardous waste involved in the proposal? ○ Yes ◉ No

25. Site Visit

Can the site be seen from a public road, public footpath, bridleway or other public land? ○ Yes ◉ No

If the planning authority needs to make an appointment to carry out a site visit, whom should they contact? (Please select only one)

◉ The agent ○ The applicant ○ Other person

26. Certificates (Certificate B)

Certificate of Ownership - Certificate B

Town and Country Planning (General Development Procedure) Order 1995 Certificate under Article 7

I certify/The applicant certifies that I have/the applicant has given the requisite notice to everyone else (as listed below) who, on the day 21 days before the date of this application, was the owner *(owner is a person with a freehold interest or leasehold interest with at least 7 years left to run)* of any part of the land or building to which this application relates.

Notice recipient	Date notice served
Name: Mr P Nye Number: 0 Suffix: Street: Erringham Farm Locality: Town: Shoreham Postcode: BN43 5FA	06/03/2009

Title: Mr First name: A Surname: Neale

Person role: Agent Declaration date: 06/03/2009 ☒ Declaration made

26. Certificates (Agricultural Holdings Certificate)

Agricultural Holding Certificate

Town and Country Planning (General Development Procedure) Order 1995 Certificate under Article 7

Agricultural Land Declaration - You Must Select Either A or B

(A) None of the land to which the application relates is, or is part of an agricultural holding. ◉

(B) I have/The applicant has given the requisite notice to every person other than myself/the applicant who, on the day 21 days before the date of this application, was a tenant of an agricultural holding on all or part of the land to which this application relates, as listed below: ○

Title: Mr First Name: A Surname: Neale

Person role: Agent Declaration date: 06/03/2009 ☒ Declaration Made

27. Declaration

I/we hereby apply for planning permission/consent as described in this form and the accompanying plans/drawings and additional information. ☒

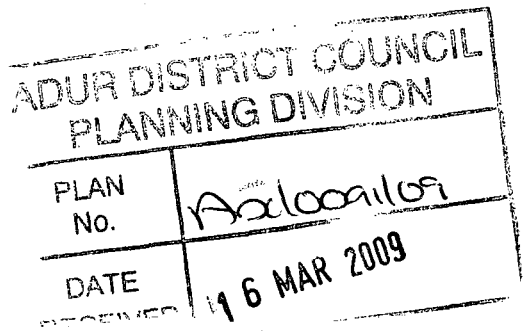
Date 06/03/2009

LCC UK
IQ Cambridge
Building 7200
Beach Drive
Waterbeach
Cambridge
CB25 9PD
Tel: 01223 815666
www.lcc.com

Our Ref: AN/TM-UG/55745

6th March 2009

Director of Planning
Adur District Council
Civic Centre
Ham Road
Shoreham-by-Sea
West Sussex
BN43 6PR



SUBMITTED VIA THE PLANNING PORTAL
Ref: PP-663219

Dear Sirs

EXISTING T-MOBILE INSTALLATION, ERRINGHAM FARM, SHOREHAM, WEST SUSSEX BN43 5FA – PROPOSED UPGRADE FOR T-MOBILE

This is an application for planning permission for the installation of an additional equipment cabinet at existing T-Mobile installation Erringham Farm, Shoreham, West Sussex BN43 5FA.

The application comprises:

- Planning application form and certificates (submitted via the Planning Portal)
- Planning drawings – reference numbers 55745/01-04 (submitted via the Planning Portal)
- Additional Site Plan (site edged red - submitted via the Planning Portal)
- Prescribed fee, being a cheque in the sum of £335.00 made payable to the local authority (forwarded separately by post)
- Site Specific Supplementary Information (submitted via the Planning Portal)
- Justification and coverage plots (forwarded separately by post)
- ICNIRP declaration and explanatory letter (submitted via the Planning Portal)
- Design & Access Statement (submitted via the Planning Portal)

As you will be aware, the telecommunications industry has pledged in the Code of Best Practice for Mobile Phone Network Development (November 2002) to improve consultation with local planning authorities and the public in relation to network development and the siting of radio base stations. This application has been prepared in accordance with those commitments.

On an annual basis, both T-Mobile and 3 UK circulate their network plans of existing and proposed sites to all local planning authorities in order that you can maintain your mast register and ensure that the public has access to this information.

Following consultation in relation to these proposals, within which 3 UK have reviewed their network development plans, the potential for site shares and the use of existing structures and buildings in a sequential approach (together with your development plan policies), the above site that is the subject of

LCC Deployment Services UK Ltd trading as LCC UK•Registered Office: Minerva House•5 Montague Close•SE1 9BB•England·
Registered in England and Wales•Registration No. 4349192•VAT Registration No. GB 787-2044-10

LCC UK
IQ Cambridge
Building 7200
Beach Drive
Waterbeach
Cambridge
CB25 9PD
Tel: 01223 815666
www.lcc.com

this application has been identified as the most suitable site option and design that balances operational need with local planning policies and national planning policy guidance.

We are committed to improving our relationship with all local planning authorities and we would be happy to provide any additional information in relation to this application or in general.

Please note that a hard copy of this letter will be sent with the prescribed fee.

We look forward to receiving your acknowledgement and decision in due course.

Yours faithfully

Alan Neale
Consultant Planner
LCC UK

For and on behalf of T-Mobile and 3 UK Ltd
Mobile: 07770 975 667
Email: alan_neale@lcc.com

Enc

LCC Deployment Services UK Ltd trading as LCC UK•Registered Office: Minerva House•5 Montague Close•SE1 9BB•England
Registered in England and Wales•Registration No. 4349192•VAT Registration No. GB 787-2044-10

Signed	Alan Neale	Date	6th March 2009
Position	Consultant Planner	Company (on behalf of the above operator)	LCC UK

T-Mobile

Hatfield Business Park,
Hatfield,
Hertfordshire AL10 9BW
Phone: +44 (0)1707 315000,
Fax: +44 (0)1707289301

Star House, 20 Grenfell
Road
Maidenhead, SL6 1EH
Phone: +44 (0)1628
765000

ADUR DISTRICT COUNCIL
PLANNING DIVISION

PLAN No.	AA/0091/09
DATE RECEIVED	16 MAR 2009

Declaration of Conformity with ICNIRP Public Exposure Guidelines

Certifies that the proposed equipment and installation as detailed in drawing numbers 55745/01,02,03,04 within the attached planning application at:

Cell No.: 55745 – ERRINGHAM FARM

Erringham Farm Co-Location
Erringham Farm
Shoreham By Sea
West Sussex
BN43 5FA

Is in full compliance with the requirements of the radio frequency (RF) public exposure guidelines of the International Commission on Non-Ionising Radiation (ICNIRP), as expressed in EU Council recommendation of 12 July 1999 * "on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz)".

