PLANNING DIVISION
DATE RECEIVED 23 MAR 2007

SUPPLEMENTARY INFORMATION	

1. Site details

Site Name	**Overhill DNS**	Site Address	**Overhill, Southwick, BN42 4WP.**
NGR	**542380E, 106324N**		
Site Ref Number	**51543/1222/038**	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	**November 2006**
Name of LPA contact	**Chief Planning Officer**
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	**14 December 2006**	
Was there pre-application contact with the LPA	**yes**	no
Date of pre-application contact with LPA	**9 January 2007**	
Name of LPA contact	**Keith Morgan, Planning Services Manager**	
Outcome **Refer to the supporting statement.**		

[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, and the Hillside Ward Councillors. No Parish Council was identified in this area.**			
Outcome **Please refer to the Supporting Statement.**			

Schools

Location of site in relation to school **There are no schools within close proximity of this development.**
Outline of consultation carried out with schools (if relevant). (include evidence of consultation)
Outcome

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 **The Shoreham Airport Manager, John Haffenden wrote to advise that they have no objections to the proposed installation (Refer to correspondence received from the Airport attached to the application).**		

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

Copy of Developer's Notice enclosed	**Yes**	No
Date served	**28 March 2007**	

3. Proposed Development

The proposed site:
The proposed option is located on the northern side of Overhill, within a triangular shaped section of grass verge that creates part of the entranceway to an adjoining property containing stables and outbuildings.

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 attached to this information sheet.

Type of Structure (e.g. tower, mast, etc): **'Simulated Telegraph Pole' Telecommunications Mast**	
Description **One 8.5 metre high 'Simulated Telegraph Pole' mast complete with three antennas, one radio equipment cabinet and associated development thereto.**	
Overall Height: **8.5 metres**	
Height of existing building (where applicable)	metres
Equipment Housings	
Flexi BTS Length	**1.228**
Flexi BTS Width	**.570**
Flexi BTS Height	**1.330**
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 RAL 7035 - Green**

Reasons for choice of design
A replica 'Telegraph Pole' mast design was chosen so as to integrate the proposal within the surrounding environment and to minimise the impact upon the locale. The mast height was reduced as far as possible after consultation with the Council to remove any dominance effects on the closest adjoining residential property without compromising too significantly on coverage objectives. The proposed height provides an appropriate balance between the existing 6 metre high telegraph poles within the street and the need to clear the building heights and tree heights in this area for coverage reasons.

4. Technical information

ICNIRP Declaration attached	**Yes**	no

Frequency	GSM 1800MHz / 2.1 Ghz
Modulation characteristics[2]	QPSK(3G)
Power output	**62 dbm maximum licensed power**
Height of antenna (m above ground level)	**7.0 metres (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 3G coverage and capacity to my client's network. **With 3G technology in particular, to achieve reasonable data speeds the user needs to be as close to the source (3G antenna) as possible (rather like distance from BT exchange affecting broadband speeds). The further you are, the slower the speed. Without this site a user in this part of Old Shoreham or part of Kingston By Sea may not be able to make a video call or surf the internet at an acceptable speed for example, or may not have an 3G service at all, as 3G cells contract when demand is high.** **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

The position of these sites in relation to the Directed Search Area ('The Cell') is evident on the attached map:

Site[3]	Site Name and address	NGR	Reason for not choosing[4]
RT/GF	St Theresa's Church, Downland Avenue, Southwick	-	Father Brian's secretary spoke with Father Brian and relayed to us that the Church is not supportive of an installation within the Church grounds.
GF	Upper Kingston Lane Recreation Ground, Upper Kingston Lane, Southwick	-	T-Mobile did not consider the recreation ground provided an appropriate setting for the proposed development. Further, the Council has advised that they have adopted an embargo in relation to its own property to prevent any telecom antenna within 50 metre of a dwelling or school.
RT/GF	Quayside Youth Centre, Upper Kingston Lane, Southwick.	-	This building was gutted by fire and is being utilised as a 'tots' group. The state of the building and the sensitive nature of the uses within it to the proposed installation were reasons for discounting this site.
RT	Adur DC Flats, Whitelot Close, Southwick	-	Council has advised that they have adopted an embargo in relation to its own property to prevent any telecom antenna within 50 metre of a dwelling or school. This was confirmed by contacting Paul Carter Johnson at the Council.
RT	Adur DC Land (Flats, Southwick Square, CivicCentre), Overhill, Southwick	-	Council has advised that they have adopted an embargo in relation to its own property to prevent any telecom antenna within 50 metre of a dwelling or school. This was confirmed by contacting Paul Carter Johnson at the Council.
GF	Hill Farm Way DNS, Hill Farm Way, Southwick	-	The site comprises open land sandwiched between two bungalows as you approach the residential boundary with the South Downs AONB. This environment did not provide opportunities for integration of the proposed development.
GF	Cromleigh Way Recreation Ground, Cromleigh Way,	-	T-Mobile did not consider the recreation ground provided an appropriate setting for the proposed development. Further, the

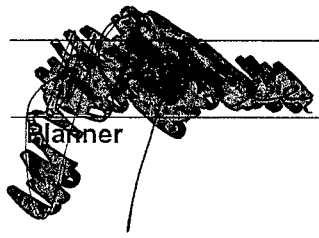
[3] ETS - Existing Telecomm site, ES - Existing Structure, RT - Roof Top, GF - Greenfield
[4] SP - Site Provider, RD - Redevelopment Not Possible, T - Technical Difficulties, P – Planning
O – Other

	Southwick		Council has advised that they have adopted an embargo in relation to its own property to prevent any telecom antenna within 50 metre of a dwelling or school.
GF	Southwick Cemetery, Downsway, Southwick	-	The cemetery was not considered to provide an appropriate setting for the proposed development. Further, the Council has advised that they have adopted an embargo in relation to its own property to prevent any telecom antenna within 50 metre of a dwelling or school.
RT	All Souls Church, Downsway, Southwick	-	The building was considered too low. Larger antenna could compensate however would have resulting impacts on the appearance of the building and the proportion of the installation in relation to the roof top.
RT	Kingston Broadway Parade, Kingston Broadway, Southwick	-	The buildings have pitched roofs which poses a technical difficulty in developing the site.
	Mitsubishi Garage, Kingston Broadway, Southwick	-	The building is considered to be too low. The impact on coverage is compounded by the location of the building on the boundary of the cell search area. Larger antenna may be able to compensate however would have resulting impacts on the appearance of the building and the proportion of the installation in relation to the roof top.
RT	Rowan House	525013, 106410	This option was located outside of the directed search area which would have implications for coverage into the area that T-Mobile are trying to improve coverage. The site was discounted in favour of an option closer to the search area.
RT	85 Mile Oak Road	525048, 106440	The owner was initially favourable towards an installation on the building however the site provider had concerns about a tenant within the building therefore, an option here was not able to be progressed further.

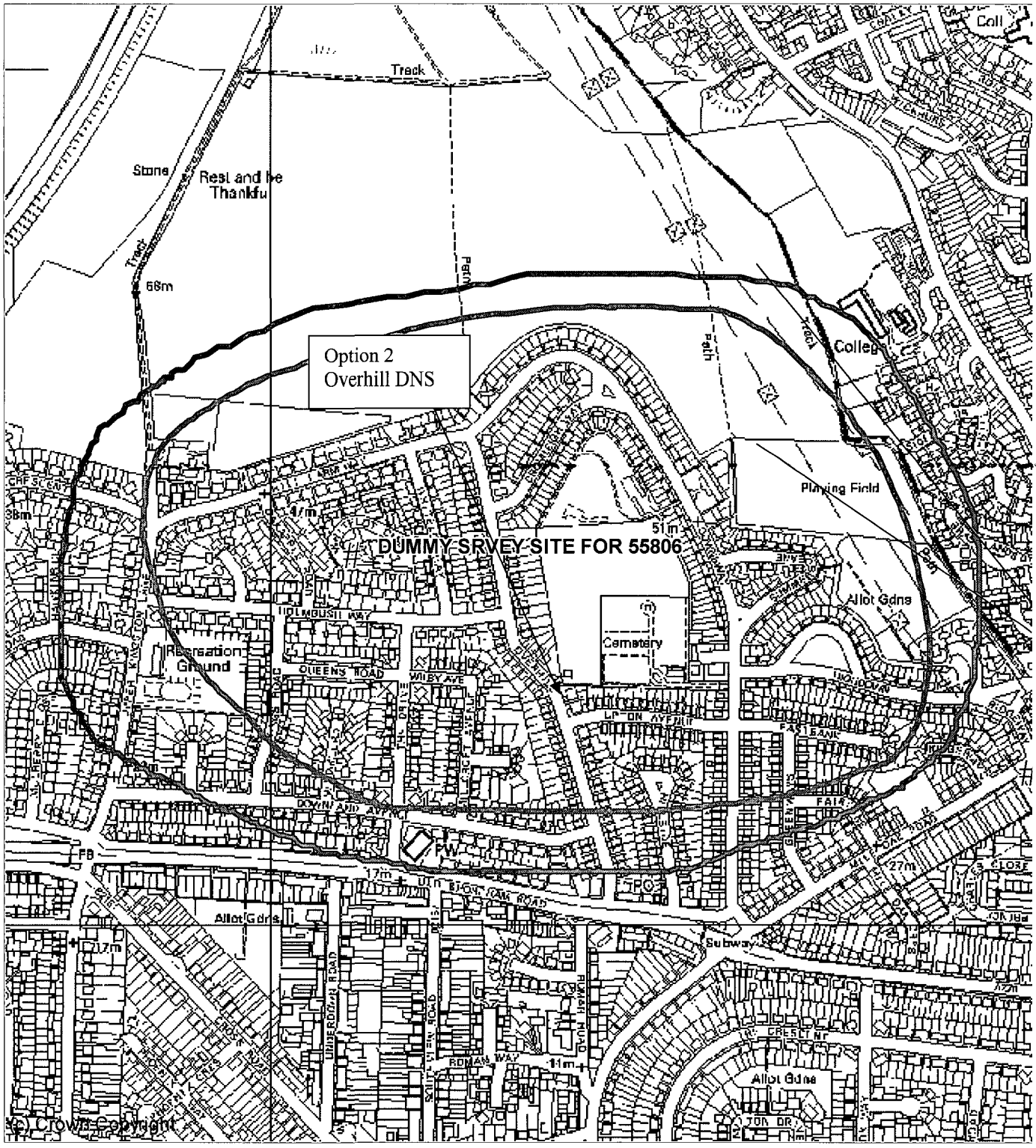
If no alternative site options have been investigated, please explain why