* Reference: 1999/519/EC

20th February 2009



Signed:
For and on behalf of T-Mobile (UK) and Hutchison 3G

Jason Archer

Design Manager

LCC (UK) Ltd

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the knowledge that powers the network™

ADUR DISTRICT COUNCIL
PLANNING DIVISION
PLAN No. ADC/0091/09
DATE 16 MAR 2009

Design & Access Statement

Telecommunications Proposal

Upgrade at Existing T-Mobile Installation
Erringham Farm
Shoreham
West Sussex
BN43 5FA

We are aware of changes to the development control system that has heralded the need for Design & Access Statements in relation to a variety of formal planning submissions.

As you will be aware, engineering operations are exempt from this requirement, and while there is no strict definition within planning legislation that classifies telecommunications as an engineering operation, it clearly has significant and substantial similarities.

In addition, our understanding of the spirit of these changes to the development control system is that it is largely aimed at mainstream development proposals, particularly in relation to issues of access.

Notwithstanding the above, and our view that telecommunications proposals are not directly affected by these changes, all formal applications and submissions undertaken by LCC for the telecommunications industry will always address the following:

- The siting and design of the scheme, and the principles and concepts that have been applied
- Where issues of access are pertinent (for example where a new access is being formed), the nature and detail of this will be described. It will be appreciated that general public access is not permitted in relation to telecommunications installations.

In order to assist the LPA in considering this particular submission in the context of the requirement for Design and Access Statements, we have collected in this document the various relevant sections contained in the accompanying supporting documentation and supplementary information.

Design and Access Statements

The following are the relevant headings that need to be considered in relation to design and access issues, for the purposes of Design and Access Statements

The Design Process

This scheme seeks to utilise an existing T-Mobile installation located at Erringham Farm, Shoreham, West Susex BN43 5FA

The proposal seeks the installation of a small additional equipment cabinet

Utilising existing sites accords with the adopted policy of Adur Council.

It is believed the overall impact on the locality will be negligible.

Use, Layout and Scale

The proposal is for a telecommunications installation.

It seeks to utilise an established T-Mobile telecommunication facility to avoid the proliferation of additional installations within the area.

The only visual impact will be the addition of a small equipment cabinet, the impact of which will be minor in the context of the existing locality and equipment in place.

Use of existing sites is encouraged through both the adopted policy of Adur Council, and through National Guidance issued by central government, as contained within both PPG8 and the Code of Best Practice.

Appearance

Type of Structure (e.g. tower, mast, etc):	
Description Existing pole	
Overall Height 10m	
Height of existing building (where applicable)	
Equipment Housing – Existing (internal)	
Length	900mm
Width	800mm
Height	1.24m
Materials (as applicable)	
Tower/mast etc – type of material and external colour	As existing
Equipment housing – type of material and external colour	Steel/Dark Green (see drawings)

Landscaping

No additional landscaping has been proposed with the development.

Access

Access to the application site is from the highway for both maintenance and construction. Radio base stations are not designed to be accessible by the public. Therefore no specific access provisions are required to be incorporated into the design of the proposal.

The proposed site does not impede access along the highway.

ADUR DISTRICT COUNCIL
PLANNING DIVISION
PLAN No. AD/0021/09
DATE 16 MAR 2009

SUPPLEMENTARY INFORMATION TEMPLATE

1. Site details

Site Name	T-Mobile Cell Site 55745 Erringham Farm	Site Address	Erringham Farm Shoreham West Sussex BN43 5FA
NGR	521337 106622		
Site Ref Number	T-Mobile CS 55745	Site Type[1]	Macro – Site Share & Upgrade

2. Pre Application Check list

Site selection

Was the mast register of the authority[2] responsible for planning used to check for suitable sites by the operator or the authority?	yes	
if no explain why		
Was the industry site database checked for suitable sites by the operator?	yes	
if no explain why		

Annual roll out consultation with the authority[2] responsible for planning

Date of last annual rollout information/ submission	October 2008
Name of contact	Head of Planning Dept
Summary of outcome/Main issues raised No responses received	

Pre-application consultation with the authority[2] responsible for planning

Date of written offer of pre-application consultation	16th February 2009
Was there pre-application contact	Yes
Date of pre-application contact	20th February 2009
Name of contact	Keith Morgan
Summary of outcome/Main issues raised No concerns	

[1] Macro or micro
[2] England & Wales-Local Planning Authority. Scotland-Planning Authority. Northern Ireland- Department of Environment Planning Services

Ten Commitments Consultation

Rating of Site under Traffic Light Model	Green		
Outline Consultation carried out As above			
Summary of outcome/Main issues raised No adverse feedback received			

School/College

Location of site in relation to school/college (include name of school/college) None in proximity
Outline of consultation carried out with school/college. (include evidence of consultation)
Summary of outcome/Main issues raised

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

Will the structure be within 3km of an aerodrome or airfield?		**N/A**
Has the Civil Aviation Authority/Secretary of State for Defence/Aerodrome Operator been notified		**N/A**
Details of response N/A		

Developer's Notice
(only required for an application for prior approval) See Planning Application Forms & Certificates

Copy of Developer's Notice enclosed	**Yes**	
Date served	**6th March 2009**	

3.0 Proposed Development

The proposed site
This scheme seeks to utilise an existing telecommunications installation located on an existing pole. The scheme merely seek the upgrade of the existing instillation by way of an addition of a small equipment cabinet

Enclose map showing the cell centre and adjoining cells
See attached

Type of Structure (e.g. tower, mast, etc):	
Description Existing pole	
Overall Height 10m	
Height of existing building (where applicable)	
Equipment Housing – Existing (internal)	
Length	900mm
Width	800mm
Height	1.24m
Materials (as applicable)	
Tower/mast etc – type of material and external colour	As existing
Equipment housing – type of material and external colour	Steel/Dark Green (see drawings)

Reasons for choice of design
Use of existing sites is encouraged through both the adopted policy of Adur Council, and through National Guidance issued by central government, as contained within both PPG8 and the Code of Best Practice. This scheme seeks merely to ad a small equipment cabinet within the existing compound area It is believed the overall impact on the locality will be negligible.

4.0 Technical information

ICNIRP Declaration attached ICNIRP public compliance is determined by mathematical calculation and implemented by careful location of antennas, access restrictions and/or barriers and signage as necessary. Members of the public cannot unknowingly enter areas close to the antennas where exposure may exceed the relevant guidelines. When determining compliance the emissions from all mobile phone network operators on the site are taken into account.	Yes	

Frequency	T-Mobile: 1959.7-1969.7 MHz & 2149.7-2159.7 MHz
Modulation characteristics[3]	GSM
Power output (expressed in EIRP in dBW per carrier)	32.0 dBw
Height of antenna (m above ground level)	9.00 m

5.0 Technical Justification

Enclose predictive coverage plots.

Reason(s) why site required e.g. coverage, upgrade, capacity (map attached if required)
T-Mobile Ltd have a requirement to provide improved 2G coverage in the area of the subject site, and these requirements can be accommodated by way of a relatively minor development in relation to the existing T-Mobile installation. Justification and coverage plots are attached to this application for further reference

[3] 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.

6.0 Site selection process – alternative sites considered and not chosen

Enclose map highlighting all alternatives that have been considered by the operator.

NO OTHER SITES REALISTICALLY CONSIDERED, GIVEN THE SPECIFIC REQUIREMENT AND NATURE OF THE SCHEME

Additional relevant information

Contact Details

Name	**LCC UK**	**Telephone**	**01223 815666**
Operator	**T-Mobile and 3 UK Ltd**	**Fax no**	
Address	**Cambridge Research Park, The Boardwalk Centre, Building 7200, Beach Drive, Waterbeach, Cambridge CB25 9PD**	**Email address**	**alan_neale@lcc.com**

Do Not Scale

N
W E
S

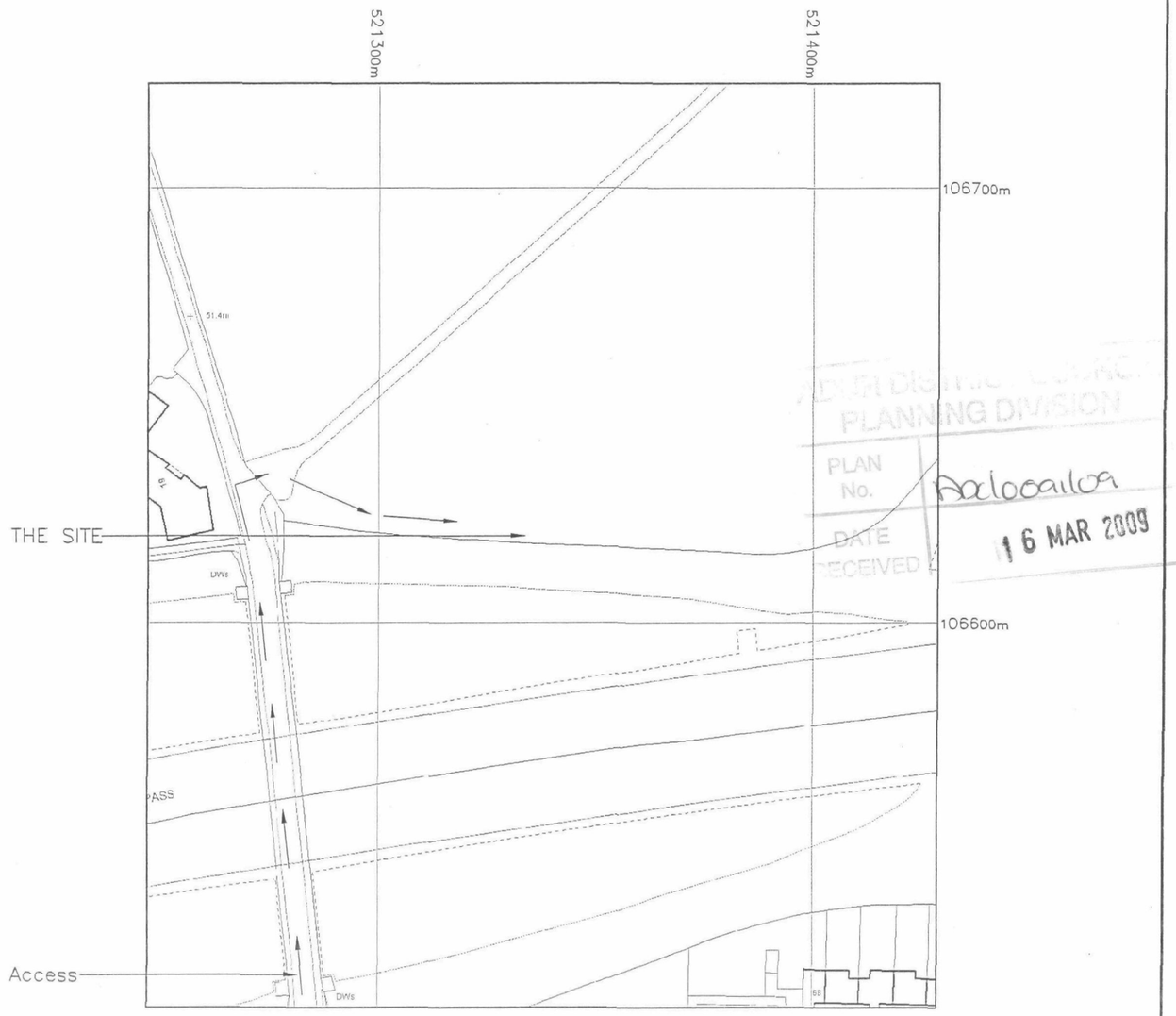
SITE LOCATION



SITE LOCATION PLAN

SCALE 1:50,000

MAP EXTRACT : 198 LANDRANGER SERIES



LOCATION PLAN

SCALE 1:1250

O.S. REF. 521337, 106622

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LICENCE No. 100046468

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IQ CAMBRIDGE
SUITE 7225,
BUILDING 7200,
BEACH DRIVE,
WATERBEACH,
CAMBRIDGE,
CB25 9TL
TEL: 01223 815666
FAX: 01223 815665

REVISIONS	CHK	DATE

DWG STATUS: LEGAL AGREEMENT DRAWING

DRAWING No.: 55745/01 REV: –

SCALE: AS SHOWN Original drawing A3 size

DRAWN	CHECKED	APPROVED	DATE
NA	JA	JA	12/12/08

TITLE

LOCATION PLANS

ERRINGHAM FARM CO LOCATION, ERRINGHAM FARM

SHOREHAM BY SEA, WEST SUSSEX, BN43 5FA

CELL NO. 55745 , SITE I.D. 1057169

T-Mobile

T-Mobile (UK) Ltd
Registered Office: Hatfield Business Park, Herts, AL10 9BW
Telephone : 01707 315 000 Facsimile : 01707 315 000
Registered in England: No. 01262161