Additional relevant information

Contact Details

Name	Melissa Shipman	Telephone	01932 575988
Operator	T-Mobile (UK) Ltd	Fax no	01932 575901
Address	Heriot House Heriot Road Chertsey Surrey KT16 9DT	Email address	melissa.shipman@tycoelectronics.com
Signed		Date	28 March 2007
Position	Planner	Company (on behalf of the above operator)	Stappard Howes

CELL SURVEY REPORT
Map of Directed Search Area

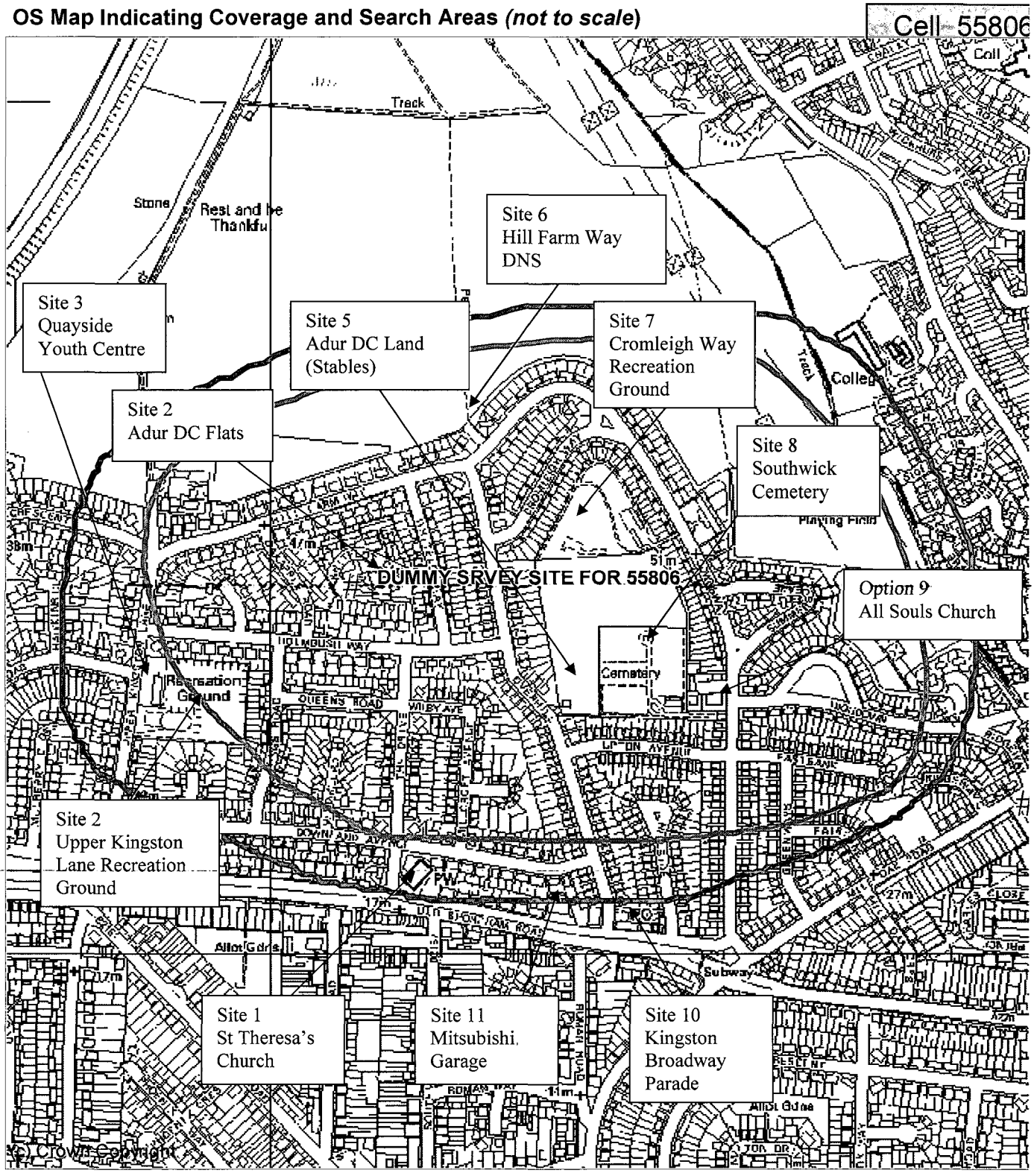


PREFERRED AREA

SEARCH AREA

EXISTING / PLANNED SITE IN

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



(c) Crown Copyright

Hatfield Business Park, Hatfield,
Hertfordshire AL10 9BW
Phone: +44 (0)10707 315000,
Fax: +44 (0)1707289301

Declaration of Conformity with ICNIRP Public Exposure Guidelines

T-Mobile (UK)
Hatfield Business
Park
Hatfield,
Hertfordshire
AL10 9BW

DATE RECEIVED 29 MAR 2007

Certifies that the proposed equipment and installation as detailed on the attached planning / GPDO application at:

(Address:) **OVERHILL DNS / 55806**
OVERHILL, Southwick
West Sussex, , BN42 4WP

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

Name: *James Leonard* Signed: 

Title/Position: *Design Engineer*

Company: *Stappard Howes*
(Appointed Representative of T-Mobile (UK) Ltd)

Date: *March 28, 2007*

COPY

Stappard Howes
building communications™
tyco Electronics Company

West Sussex County Council
Highways Department
County Hall
Chichester
PO19 1RQ

Your Ref:

Our Ref: 55806/1222/038

Date: 28 March 2007

BY RECORDED DELIVERY

Dear Sir/Madam,

RE: T-MOBILE (UK) LTD

PRIOR APPROVAL APPLICATION UNDER PART 24 OF THE TOWN & COUNTRY PLANNING (GENERAL PERMITTED DEVELOPMENT) (AMENDMENT) (ENGLAND) ORDER 2001 FOR PERMITTED DEVELOPMENT PROPOSED AT OVERHILL ROAD, SOUTHWICK, BN42 4WP.

Please find enclosed a Developers notice as required under the Town and Country Planning (General Permitted Development) Amendment (England) Order 2001, for the above development.

This notice requires no action from yourself, unless you wish to comment on the application.

Yours sincerely,

Melissa Shipman
Planner
For and on Behalf of T-Mobile (UK) Ltd
melissa.shipman@tycoelectronics.com

COPY

Town and Country Planning (General Permitted Development) (Amendment) (England) Order 2001

Developer's notice

Proposed Development at: ***Overhill, Southwick, BN42 4WP.***

Grid Ref: ***542380E, 106324N***

I give notice that T-Mobile (UK) Ltd will be applying to: Install a telecommunications radio base station under Part 24 of Schedule 2 of the Town and Country Planning (General Permitted Development) (Amendment) (England) Order 2001 for its determination as to whether the prior approval of the authority will be required to the siting and appearance of:

One 8.5 metre high 'Simulated Telegraph Pole' Mast, three integral antennas, one ancillary radio equipment cabinet and associated development thereto.

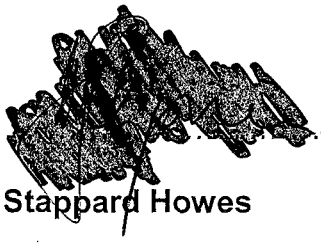
The application and accompanying plans shall be available for public inspection at the offices of the above Authority at:

Planning Services
Adur District Council
Civic Centre
Ham Road
Shoream-by-Sea
BN43 6PR

(during usual office hours).

Any owner* of the land or tenant** wishing to make representations about the siting and appearance of the proposed development may do so in writing to the Authority at the address above. Any representations should be received by:

18 April 2007 (21 days after the date of this notice).

Signed  on behalf of T-Mobile (UK) Ltd

Company **Stappard Howes**

Dated 28 March 2007

*'owner' means any person who is the estate owner in respect of the fee simple, or who is entitled to a tenancy granted or extended for a term of years of which not less than seven years remain unexpired
**'tenant' means the tenant of an agricultural holding any part of which is comprised in the land to which the application relates

Shipman, Melissa 1222/038 Orchill DNS. ##

From: Keith Morgan [keith.morgan@adur.gov.uk]
Sent: 12 January 2007 14:58
To: Shipman, Melissa
Subject: Fwd: Message Delayed: "T-Mobile cell 55806 (Southwick north)"

Melissa,

I omitted to mention that some years ago the Council adopted an embargo in relation to its own property to prevent any telecomm antennae within 50m of a dwelling or school - this is also relevant to this particular case.

Keith Morgan
Planning Services Manager

-----Original Message-----
From: "Keith Morgan" <keith.morgan@adur.gov.uk>
To: melissa.shipman@tycoelectronics.com
Date: Fri, 12 Jan 2007 08:30:26 +0000
Subject: Fwd: Message Delayed: "T-Mobile cell 55806 (Southwick north)"

-----Original Message-----
From: mailmarshal@adur.gov.uk
To: keith.morgan@adur.gov.uk
Cc:
Date: Thu, 11 Jan 2007 04:55:03 +0000
Subject: Message Delayed: "T-Mobile cell 55806 (Southwick north)"

Your message
Subject: "T-Mobile cell 55806 (Southwick north)"
has been delayed for some or all of the intended recipients.