ADUR DISTRICT COUNCIL
PLANNING DIVISION
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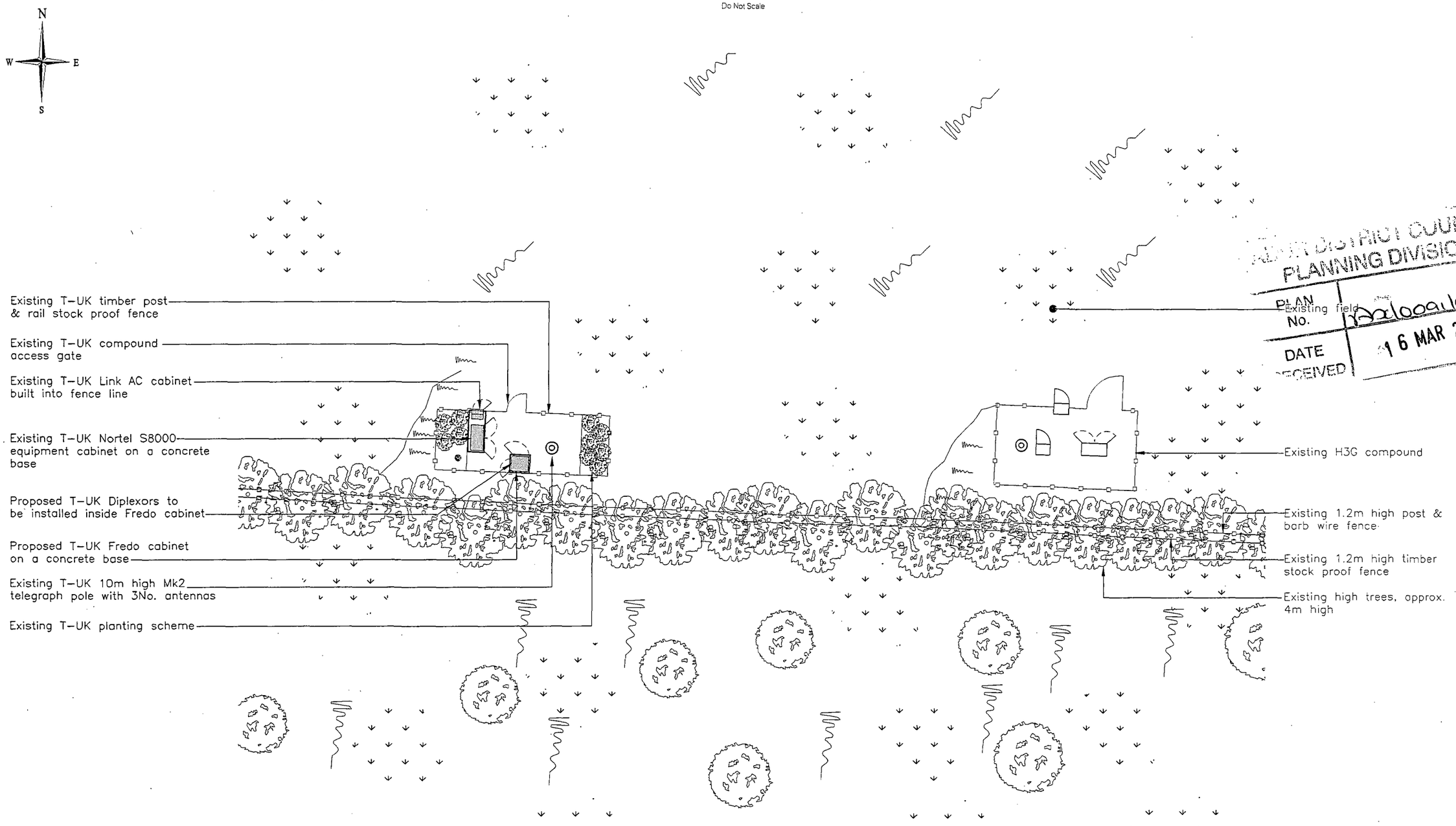
Do Not Scale



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PLAN No. AWA/0091/09
DATE RECEIVED 16 MAR 2009

SITE PLAN
SCALE 1:200

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IQ CAMBRIDGE
SUITE 7225,
BUILDING 7200,
BEACH DRIVE,
WATERBEACH,
CAMBRIDGE,
CB25 9TL.
TEL: 01223 815666
FAX: 01223 815665

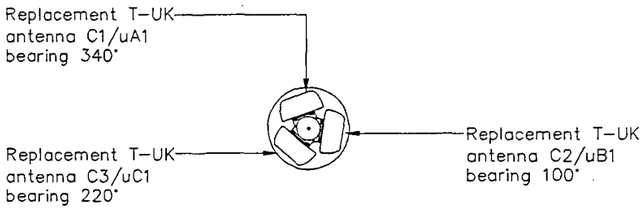
REVISIONS	CHK	DATE

DWG STATUS: LEGAL AGREEMENT DRAWING
DRAWING No.: 55745/02
REV: A
SCALE: AS SHOWN
Original drawing A3 size
DRAWN: NA | CHECKED: JA | APPROVED: JA | DATE: 12/12/08

TITLE
SITE PLAN
ERRINGHAM FARM CO LOCATION, ERRINGHAM FARM
SHOREHAM BY SEA, WEST SUSSEX, BN43 5FA
CELL NO. 55745 , SITE I.D. 1057169

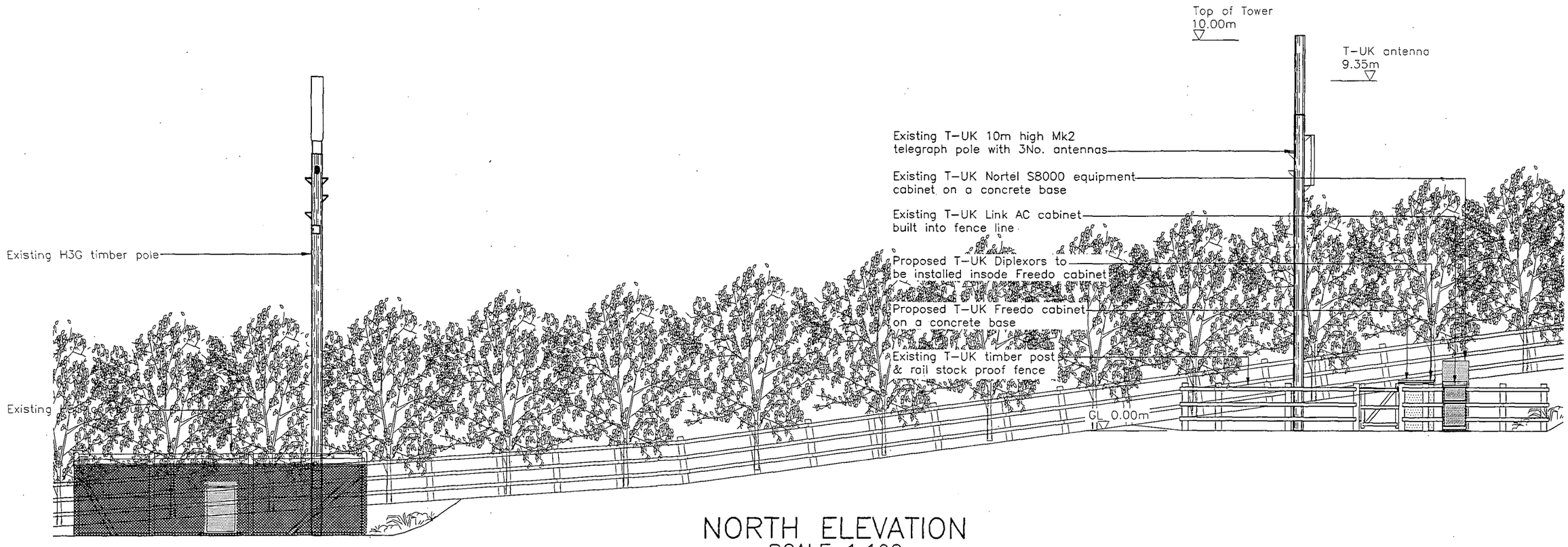
T-Mobile
T-Mobile (UK) Ltd
Registered Office: Hatfield Business Park, Herts, AL10 9BW
Telephone : 01707 315 000 Facsimile : 01707 315 000
Registered in England: No. 01282161

Do Not Scale



AERIAL ORIENTATION
SCALE 1:20

...DUR DISTRICT COUNCIL
PLANNING DIVISION
PLAN No. Aoc1009169
DATE RECEIVED 16 MAR 2009



NORTH ELEVATION
SCALE 1:100

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REVISIONS	CHK	DATE

DWG STATUS			
LEGAL AGREEMENT DRAWING			
DRAWING No. 55745/03			REV –
SCALE AS SHOWN			Original drawing A3 size
DRAWN NA	CHECKED JA	APPROVED JA	DATE 12/12/08

TITLE
ELEVATION & AERIAL ORIETATION PLAN
ERRINGHAM FARM CO LOCATION, ERRINGHAM FARM
SHOREHAM BY SEA, WEST SUSSEX, BN43 5FA
CELL NO. 55745 , SITE I.D. 1057169

T-Mobile
T-Mobile (UK) Ltd
Registered Office: Hatfield Business Park, Herts. AL10 9BW
Telephone : 01707 315 000 Facsimile : 01707 315 000
Registered in England: No. 01262161

CONSTRUCTION NOTES

1.1 Do not scale.

1.2 All dimensions are in millimetres unless otherwise specified.

1.3 This drawing to be read in conjunction with all other relevant drawings.

1.4 The Typical Details Drawings to be adopted for this specific project are as listed in the Schedule of Works.

GENERAL

2.1 All dimensions shown to existing structures are approximate and the CONTRACTOR is to obtain all exact site dimensions necessary to carryo out the works.

2.2 All specialist items to be used in accordance with the MANUFACTURERS recommendations.

2.3 The CONTRACTOR shall submit his proposals for the temporary supports and method statement showing the sequence of construction of the works to Employer for comment before commencement of the works.

2.4 The CONTRACTOR shall be responsible for ensuring that sufficient tolerances are provided and integrated throughout all elements of the works. The CONTRACTOR is to take account of tolerances detailed elsewhere when complying with this clause. Temporary protection shall be provided to prevent water penetration into existing buildings during the works. The contractor is entirely responsible for maintaining the stability of all existing buildings and structures within and adjacent to the works and of all works, from the date of possession of the site until practical completion of the works. He shall design, install and maintain all necessary temporary works to comply with the above. All details of existing construction to be confirmed on site. Any discrepancies are to be reported to the engineer immediately.

CONCRETE

3.1 All mass and reinforced concrete to Grade FND3. Blinding concrete to be grade GEN3.

3.2 Plain bar reinforcement to BS 4449, Grade 250 designated by the prefix "R" Deformed bar reinforcement to BS 4449, Grade 460, designated by the prefix "T"

3.3 Minimum concrete cover to formed or prepared surfaces to be 40mm. Minimum concrete cover to unblinded excavations to be 75mm.

3.4 Concrete to each base to be placed in one continuous pour.

3.5 Formed finishes to be Basic Finish.

3.6 Worked finishes to be Wood Float Finish.

GROUNDWORKS

4.1 The CONTRACTOR shall notify the Engineer to allow for inspection of all formations prior to concreting. Reasonable notice is to be given to allow any inspection to be carried out. Bases shall not be cast without the approval of the engineer.

4.2 The allowable ground bearing pressure assumed in the design of the tower foundation is 100KN/m².

4.3 The allowable ground bearing pressure assumed in the design of the cabin foundation is 20 KN/m².

4.4 All soft spots are to be backfilled with either blinding concrete or well-compacted granular fill.

GROUNDWORKS CONT.

4.5 The CONTRACTOR is to provide adequate temporary access and surfacing to the works during the construction period, including that required for cabin and tower installation.

STEELWORK

5.1 Structural steel to be grade S275.

5.2 All welds to be minimum 6mm fillet weld unless noted otherwise. Welds at tube to tube connections to be full penetration butt welds.

5.3 Bolts generally to be grade 8.8 to BS4190 minimum size 12mm dia. UNLESS NOTED OTHERWISE. Bearing surfaces to be clean galvanised.

5.4 All steelwork to be galvanised to BS EN ISO 1461 70µ.

5.5 Fabrication drawings based upon site dimensions are to be prepared by the contractor for all steelwork and these are to be submitted to LCC UK for comment prior to fabrication.

5.6 Minor site erection damage to be made good with Galvafroid or similar approved.

5.7 All freestanding handrail is to be 'Safesite' System 2000 Guardrail.

5.8 All open steel flooring is to be 20x3 galvanised steel Flowforge unless otherwise stated.

ELECTRICAL & EARTHING

6.1 The lightning protection installation shall comply in full with BS 6651, 1992.

6.2 Lightning protection shall provide a maximum resistance of 10 ohms.

6.3 The electrical installation shall comply in full with BS 7671, 1992 (Requirements for Electrical Installations).

6.4 The earthing installation shall comply in full with BS 7430, 1991.

6.5 Earth pit installations shall be a minimum of 3m apart.

6.6 On completion of the works, test certificates shall be provided for the following:
i) Electrical installation
ii) Lightning Protection system
iii) Conformity for fire/environmental alarms
iv) DC commissioning.

6.7 All lightning protection earth tapes above ground to be in copper or aluminium as specified on the design drawing. Tapes above ground to be PVC sheathed (grey), bare copper below ground. Bi-metallic joints located above ground shall be used where copper connects to aluminium.

6.8 Following the provision of ac power to the cabin, the Contractor shall carry out the following works related to the installed Fire Alarm Panel (FAP):
(a) Connect battery supplied with FAP into the panel.
(b) Carry out 'lamp test' to confirm that all indications are illuminating.
(c) Check that 'mains healthy' lamp is illuminated.
(d) Remove dust covers if fitted to smoke detectors.
(e) The Fire Alarm System shall be left in an operational state upon site completion.

ELECTRICAL & EARTHING CONT.

6.9 The Contractor shall liaise with Electrical supply company in all matters relating to connection of electrical supply within T-UK timescale. Contacts may be obtained from LCC UK.

6.10 Where an existing rooftop lightning protection system exists, new tapes shall match the existing. When lightning protection tapes are installed on rooftops where no existing tapes are installed, they shall be PVC covered copper or aluminium, as specified on the design drawings. PVC colour shall be sympathetic with the building finishes.

6.11 The CONTRACTOR is to ensure that the existing lightning protection system, where directly affecting the correct operation of the T-UK installation, is in a good state of repair with conductor tapes correctly and adequately secured. All additional extraneous metalwork forming part of the T-UK installation at roof level, including cable tray, shall be cross bonded to the lightning protection system.

6.12 Where T-UK electrical supply cable is installed adjacent to other services or surface routed in access ways, maintenance areas etc. the cable shall be clearly identified by attachment of tags spaced at 2m intervals. The tags shall be manufactured from Traffolyte with "T-MOBILE (UK) Ltd" engraved in black 4mm high characters on a white background. Each tag shall be securely fixed to the cable sheath in prominent positions using nylon cable ties.

6.13 The CONTRACTOR is to ensure that a main equipotential bonding conductor is installed at the nearest point between the lightning protection down tape and building main earth terminal in accordance with BS 7617 (IEE Reg 547 and 413-02-02).