The recipients that were affected are:
melissa.shipman@tycoelectrics.com

Your message was received 12:52:00 Tue, 09 January 2007.
The mail system will keep trying to deliver your message for another
31 hours 56 minutes.

Additional Information
==========

Original Sender:	<keith.morgan@adur.gov.uk>
Sender-MTA:	<140.140.254.151>
Reporting-MTA:	<ADCMarshal.adur.gov.uk>
MessageName:	<B45a38ff00000.000000000001.0001.mml>

****
The information contained in this email may be subject to public disclosure under the Freedom of Information Act 2000.
Unless the information contained in this email is legally exempt from disclosure, we cannot guarantee that we will not provide the whole or part of this email to a third party making a request for information about the subject matter of this email.

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COPY 1222/038 Orchil.

Shoreham Airport

Shoreham-by-Sea
West Sussex BN43 5FF
Tel: 01273 296900
Fax: 01273 296899
E-mail: admin@shorehamairport.co.uk

Stappard Howes
Building Communications
Heriot House
Heriot Road
Chertsey
Surrey
KT16 9DT

RECEIVED
21 DEC 2006

Contact:	Mr J Haffenden
Our Ref:	JH/cl
Your ref:	55806/1222/038
Date:	19 December 2006

Dear Melissa Shipman

Re: Proposed Base Station

With reference to your letter dated 14th December, 06 the contents of which I note.

Shoreham Airport has no objection to this application.

Yours sincerely

pp [redacted]

John Haffenden
Airport Manager

H:\1 JOHN Haffenden\West Sussex County Council\Stappard Howes T. Mobile 19.12.06.doc

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Stappard Howes
building communications™

A tyco/ Electronics Company

Head of Planning
Planning Services
Adur District Council
Civic Centre
Ham Road
Shoream-by-Sea
BN43 6PR

Your Ref:

Our Ref: 55806/1222/038

Date: 14 December 2006

BY POST

Dear Sir/Madam,

T-MOBILE CELL NO 55806

PRE-APPLICATION CONSULTATION WITH LOCAL PLANNING AUTHORITY REGARDING A PROPOSED BASE STATION TO PROVIDE COMMUNICATIONS TO THE SOUTHWICK NORTH

We write on behalf of our client T-Mobile, who is in the process of attempting to secure a suitable site for a mobile radio base station to provide coverage to **the Southwick North Area**. The purpose of this letter is to invite the local planning authority to enter into Pre-Application Discussions with regard to our selected option prior to submission of a formal application.

We have reviewed our records of other operator's sites and have taken account of this. National and development plan policy has been also been considered with reference being made to policy specific to telecommunications.

The objective of the telecommunications installation is to provide 3G communications to this area.

The proposed site details are:

Site Name: Overhill DNS
Site Address: Overhill, Southwick, BN42 4WP
Type of Installation: One 12 metre high Phase 3 mast, ancillary equipment cabinets and associated development thereto.
Justification behind Choice: There are no suitable existing buildings or structures on which T-Mobile can locate their apparatus in this area. The site is located on a larger area of highway land within a residential area, although no residential buildings are located directly east of the site.
Traffic Light Model Rating: Red

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

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Discounted Sites

A number of other sites were considered alongside the proposed site but were discounted for varying reasons. These are outlined below (please note that these sites are identified on the attached OS Maps):

Rowan House (NGR 525013, 106410) – This site was considered to be too far out of the search area to provide optimum coverage.
85 Mile Oak Road (NGR 525048, 106440) – the site provider was not favourable to an installation because of tenant issues.
St Theresa's Church, Downland Avenue – The Church were not favourable to an installation on their property.
Upper Kingston Lane Recreation, Ground, Upper Kingston Lane, Southwick –
Quayside Youth Centre, Upper Kingston Lane, Southwick – The building recently gutted by fire was not considered suitable for the proposed use.
Adur District Council Flats, Whitelot Close, Southwick – The Council has confirmed that they do not support telecommunications apparatus on Council owned facilities.
Adur District Council land, Overhill, Southwick – The Council has confirmed that they do not support telecommunications apparatus on Council owned facilities.
Hill Farm Way DNS, Hill Farm Way, Southwick – Planning policy suggests that a location between two residential bungalows would not be supported.
Cromleigh Way Recreation, Ground Cromleigh Way, Southwick – A suitable site within the grounds could not be found.
Southwick Cemetery, Downsway, Southwick – A suitable site within the cemetery could not be found.
All Souls Church, Downsway, Southwick – The building was considered too low to provide optimum coverage.
Kingston Broadway Parade, Kingston Broadway, Southwick – The roof designs on these buildings were not suitable for the apparatus required.
Mitsubishi Garage, Kingston Broadway, Southwick – this site was discounted for two reasons, the site was right on the boundary of the cell search area and the building was too low to provide adequate.

Please find enclosed a drawing of the proposed development at the preferred site location and a photograph of the area in which the preferred siting of the installation is proposed.

We would welcome your comments regarding the suitability of the preferred site and the discounted options outlined above. If any of the sites have any relevant planning history or if there are any unimplemented extant permissions in the area, we would appreciate if you could advise us accordingly. Also, if there are any further sites that you would like us to investigate, please let us know. We would also appreciate it if you would be willing to identify any areas where there may have been high levels of concern with local residents relating to developments of this nature.

T-Mobile, has agreed to use the Traffic Light Rating Model to ascertain the level of consultation required for telecommunications proposals. Having assessed the given criteria, we have attached a RED rating to the proposed option. In accordance with this rating we have developed a consultation strategy outlining who we propose to consult. We have written to the Hillside ward councillors and given the site is located within 1 kilometre of the Brighton, Hove and Worthing Municipal Airport, the Airport Manager has been contacted for comment.

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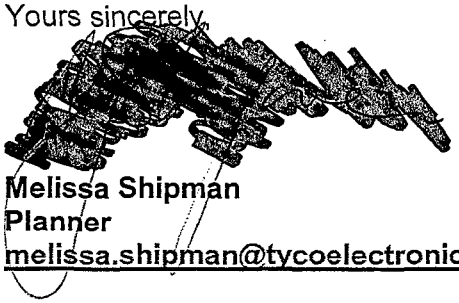
We look forward to receiving your comments on the sites identified, the proposed design solution, and views on consultation in this locality. We would like to extend an invitation to have a meeting to discuss the proposal, possibly on site so that the proposed options can be viewed within the context of the locale. A tour of the discounted options may also be worthwhile. It would be appreciated if you could either forward your comments to me or arrange a pre-application meeting within 10 working days so that our designers can make any amendments where necessary.

In the meantime, should you any queries or require additional information, please do not hesitate to contact me on 01932 575 988.

Yours sincerely,



Melissa Shipman
Planner
melissa.shipman@tycoelectronics.com

Enclosures: Detailed drawings of the proposed development
A photograph of the proposed site.
Draft Consultation Plan
Traffic Light Rating
A T-Mobile brochure

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John Haffenden
Airport Manager
Shoream (Brighton City) Airport
Shoream by Sea
West Sussex
BN43 5FF

Your Ref:

Our Ref: 55806/1222/038

Date: 14 December 2006

BY POST

Dear John

T-Mobile (UK) Ltd cell ID 55806
PRE-APPLICATION CONSULTATION WITH LOCAL AIRPORT AUTHORITY REGARDING PROPOSED BASE STATION TO PROVIDE COMMUNICATIONS TO THE SOUTHWICK NORTH AREA

We write on behalf of our client T-Mobile (UK) Ltd, who is in the process of attempting to secure the optimum site for a mobile radio base station to provide coverage to **the Southwick North Area**. Although the proposed structure is not of significant height (12 metres) and is well distanced from the Airport boundary (approximately 2500-3000 metres), it involves a new structure in the area surrounding the Airport, therefore, the purpose of this letter is to invite your comments on our proposal which involves a new tall structure in the area surrounding the Brighton, Hove and Worthing Municipal Airport.

For clarification, the objective of the telecommunications installation is to provide communications in order to meet a 3G coverage requirement.

The proposed site details are:

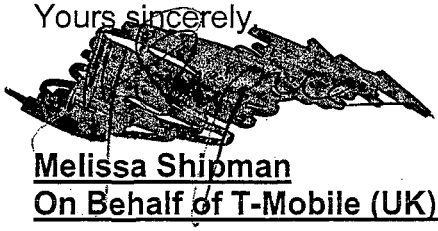
Site Name: Overhill DNS
Site Address: Overhill, Southwick, BN42 4WP
Type of Installation: One 12 metre high Phase 3 mast, ancillary equipment cabinets and associated development thereto.
Justification behind Choice: There are no suitable existing buildings or structures on which T-Mobile can locate their apparatus in this area. The site is located on a larger area of highway land within a residential area, although no residential buildings are located directly east of the site.
Traffic Light Model Rating: Red

Please find enclosed a copy of the proposed drawings for this site. We look forward to receiving your comments on the site identified. We intend to submit

COPY

the application to the local planning authority after a minimum of 14 days from the date of this letter. Should you not be able to comment within the timescale, you will have an opportunity to formally comment on the proposed scheme once an application has been submitted to Adur District Council.

Yours sincerely,



Melissa Shipman
On Behalf of T-Mobile (UK) Ltd

Enclosures: Detailed drawings

COPY

Stappard Howes
building communications™
A tyco/ Electronics Company

Councillor Victoria Parkin
92 Southwick Street
Southwick
West Sussex
BN42 4TJ

Your Ref:

Our Ref: 55806/1222/038

Date: 14 December 2006

BY POST

Dear Councillor,

T-MOBILE CELL NO 51543
PRE-APPLICATION CONSULTATION WITH WARD COUNCILLORS REGARDING A PROPOSED BASE STATION TO PROVIDE COMMUNICATIONS TO THE SOUTHWICK NORTH AREA

We write on behalf of our client T-Mobile (UK) Ltd, who is in the process of attempting to secure the optimum site for a mobile radio base station to provide coverage to **the Southwick North Area**. The purpose of this letter is to invite your comments on our proposals in your capacity as the local authority elected member for this particular ward, being **Hillside Ward**.

We have reviewed our records of other operator's sites and have taken account of this. National and development plan policy has been also been considered with reference not only being made to policy specific to telecommunications.

The objective of the telecommunications installation is to provide 3G communications to this area. The proposed site details are:

Site Name: Overhill DNS
Site Address: Overhill, Southwick, BN42 4WP
Type of Installation: One 12 metre high Phase 3 mast, ancillary equipment cabinets and associated development thereto.
Justification behind Choice: There are no suitable existing buildings or structures on which T-Mobile can locate their apparatus in this area. The site is located on a larger area of highway land within a residential area, although no residential buildings are located directly east of the site.
Traffic Light Model Rating: Red

COPY

Discounted Sites

A number of other sites were considered alongside the proposed site but were discounted for varying reasons. These are outlined below:

Rowan House (NGR 525013, 106410) – This site was considered to be too far out of the search area to provide optimum coverage.
85 Mile Oak Road (NGR 525048, 106440) – the site provider was not favourable to an installation because of tenant issues.
St Theresa's Church, Downland Avenue – The Church were not favourable to an installation on their property.
Upper Kingston Lane Recreation, Ground, Upper Kingston Lane, Southwick –
Quayside Youth Centre, Upper Kingston Lane, Southwick – The building recently gutted by fire was not considered suitable for the proposed use.
Adur District Council Flats, Whitelot Close, Southwick – The Council has confirmed that they do not support telecommunications apparatus on Council owned facilities.
Adur District Council land, Overhill, Southwick – The Council has confirmed that they do not support telecommunications apparatus on Council owned facilities.
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Cromleigh Way Recreation, Ground Cromleigh Way, Southwick – A suitable site within the grounds could not be found.
Southwick Cemetery, Downsway, Southwick – A suitable site within the cemetery could not be found.
All Souls Church, Downsway, Southwick – The building was considered too low to provide optimum coverage.
Kingston Broadway Parade, Kingston Broadway, Southwick – The roof designs on these buildings were not suitable for the apparatus required.
Mitsubishi Garage, Kingston Broadway, Southwick – this site was discounted for two reasons, the site was right on the boundary of the cell search area and the building was too low to provide adequate.

Please find enclosed a drawing of the proposed development at the preferred site location and a photograph of the area in which an installation is proposed.

Should you require any additional information in respect of the above proposals or feel that a meeting would be helpful then please do not hesitate to contact me in order that we may make the necessary arrangements. This will give our client the best opportunity to consider comments and incorporate them as best we can in our site selection and design process.

Independent advice regarding the proposed type of apparatus can be found at:

Organisations
UK Department of Health – www.doh.gov.uk/mobilephones

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International Commission on Non-Ionizing Radiation Protection – www.icnirp.de
National Radiological Protection Board – www.nrpb.org
Mobile Operators Association (MOA) – www.mobilemastinfo.com

Documents
Independent Advisory Group on Non-Ionising Radiation (AGNIR) 2003 report: Health Effects from Radiofrequency Electromagnetic Fields – http://www.nrpb.org/publications/documentsof nrpb/abstracts/absd14-2.htm
Stewart Report – 2000 – www.iegmp.org.uk
World Health Organisation Report – www.who.ch/peh-emf

I have also enclosed a **T-Mobile brochure** which provides answers to a number of frequently asked questions regarding these types of facilities. Should you require additional brochures for circulation to other members or residents, please do not hesitate to contact me.

We would also value the opportunity to widen the consultation process and if you can advise us of any local stakeholders or groups that might like to make comments on our proposals, we will forward details of our proposals to them.

We look forward to receiving your comments on the sites identified. We intend to submit the application to the local planning authority in early January, therefore your earliest response would be greatly appreciated.

Yours sincerely,



Melissa Shipman
On Behalf of T-Mobile (UK) Ltd

Enclosures: Detailed drawings of the proposed development
A photograph of the site location.
Draft Consultation Plan
Traffic Light Rating
A T-Mobile brochure

COPY

Stappard Howes
building communications™

A tyco/ Electronics Company

Angus Dunn
C/o – Civic Centre
Ham Road
Shoreham-by-Sea
West Sussex
BN43 6PR

Your Ref:

Our Ref: 55806/1222/038

Date: 14 December 2006

BY POST

Dear Councillor,

T-MOBILE CELL NO 51543
PRE-APPLICATION CONSULTATION WITH WARD COUNCILLORS REGARDING A PROPOSED BASE STATION TO PROVIDE COMMUNICATIONS TO THE SOUTHWICK NORTH AREA

We write on behalf of our client T-Mobile (UK) Ltd, who is in the process of attempting to secure the optimum site for a mobile radio base station to provide coverage to **the Southwick North Area.** The purpose of this letter is to invite your comments on our proposals in your capacity as the local authority elected member for this particular ward, being **Hillside Ward.**

We have reviewed our records of other operator's sites and have taken account of this. National and development plan policy has been also been considered with reference not only being made to policy specific to telecommunications.

The objective of the telecommunications installation is to provide 3G communications to this area. The proposed site details are:

Site Name: Overhill DNS
Site Address: Overhill, Southwick, BN42 4WP
Type of Installation: One 12 metre high Phase 3 mast, ancillary equipment cabinets and associated development thereto.
Justification behind Choice: There are no suitable existing buildings or structures on which T-Mobile can locate their apparatus in this area. The site is located on a larger area of highway land within a residential area, although no residential buildings are located directly east of the site.
Traffic Light Model Rating: Red

COPY

Discounted Sites

A number of other sites were considered alongside the proposed site but were discounted for varying reasons. These are outlined below:

Rowan House (NGR 525013, 106410) – This site was considered to be too far out of the search area to provide optimum coverage.
85 Mile Oak Road (NGR 525048, 106440) – the site provider was not favourable to an installation because of tenant issues.
St Theresa's Church, Downland Avenue – The Church were not favourable to an installation on their property.
Upper Kingston Lane Recreation, Ground, Upper Kingston Lane, Southwick –
Quayside Youth Centre, Upper Kingston Lane, Southwick – The building recently gutted by fire was not considered suitable for the proposed use.
Adur District Council Flats, Whitelot Close, Southwick – The Council has confirmed that they do not support telecommunications apparatus on Council owned facilities.
Adur District Council land, Overhill, Southwick – The Council has confirmed that they do not support telecommunications apparatus on Council owned facilities.
Hill Farm Way DNS, Hill Farm Way, Southwick – Planning policy suggests that a location between two residential bungalows would not be supported.
Cromleigh Way Recreation, Ground Cromleigh Way, Southwick – A suitable site within the grounds could not be found.
Southwick Cemetery, Downsway, Southwick – A suitable site within the cemetery could not be found.
All Souls Church, Downsway, Southwick – The building was considered too low to provide optimum coverage.
Kingston Broadway Parade, Kingston Broadway, Southwick – The roof designs on these buildings were not suitable for the apparatus required.
Mitsubishi Garage, Kingston Broadway, Southwick – this site was discounted for two reasons, the site was right on the boundary of the cell search area and the building was too low to provide adequate.

Please find enclosed a drawing of the proposed development at the preferred site location and a photograph of the area in which an installation is proposed.

Should you require any additional information in respect of the above proposals or feel that a meeting would be helpful then please do not hesitate to contact me in order that we may make the necessary arrangements. This will give our client the best opportunity to consider comments and incorporate them as best we can in our site selection and design process.

Independent advice regarding the proposed type of apparatus can be found at:

Organisations
UK Department of Health – www.doh.gov.uk/mobilephones

COPY

International Commission on Non-Ionizing Radiation Protection – www.icnirp.de
National Radiological Protection Board – www.nrpb.org
Mobile Operators Association (MOA) – www.mobilemastinfo.com

Documents
Independent Advisory Group on Non-Ionising Radiation (AGNIR) 2003 report: Health Effects from Radiofrequency Electromagnetic Fields – http://www.nrpb.org/publications/documentsof nrpb/abstracts/absd14-2.htm
Stewart Report – 2000 – www.iegmp.org.uk
World Health Organisation Report – www.who.ch/peh-emf

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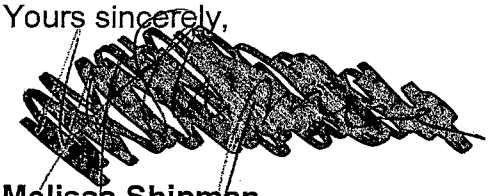
We look forward to receiving your comments on the sites identified. We intend to submit the application to the local planning authority in early January, therefore your earliest response would be greatly appreciated.

Yours sincerely,



Melissa Shipman
On Behalf of T-Mobile (UK) Ltd

Enclosures: Detailed drawings of the proposed development
A photograph of the site location.
Draft Consultation Plan
Traffic Light Rating
A T-Mobile brochure

PLANNING DIVISION
NO A/01/37107
DATE 23 MAR 2007

DESIGN & ACCESS STATEMENT FOR THE PROPOSED T-MOBILE (UK) LTD RADIO BASE STATION AT OVERHILL, SOUTHWICK, BN42 4WP

The Design Process
The proposed cabinet will utilise approximately 0.57 metre (width) x 1.228metre (length) of the grass verge Overhill. The proposed mast will only utilise an area of approximately 100mm x 100mm. The mast has been sited so that it is out of the line of sight of the closest adjoining dwelling. The proposed mast has also been distanced from the equipment cabinets 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 pole. If the distance is decreased, this could lead to a break in the cables. If increased too far, the operational efficiency of the site will be reduced.