MISCELLANEOUS

7.1 Electrical Supply - Cable Changeover Schedule. The CONTRACTOR shall provide a method statement detailing the electrical power changeover prior to commencing any works on site. T-UK shall confirm that the statement is acceptable prior to programming the works.

7.2 When adding or relocating existing earthing pits the CONTRACTOR shall ensure that service earth bonds are maintained at all times.

7.3 Single Phase Supply Connected to Three Phase Distribution Board. When a single phase supply is installed into a three phase distribution board the CONTRACTOR shall install a Crabtree busbar paralleling assembly Part No. 16/P to the distribution board to allow it to function on a single phase supply. The CONTRACTOR shall supply and fit a warning label to the distribution board worded: "This distribution board has been converted to SP&N operation". The CONTRACTOR shall also supply and fit a warning label to the fuseswitch worded: "The distribution board in the cabin (or equipment room) has been converted to SP&N operation" The label shall be Traffolyte with 5mm black on white lettering.

7.4 All non hydroscopic insulating pads beneath free standing steelwork is to be 'Styrofoam' Roofmate SLX 50 unless otherwise stated.

T-UK EQUIPMENT

CABIN DETAILS :
T-UK Ref : FREDO & AC/LINK, S8000
Dimensions : 900x800x1240 high, 600x500x1260mm high
Material : Steel
Colour : Green RAL 6009

TOWER DETAILS :
T-UK Ref : 10.0m/ Mk 2 telegraph pole
T-UK Dwg No :
Colour :

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PLANNING DIVISION
PLAN No. A0100/09
DATE RECEIVED 16 MAR 2009

ANTENNA DETAILS:								
Proposed	Orientation °EGN	Mid Antenna Height (m)	RET Required	Overall Feeder Length (m)	Antenna Jumper Length (m)	Overall System Loss	Main Feeder Type (")	TMA
C1/uA1	340	9.35m	No	22m	1	2.8	4-50	Yes
C2/uB1	100	9.35m	No	22m	2	2.8	4-50	Yes
C3/uC1	220	9.35m	No	22m	3	2.8	4-50	Yes
Antenna Type: Kathrein 742215								

DISH DETAILS:				
Dish ID	D1 Reserved	D2 Reserved	D3 Reserved	D4 Reserved
Dish Size				
Height m AGL				
Pole Tag Ref				
Bearing °EGN				
Site Name				
TNE No.				
ML No.				
Radio Type				
Polarity				

Key to Dish Status
CO: Commissioned/Installed transmission dish
PL: Planned transmission dish with Landlords & Planning consent
Reserved: Approved transmission dish for future requirement
Proposed: New transmission dish awaiting Landlords & Planning consent.
HCO: Replace existing transmission dish with Landlords & Planning consent.

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DWG STATUS: LEGAL AGREEMENT DRAWING
DRAWING No.: 55745/04
REV: -
SCALE: AS SHOWN
Original drawing A3 size
DRAWN: NA | CHECKED: JA | APPROVED: JA | DATE: 12/12/08

TITLE
STANDARD NOTES & ANTENNA SCHEDULES
ERRINGHAM FARM CO LOCATION, ERRINGHAM FARM
SHOREHAM BY SEA, WEST SUSSEX, BN43 5FA
CELL NO. 55745 , SITE I.D. 1057169

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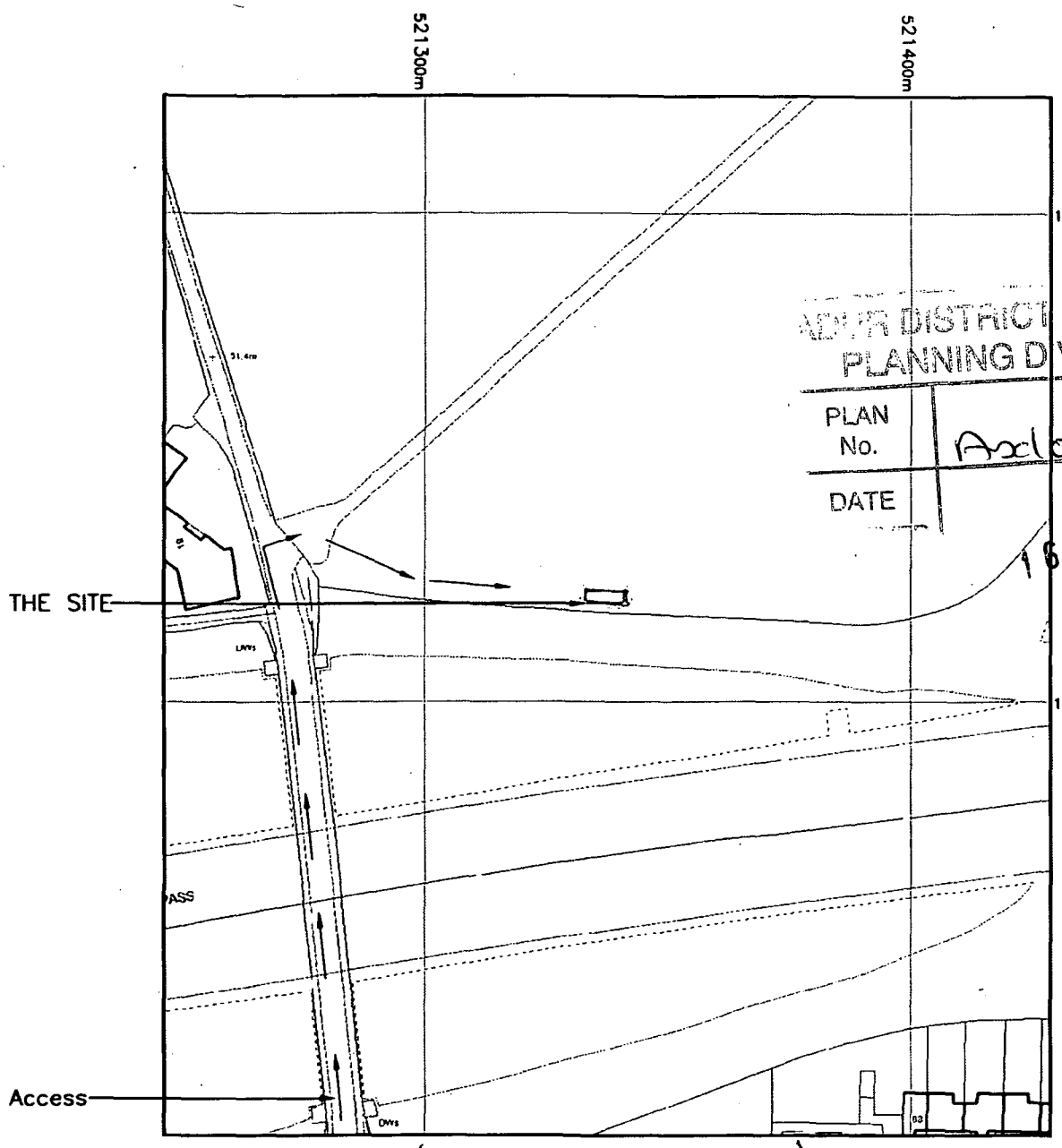
Do Not Scale