Use
The intended site location is currently highways land. It is a gently sloping grass adjoins the entrance way to fields separating Southwick Cemetery from Overhill. The verge is relatively open except for a large redundant BT equipment cabinet which occupies the eastern corner of the verge.
The site location is displayed in Dwg No. 1222/038/001.

Layout
The proposed Flexi BTS equipment cabinet will be set-back approximately 5.0 metres from the pedestrian footpath along Overhill. The mast is to be sited approximately 6.5 metres back from the footpath.
The site layout is shown in detail on Dwg No's 1222/038/002 & /004.

Scale
The proposed imitation telegraph pole mast will stand at a height of 8.5 metres. The proposed radio equipment cabinet will be 1.228mm x 0.570mm x 1.330mm high.
The floor plan and elevation details are shown on Drawing No's 1222/002 & /003.

Appearance
The proposed equipment cabinet will have a plastic coated metal finish, coloured Grey RAL 7035. The proposed imitation telegraph pole will be made of Glass Reinforced Plastic and will have a simulated matt brown epoxy resin finish)Refer to the attached photographs illustrating the appearance of existing telegraph pole masts within the streetscape.
(The equipment schedule, including details of external finishes can be found on Dwg No.1222/038/002).

Landscaping
It is not intended to install any hard or soft landscaping at this site. The proposal will be sited within the public grassed verge that lies beside an access route to the stables and outbuildings on the eastern adjoining site.

Access
An access route to the existing stables and outbuildings on the eastern adjoining site is located several metres to the east of the site. Vehicles will access the site via this access, with the existing grass verge being utilised for parking. 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 cherry picker in agreement with West Sussex County Council's highway's department. This is required infrequently (approximately once a year) and access will be controlled under the provisions of the New Roads and Streetworks Act. The cabinet and mast are well removed from Overhill, the Overhill footpaths and the pedestrian footpath into the cemetery. Therefore, the general public will be unaffected in terms of access to the site.
The Moveable Elevated Work Platform (MEWP) location is shown on Dwg No. 1222/038/002.

Examples of Existing Telegraph Poles within Streetscape Environments

Photo 1 - This photo provides an indication of the appearance of the installation at the proposed site, although in a slightly different setting. The main differences are that the proposed mast is shorter than that in the photo, the proposed development has just one cabinet finished in Grey RAL7035 and the proposed development is in the immediate foreground of several trees with no walkway alongside it like in the photo below.



Photo 2 – This photo provides another example of a Telegraph Pole mast and associated cabinets installed in the foreground of existing vegetation. This photograph provides an indication of the softening effect that existing vegetation can have where there is a location available near to it.



SUPPORTING STATEMENT

FOR THE PROPOSED T-MOBILE (UK) LTD
DEVELOPMENT

ADUR DISTRICT COUNCIL
PLANNING DIVISION
PLAN NO AOC0187107
DATE RECEIVED 29 MAR 2007

AT

Overhill DNS

Overhill
Southwick
West Sussex
BN42 4WP

28 March 2007

Prepared By

STAPPARD HOWES

Heriot House
Heriot Road
Chertsey
Surrey
KT16 9DT

Agents REF: 1222/038
T-MOBILE REF: 55806

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 planning policy framework and will highlight the merits of this application.

The Proposal

This proposal falls within the provisions of the permitted development rights granted to electronic communication network operators under Part 24 of the Town & Country Planning (General Permitted Development) (Amendment) (England) Order 2001. The Authority are reminded under condition A(3) of the order they have 56 days to consider whether prior approval for the siting and appearance of the development is required and whether prior approval is granted. There is no provision within the order to extend this period.

The proposal comprises of one 8.5 metre high 'Simulated Telegraph Pole' telecommunications mast, three integral antennas, one ancillary radio equipment cabinet and associated development thereto.

The proposed Telegraph Pole is located on a grass verge adjacent to a residential property and close to the entrance to stables and to the Southwick Cemetery.

Minor excavation is required to establish a suitable building platform for the pole and the cabinets, however, any nuisance and exposed material is limited to the duration of the construction period which is normally 3 weeks.

Once built and in service the proposed development will require servicing on a semi periodic basis by trained T-Mobile operatives. Maintenance vehicles will access the site via the grass verge between the site and the entrance way to the cemetery. Maintenance of the equipment cabinet will be carried out approximately once a month, also by trained operatives. The antennas will be accessed via a cherry picker in agreement with West Sussex County Council's highway's department. This is required infrequently (approximately once a year) and access will be controlled under the provisions of the New Roads and Streetworks Act. 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 equipment cabinet is well

removed from any pedestrian walkways and access to the antennas can be achieved without entering the line of traffic.

Directed Search Area

A copy of the directed search area (Cell) is attached to this application. The cell is located within a predominantly residential area; although, the northern edges of the cell encroach into farmland designated as an Area of Outstanding Natural Beauty. The eastern edge of the cell contains a number of open space areas, college playing fields and allotment gardens. The centre of the cell is occupied by a cemetery with open land surrounding. A recreation ground is located on the western edge of the cell. The remaining areas are a dense network of streets containing predominantly single storey residential dwellings providing limited space for the introduction of proposed telecommunications development and the integration of a mast of 8.5 metres in height.

The proposed site is located in one of the most central areas of the cell physically and visually separated from the Southwick cemetery and other sensitive uses, such as schools and recreational areas. Although located close to the boundary of one residential dwelling, the siting and design of the mast ensures that there are no adverse dominance effects or impact on the outlook from this residential dwelling.

Site and Surroundings

The Site

The site comprises an open grass verge area at the entrance way to Council owned property. A mix of deciduous and evergreen trees is growing around the entrance to the cemetery of varying heights and up to 7.8 metres high. An old disused BT equipment cabinet is located in one corner of the grass verge abutting the neighbouring property fence to the north (Refer to Photo 1 below).

The boundary fence is approximately 1.65 metres high. Overhill is moderately sloped in a north to south direction. At the location of the site, the road bends and turns more steeply towards the South.

Overhill adjoins the western boundary of the site. To the east of the site are some old stables and outbuildings and further east Southwick Cemetery. The closest dwelling to the south of the site is separated by a 5.0 metre wide (tapering out to

7.0 metres) entrance way leading to the stables and outbuildings and the cemetery (Refer to Photo 1 below):



Photo 1: Existing BT cabinet and existing outbuildings. The Southwick cemetery is visible in the background of this photograph and is separated from the site by an open field and the outbuildings.

The main entrance to Southwick Cemetery is located off Downsway, however, an alternative pedestrian entrance exists from Overhill and passes by the proposed development (approximately 13 metres east of the site).

Several 4.5 metre high lamp posts and 6 metre high telegraph pole masts are located within the grass verges along Overhill. Single storey dwellings with dormer window protrusions through rooftops are located on both sides of Overhill to the north and south of the site.

Discounted Sites

The following sites were investigated and discounted in favour of the proposed site for the following reasons:

Rowan House (NGR 525013, 106410) – This site was considered to be too far out of the search area to provide optimum coverage.
85 Mile Oak Road (NGR 525048, 106440) – The site provider was not favourable to an installation because of likely tenant issues.
St Theresa's Church, Downland Avenue – The Church were contacted on 25 July 2006 by phone and Father Brian, a Church representative, indicated that the Church was not favourable to an installation on their property.
Upper Kingston Lane Recreation, Ground, Upper Kingston Lane, Southwick – An appropriate location for the proposed development could not be found. The building continues to be used for child recreational activities which are sensitive activities toward the proposed type of development.
Quayside Youth Centre, Upper Kingston Lane, Southwick – The building was recently gutted by fire and was not considered suitable for the proposed use.
Adur District Council Flats, Whitelot Close, Southwick – The Council was contacted on 26 July 2007 with regard to a potential site on this land, however, Paul Carter Johnson (a landlord for Adur DC) confirmed that Council does not support telecommunications apparatus on Council owned facilities.
Adur District Council land, Overhill, Southwick – The Council was contacted on 26 July 2007 with regard to a potential site on this land, however, Paul Carter Johnson (a landlord for Adur DC) confirmed that Council does not support telecommunications apparatus on Council owned facilities.
Hill Farm Way DNS, Hill Farm Way, Southwick – A site between two residential bungalows was not considered to be in keeping with local planning policy advice therefore this site was discounted in favour of the proposed site.
Cromleigh Way Recreation, Ground Cromleigh Way, Southwick – A suitable site within the grounds could not be found. The Council has also confirmed by email (refer attached) that they have developed an embargo in relation to their own property to prevent any telecom antennas within 50 metres of a dwelling or school.
Southwick Cemetery, Downsway, Southwick – A suitable site within the cemetery could not be found. As previously mentioned, Council has confirmed by email (refer attached) that they have developed an embargo in relation to their own property to prevent any telecom antennas within 50 metres of a dwelling or school.
All Souls Church, Downsway, Southwick – The building was considered too low to provide optimum coverage. Raising the height of any antenna to compensate for reduced coverage was not considered appropriate and would impact on the amenity of the church building.

Kingston Broadway Parade, Kingston Broadway, Southwick – The roof designs on these buildings were not suitable for the apparatus required.
Mitsubishi Garage, Kingston Broadway, Southwick – This site was discounted for two reasons, the site was right on the boundary of the cell search area and the building was too low to provide adequate coverage. As with the All Souls Church site referred to above, raising the height of any antenna to compensate for reduced coverage was not considered appropriate and would impact on the amenity of the building and surrounding area.