ADUR DISTRICT COUNCIL
PLANNING DIVISION
PLAN No. Ax1009109
DATE 16 MAR 2009

(LOCATION PLAN) SITE PLAN

SCALE 1:1250

O.S. REF. 521337, 106622

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MENT DRAWING		REV –	TITLE LOCATION PLANS ERRINGHAM FARM CO LOCATION, ERRINGHAM FARM SHOREHAM BY SEA, WEST SUSSEX, BN43 5FA CELL NO. 55745 , SITE I.D. 1057169
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T-Mobile

3G COVERAGE PLOTS

Date Created: 18 February 2009

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

Purpose of Site

The site is required to provide a high level of 3G 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. 55414 – Coverage from existing and planned sites without 55745 ERRINGHAM FARM CO LO

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 LO 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. 55415 – Coverage from 55745 ERRINGHAM FARM CO LO in isolation

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

Plot ref. 55416 – Coverage from 55745 ERRINGHAM FARM CO LO and surrounding sites

The plot shows the coverage from 55745 ERRINGHAM FARM CO LO 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. 55414.

KEY TO COVERAGE PLOTS

3G stands for third generation mobile services and is also known as UMTS (Universal Mobile Telecommunications System). Analogue Mobile was the first generation of mobile communications (1G), and was soon followed by GSM (Global System for Mobile Communications) or 2G and GPRS (General Packet Radio Service) or 2.5G. UMTS represents an evolution from today's 'second generation', offering a platform for faster data speeds, therefore enabling more efficient services. The T-Mobile 3G network to be made available to customers will allow internet browsing, music, video, and a host of other services, to be delivered on demand to their mobiles.

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 only Outdoor service.	Outdoor level of coverage

Location of Existing and Planned Sites are Indicated by a Circle and 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
55745	106622	521337	ERRINGHAM FARM CO LO	Site being justified in these plots.

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PLAN No. A2100916
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3G COVERAGE

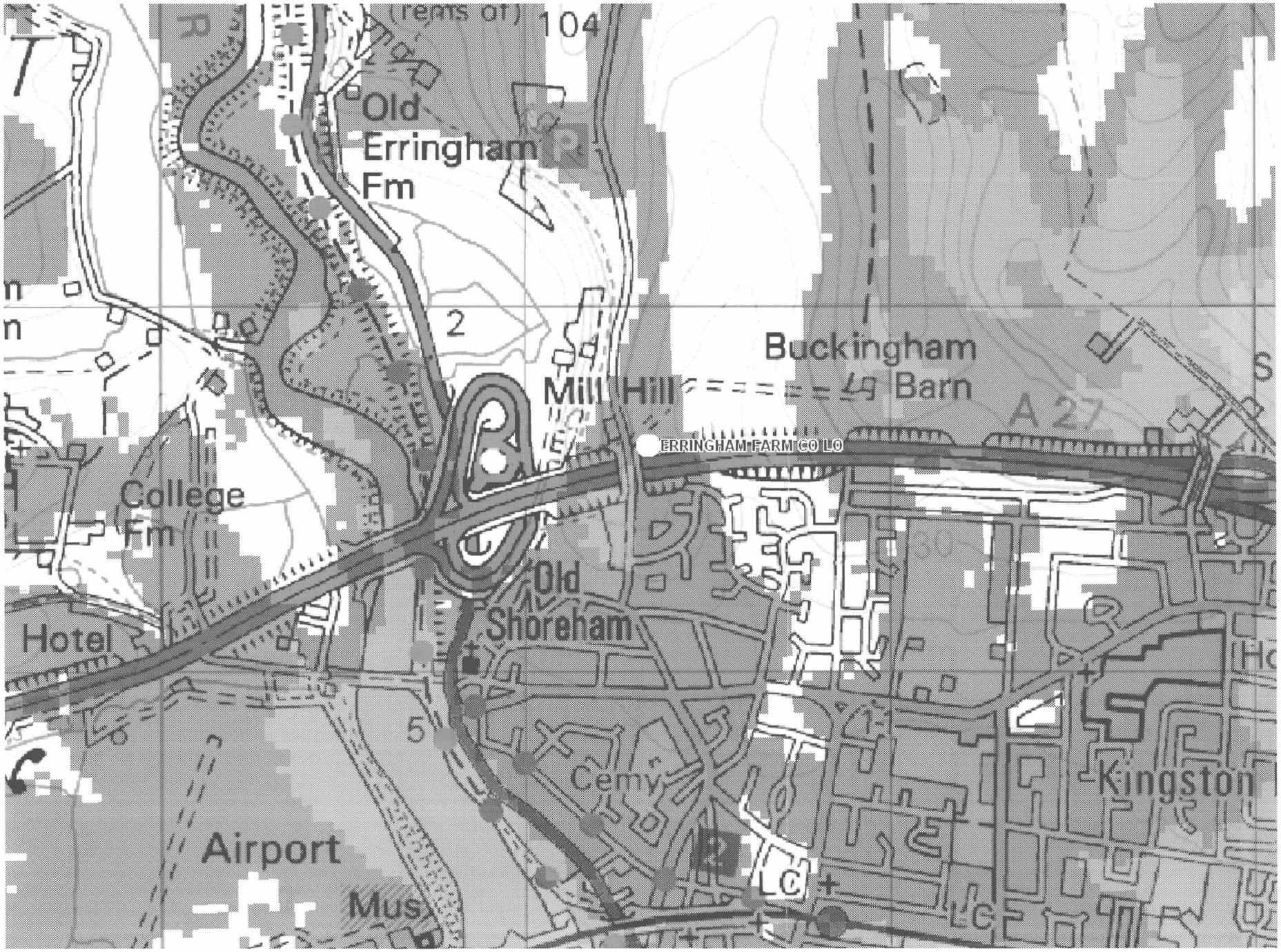
T-Mobile Plot Ref: 55414

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.**
- **Outdoor level of 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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PLAN No. AX1009109
DATE 16 MAR 2009

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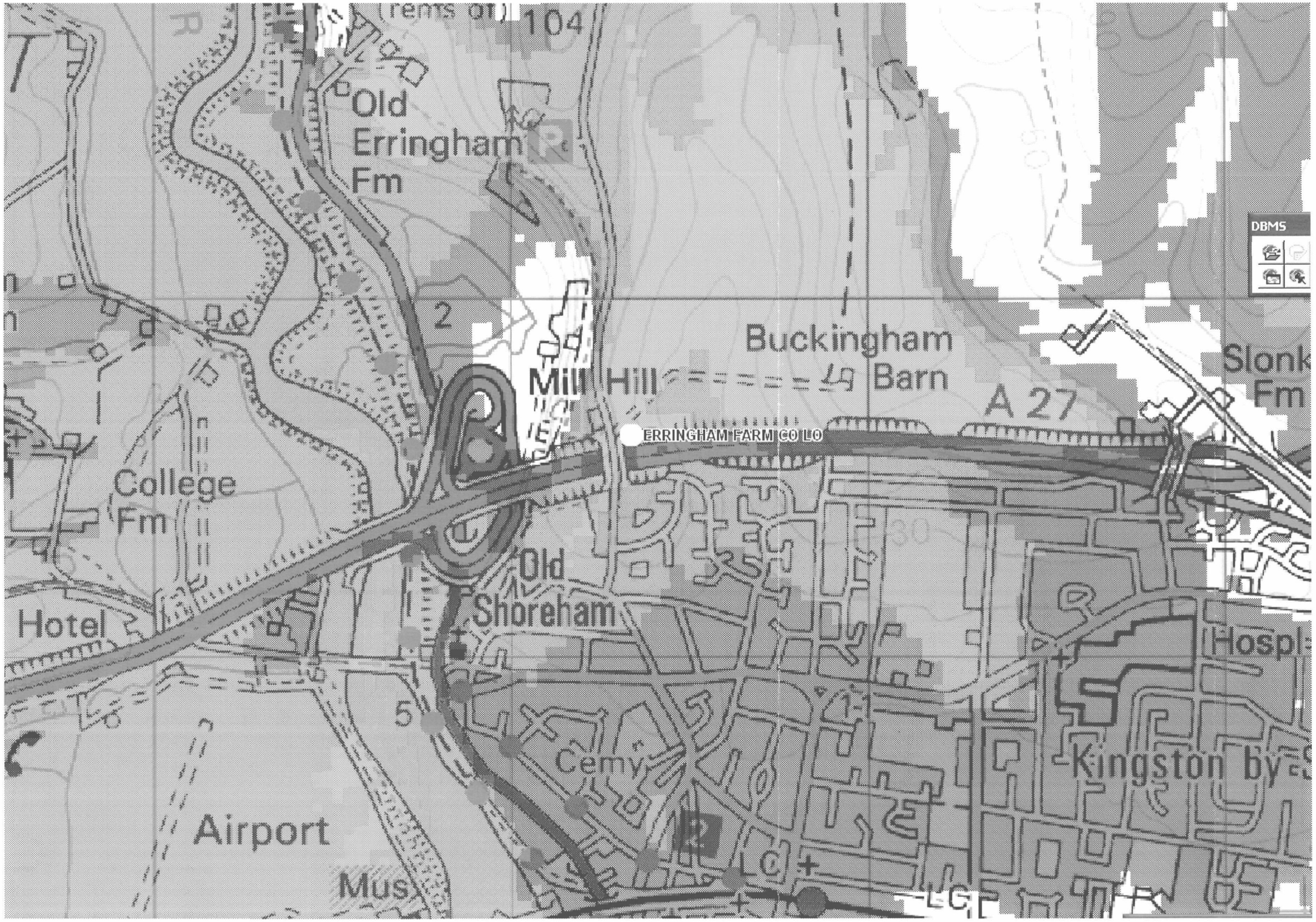

3G COVERAGE

T-Mobile Plot Ref: 55415

Cell 55745

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

LEGEND

- Urban and Commercial level of coverage.
- Suburban and Residential level of coverage.
- Outdoor level of 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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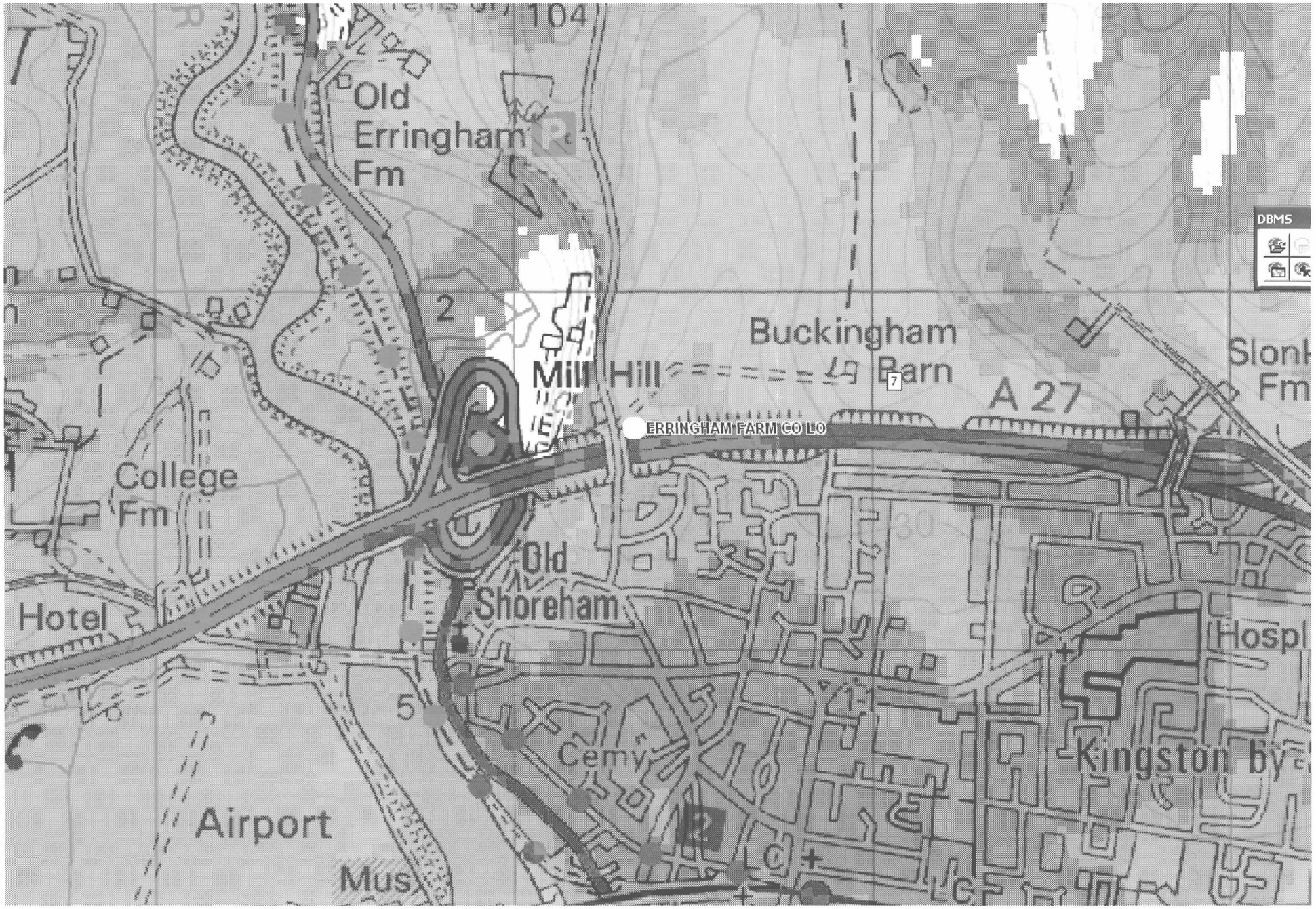

3G COVERAGE

T-Mobile Plot Ref: 55417

Cell 55745

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

LEGEND

- **Urban and Commercial level of coverage.**
- **Suburban and Residential level of coverage.**
- **Outdoor level of 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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