As stated previously, the remaining areas of the cell are made up of local streets with predominantly dense single storey housing and narrow grass verges. The proposed site provided the best context for development of the nature proposed, avoiding a location within the AONB on the northern edge of the cell.

The site location as contained within this Prior Approval application was chosen so as to 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.

Visual Impact

It is considered that the site is well distanced from schools in the area, the nearby cemetery and from residential dwellings. While it is acknowledged that the property adjoins the boundary fence of one residential property, there are mitigating factors that ensure that there is no impact on the residential amenity and outlooks currently enjoyed by these residents. The proposed mast has the appearance of a Telegraph pole imitating the design of other Telegraph poles within Overhill. The bottom part of the pole is screened by the fence and the upper portion of the pole by the existing Conifer tree (approximately 5.5 metres high) growing against the boundary fence. The conifer tree is evergreen ensuring that only the top of the pole will be visible in views towards the south east (all year round) and its slim line design ensures that there are no dominance effects. It should also be acknowledged that the existing trees within close proximity of the mast will mature over time, providing complete screening in those views. Should the trees within close proximity of the mast be removed at any stage in the future, the telegraph style design of the mast replicates the existing telegraph poles within this street, ensuring that it will remain well integrated.

The site has the advantage of an area off the street to service the mast, a setting within an area that has tall trees, existing utility cabinets (BT) and appropriate separation from residential dwellings, schools and the nearby cemetery.

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 within a predominantly residential environment whilst providing the required levels of radio coverage.

Pre-Application Consultation

You will be aware from previous correspondence that my client, T-Mobile operates 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 / notification should be acceptable to your Authority.

In light of this, pre-application consultation was carried out with the local ward councillors in this area and the Council Planning Department. All consultative material detailed a 12 metre high mast which would clear all clutter (trees) in the area and provide optimum coverage for T-Mobile. However, after further discussions with T-Mobile, the height of the mast has been reduced to 8.5 metres to remove any potential dominance effects on the adjoining residential property without significantly compromising coverage objectives. The proposed mast height is now more in keeping with the lower height of telegraph poles on Overhill (6.0 metres). The closest telegraph pole is approximately 20 metres north of the site. The lower topography of the site and increased setback off Overhill in relation to that uphill allows for additional height of 2.5 metres without impacting on the streetscape.

No responses were received from the local ward councillors however, the Council Planning Services Manager, Keith Morgan responded via email (refer copy attached) in early January 2007 highlighting Council's embargo in relation to its own property to prevent any telecom antennae within 50 metres of a dwelling or school. The Council Officer indicated in his letter that this embargo is relevant to the proposed development. It is recognised that the Council own the Cemetery land that is located approximately 50 metres east of the site, however, the proposed site is located on County Council highway's land and is considered to be

both physically and visually separated from the cemetery land to the extent that there is no impact on the amenity of this land.

As the proposal involves a new structure of a height that exceeds normal dwelling height in an area surrounding the Airport, the Shoream (Brighton City) Airport Manager was consulted. Shoream Airport responded on 19 December 2006 confirming that they had no objection to the proposed development.

No other consultation was undertaken.

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.

A 3G site is required in the proposed location owing to the nature of the technology. To achieve reasonable data speeds the user needs to be as close to the source (the 3G antenna) as possible (like distance from BT exchange affecting broadband speeds, the further you are, the slower the speed). Without a site in the proposed area, a user might not be able to make a video call or surf the internet at an acceptable speed, or may not have any 3G service at all, as 3G cells contract when demand is high.

Enclosed with this application is a set of radio coverage plots demonstrating the current level of 3G network service in this area (plot 50092), the coverage which is predicted from the proposed site in isolation (plot 50093) and the proposal site in the context of the existing and planned network (plot 50094).

Plot 50092 clearly indicates that this area is currently suffering a shortfall in T-Mobile coverage. This plot may not represent the final coverage in this area as sites like Rivervale Car Compound (shown as a red dot on the plot) are still being processed by the Council. However, even with all of these sites operational, it is evident that there is an area not adequately covered, being Southwick, between the Leisure centre and Southwick Cemetery (those areas shaded purple).

Plot 50093 shows the coverage that will be provided by the proposed installation at Overhill in isolation. It is even more evident here, that the proposed installation will provide coverage over those areas not currently covered.

Plot 50094 represents the coverage that will be provided to the T-Mobile network with the integration of the Overhill site into the existing network. Here, it can clearly be seen that the deficiencies in my client's network represented in plot 50092 are resolved by the proposed installation.

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."

The World Health Organisation has stated: ***"despite extensive research, to date there is no evidence to conclude that exposure to low level electromagnetic fields is harmful to human health."*** [World Health Organisation, What are Electromagnetic Fields? 2003].

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."***

Following on from this, the first part of the Danish Interphone study was published in January 2004. The conclusion reached from the first part of their study was that : **"On the basis of these first data from the Interphone Study, we conclude that there is no evidence for an association between use of cellular telephones and the risk of developing acoustic neuroma."** The results of the second part of this study were published on the 13th April 2005 in 'The Journal of the American Academy of Neurology'. The conclusions reached by this study was that '**In this nationwide population based case-control study of incident meningiomas**

and gliomas, we found no support for the hypothesis that use of cellular telephones increases the risk for these brain tumours."

It can be seen that our site has been sited and designed in line with current Local, National and International guidelines.

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 existing telecommunication masts within the cell search area.

- **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 without creating an overly prominent roof top installation.

- **Ground Based Masts**

  It has been suggested that a ground-based mast appropriately removed from the AONB, and appropriately set back from schools and residential activity in the search area 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.

In relation to the new 3rd Generation service requirements, PPG8, Appendix – Supporting Guidance, Paragraph 28 States;

'...They [The Network Operators] are expected to use existing structures where possible (including those owned by other operators and radio site management companies) though they will likely also need to develop a substantial number of new sites.'

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 not contrary to both local and national policy guidelines.

- **Adur District Local Plan 1996**

The Adur Local Plan recognises that the Government's general policy on telecommunications is to facilitate the growth of new and existing systems. It reinforces the need for local planning authorities to respond positively to telecommunications development proposals, especially where the proposed location is constrained by technical considerations, while taking account of advice on the protection of urban and rural areas.

The following policies are relevant to a consideration of this proposal:

Policy AB29 Other Telecommunications Development

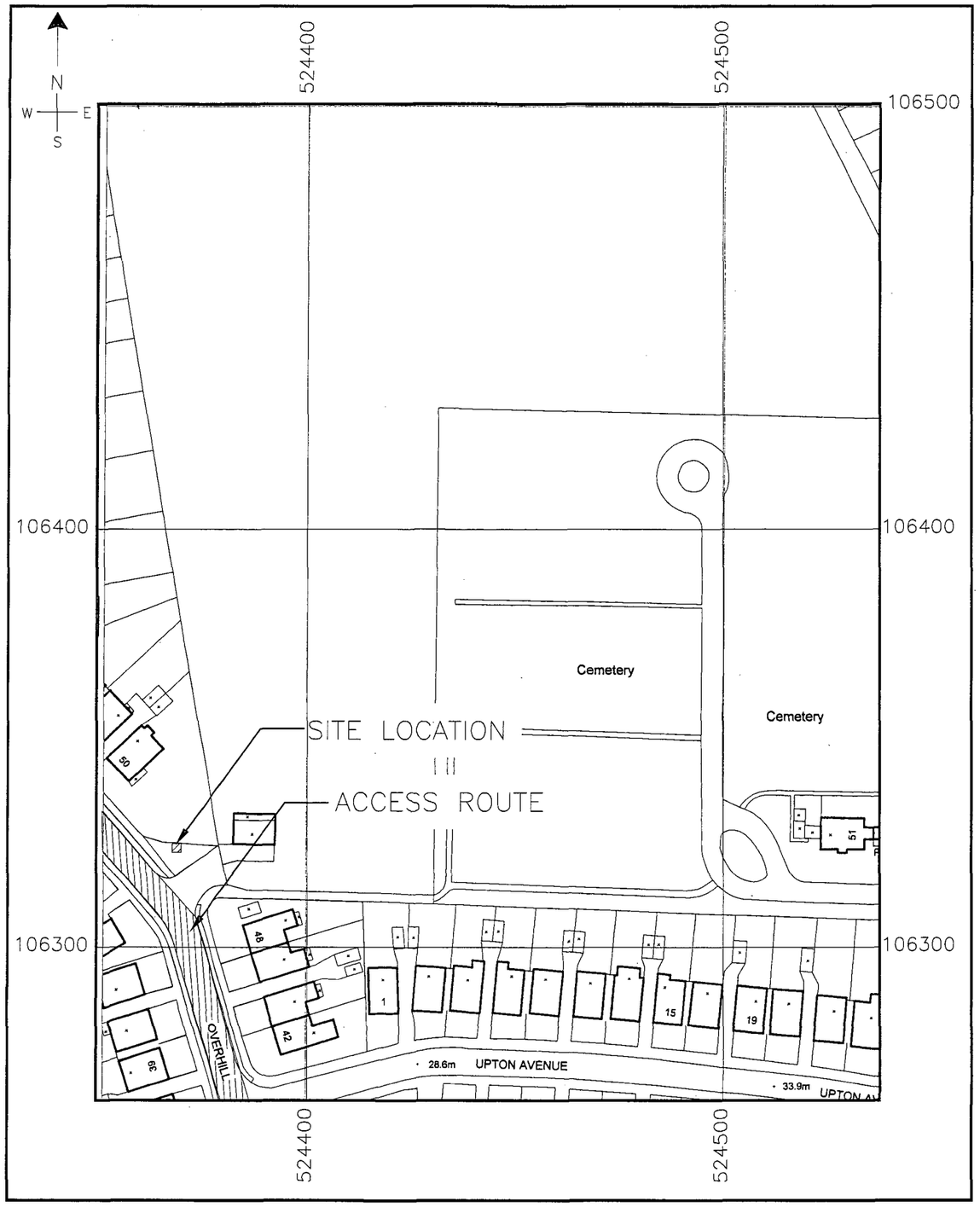
This policy provides for the approval of telecommunications development where it can be demonstrated that there is no reasonable possibility of erecting antennas on an existing building or other structures. The policy sets out an expectation that apparatus will be sited, designed and where appropriate, landscaped, so as to minimise its visual impact on the environment in which it is located, while respecting operational requirements.

As previously mentioned, the location of the proposed development has been selected because of the lack of existing masts and/or structures capable of accommodating T-Mobile apparatus in the cell search area. The siting of the mast provides the greatest level of separation between schools and residential dwellings in a search area that has relatively dense levels of development and a general lack of verges with settings to accommodate telecommunication installations. The amenity of the cemetery grounds and the character of the Overhill neighbourhood are maintained by the use of a design which simulates the Telegraph Poles located along this street. Additional landscaping has not been proffered as part of this proposed because several existing trees are located within close proximity of the site providing a good context for the mast, and the cabinets are not prominently located. However, should the Council be of the mind to allow the proposal, T-Mobile is receptive to any landscaping condition considered necessary to provide increased long-term screening.

We therefore consider that the proposal as contained within this application complies with the above policies and should be considered on its merits.

Conclusion

The application site is considered to be appropriate for such a development. The design of the installation does not adversely impact upon the outlook from the adjoining dwelling, the quality of this residential setting or the amenity of the back entrance (pedestrian) to the Cemetery grounds. 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.



LOCATION PLAN
1:1250

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

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CELL No.	55806
SITE NAME	OVERHILL DNS
N.G.R.	542380E 106324N
SITE ADDRESS	524370 OVERHILL SOUTHWICK SOUTHWICK BN42 2WP

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

NOTES

[illegible] COUNCIL
PLANNING DIVISION
PLAN NO Ax0a87107
DATE RECEIVED 29 MAR 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
OVERHILL DNS
OVERHILL
SOUTHWICK
SOUTHWICK
Post Code BN42 4WP

Drg Title
SITE LOCATION

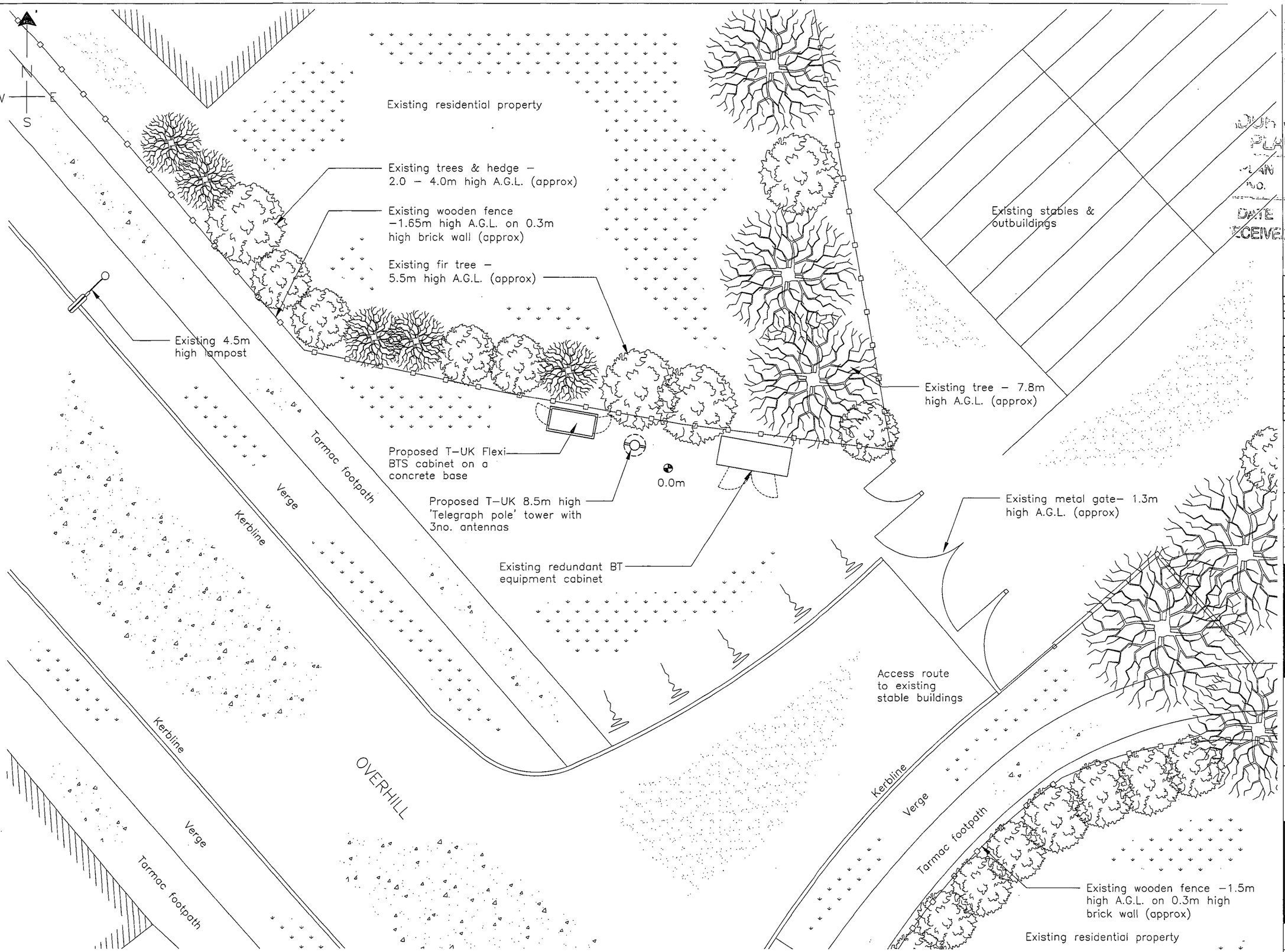
Stappard Howes
Heriot House
Heriot Road
Chertsey, Surrey
KT16 9DT
Telephone 01932 575 900 Fax 01932 575 901

Cell No. 55806

Status PLANNING

Scale			Size
AS SHOWN			A3
Drawn AS	Checked JL	Approved DB	Date 29.11.06

Drawing No. 1222/038/001 Revision



PLAN VIEW ON SITE

1:100

0m 1m 2m 3m 4m 5m

NOTES

1.1. Do not scale.
1.2. All dimensions are 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

PROPOSED T–UK EQUIPMENT

PROPOSED CABINET DETAILS:
T–UK Ref: 1No. secure Flexi BTS cabinet
Dimensions: 1228x570x1330mm high
Material: Steel
Colour: Grey (RAL 7035)

TOWER DETAILS:
T–UK Ref: Hutchinson Mk2 Telegraph Pole 8.5m
T–UK Part No.: P002177

PROPOSED ANTENNA DETAILS:
T–UK Ref: 3No. antennas

DATE RECEIVED 29 MAR 2007

ANTENNA DETAILS :

ANTENNA	ORIENTATION °EGN	HEIGHT (m)	STATUS	FEEDER LENGTHS (m)
UA1	60°	7.75	Proposed	14.0m
UB1	180°	7.75	Proposed	14.0m
UC1	300°	7.75	Proposed	14.0m

DISH DETAILS :

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

LEASE LINE

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 BJB	Mast changed
Date 08.03.07	App JL	

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
OVERHILL DNS
OVERHILL
SOUTHWICK
SOUTHWICK
Post Code BN42 4WP

Drg Title
SITE PLAN

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

Cell No. 55806

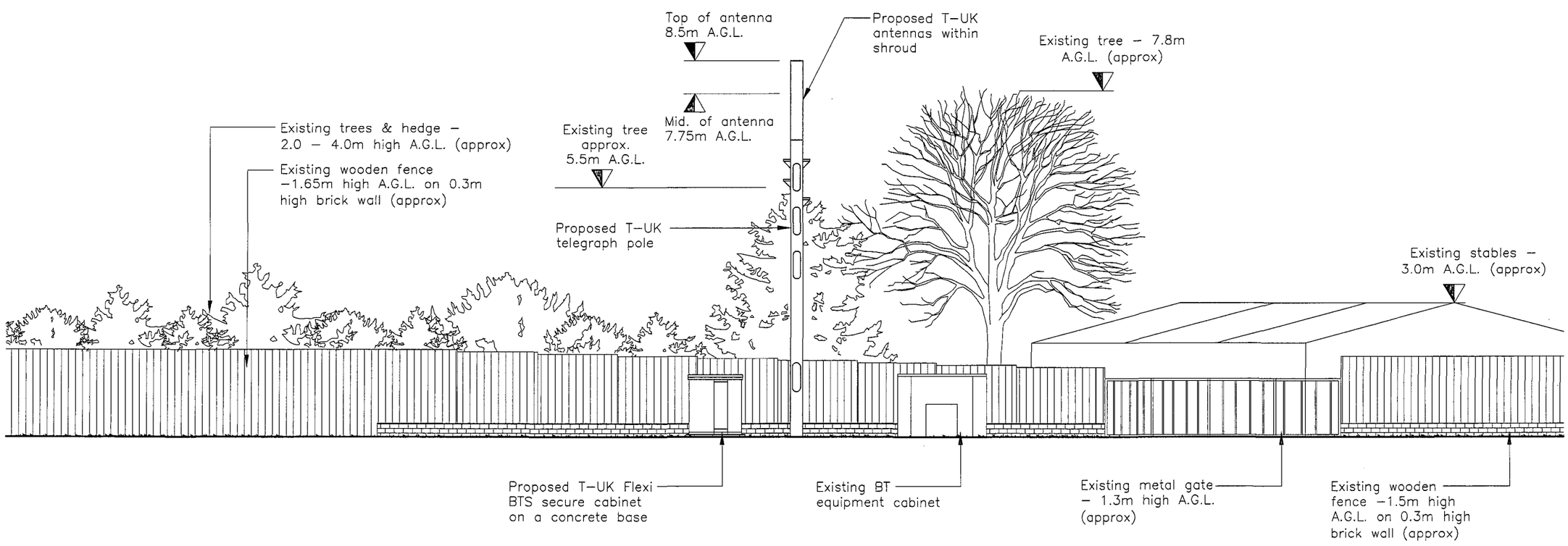
Status PLANNING

Scale AS SHOWN | Size A3
Drawn AS | Checked JL | Approved DB | Date 29.11.06
Drawing No. 1222/038/002 | Revision A

NOTES

1.1. Do not scale.
1.2. All dimensions are 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 A/dc/07/0187
DATE RECEIVED 29 MAR 2007



NORTH EAST ELEVATION
1:100

0m 1m 2m 3m 4m 5m

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

Rev	Drn	
Date	App	
A	BJB	Mast changed
08.03.07	JL	

T-Mobile

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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
OVERHILL DNS
OVERHILL
SOUTHWICK
SOUTHWICK
Post Code BN42 4WP

Drg Title
SITE ELEVATION

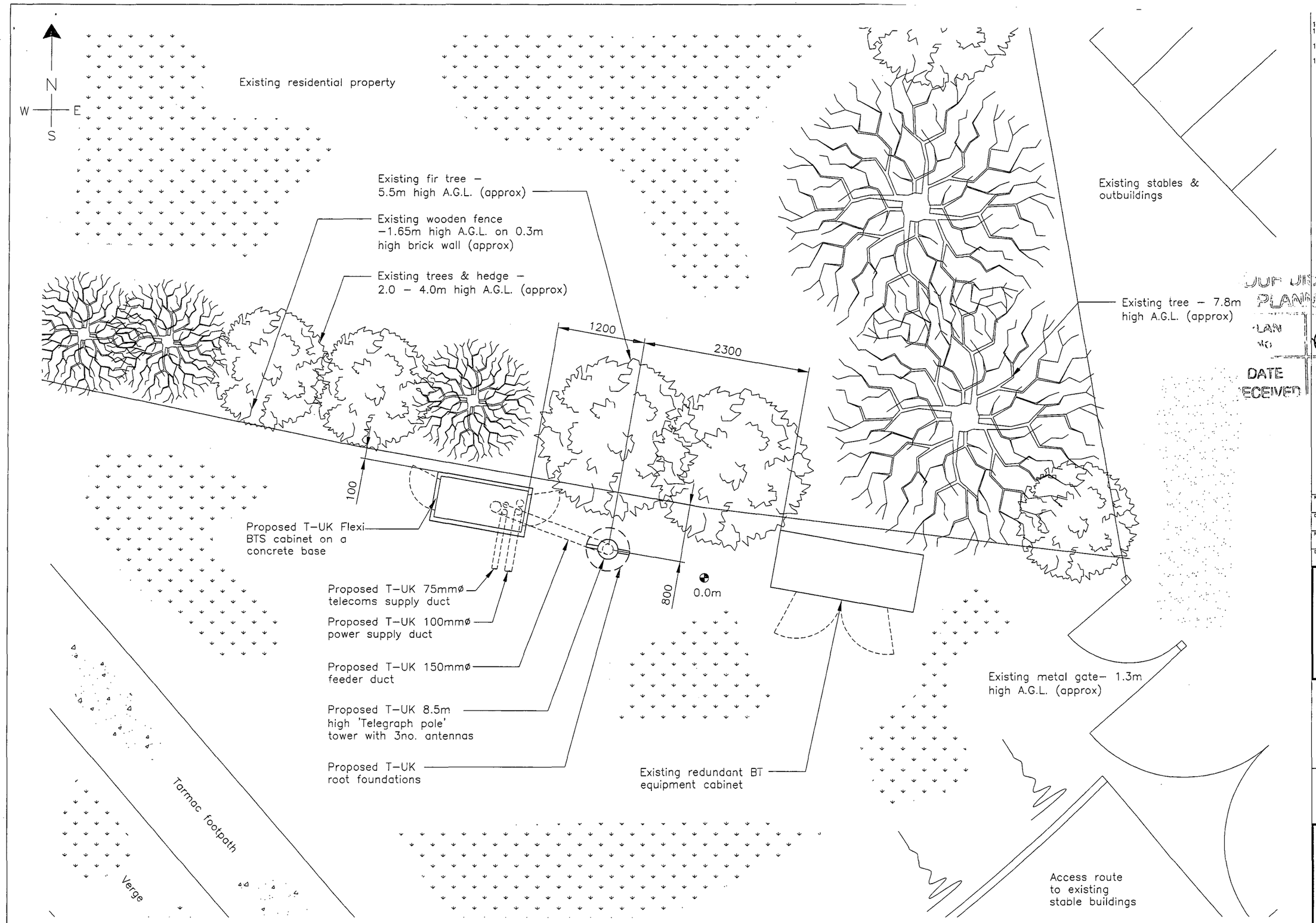
Stappard Howes
Heriot House
Heriot Road
Chertsey, Surrey
KT16 9DT
Telephone 01932 575 900 Fax 01932 575 901

Cell No. 55806

Status PLANNING

Scale				Size
AS SHOWN				A3
Drawn	Checked	Approved		Date
AS	JL	DB		29.11.06

Drawing No. 1222/038/003 Revision A



T–MOBILE EQUIPMENT PLAN

1:50

0m 1m 2m 3m

NOTES

1.1. Do not scale.
1.2. All dimensions are 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.

OUR DISTRICT COUNCIL
PLANNING DIVISION
PLAN NO. Arxc/0187/07.
DATE RECEIVED 29 MAR 2007

Rev	Drn	
Date	App	
Rev A	Drn BJB	Mast changed
Date 08.03.07	App JL	

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: OVERHILL DNS
OVERHILL
SOUTHWICK
SOUTHWICK

Post Code: BN42 4WP

Drg Title: EQUIPMENT LAYOUT

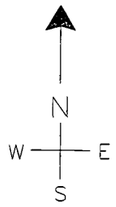
Stappard Howes
Heriot House
Heriot Road
Chertsey, Surrey
KT16 9DT
Telephone 01932 575 900 Fax 01932 575 901

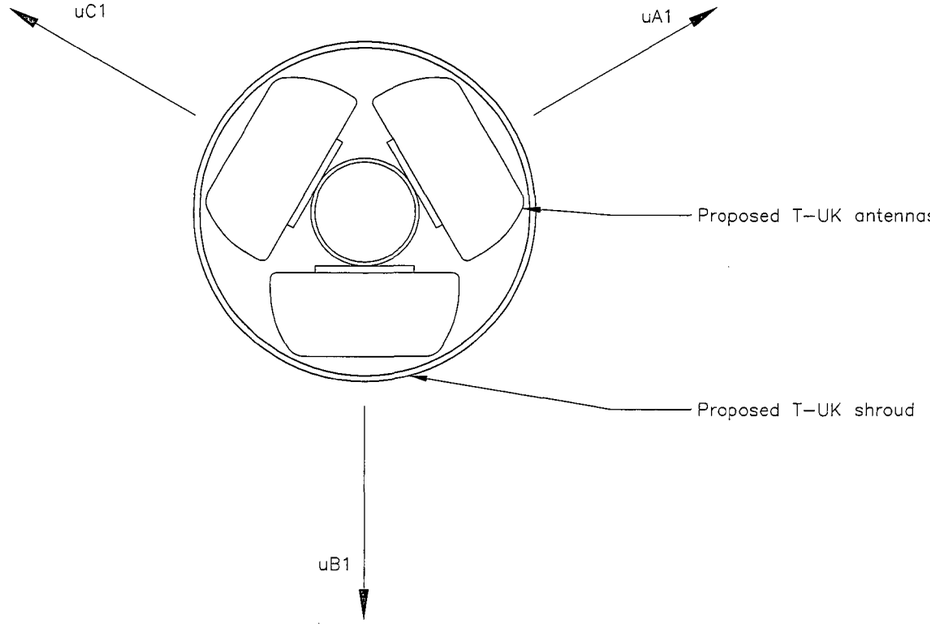
Cell No. 55806

Status: PLANNING

Scale	Size		
AS SHOWN	A3		
Drawn AS	Checked JL	Approved DB	Date 29.11.06

Drawing No. 1222/038/004 Revision A





PLAN OF T-UK EQUIPMENT
ON TOWER

1:5

0m 0.1m 0.2m 0.3m

NOTES

1.1. Do not scale.
1.2. All dimensions are 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.

...DISTRICT COUNCIL
PLANNING DIVISION
PLAN NO. Apclas7/07
DATE RECEIVED 29 MAR 2007

ANTENNA DETAILS :

ANTENNA	ORIENTATION °EGN	HEIGHT (m)	STATUS	FEEDER LENGTHS (m)
UA1	60°	7.75	Proposed	14.0m
UB1	180°	7.75	Proposed	14.0m
UC1	300°	7.75	Proposed	14.0m

DISH DETAILS :

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

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 BJB	Mast changed
Date 08.03.07	App JL	

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

OVERHILL DNS
OVERHILL
SOUTHWICK
SOUTHWICK
Post Code BN42 4WP

Drg Title

ANTENNA LAYOUT

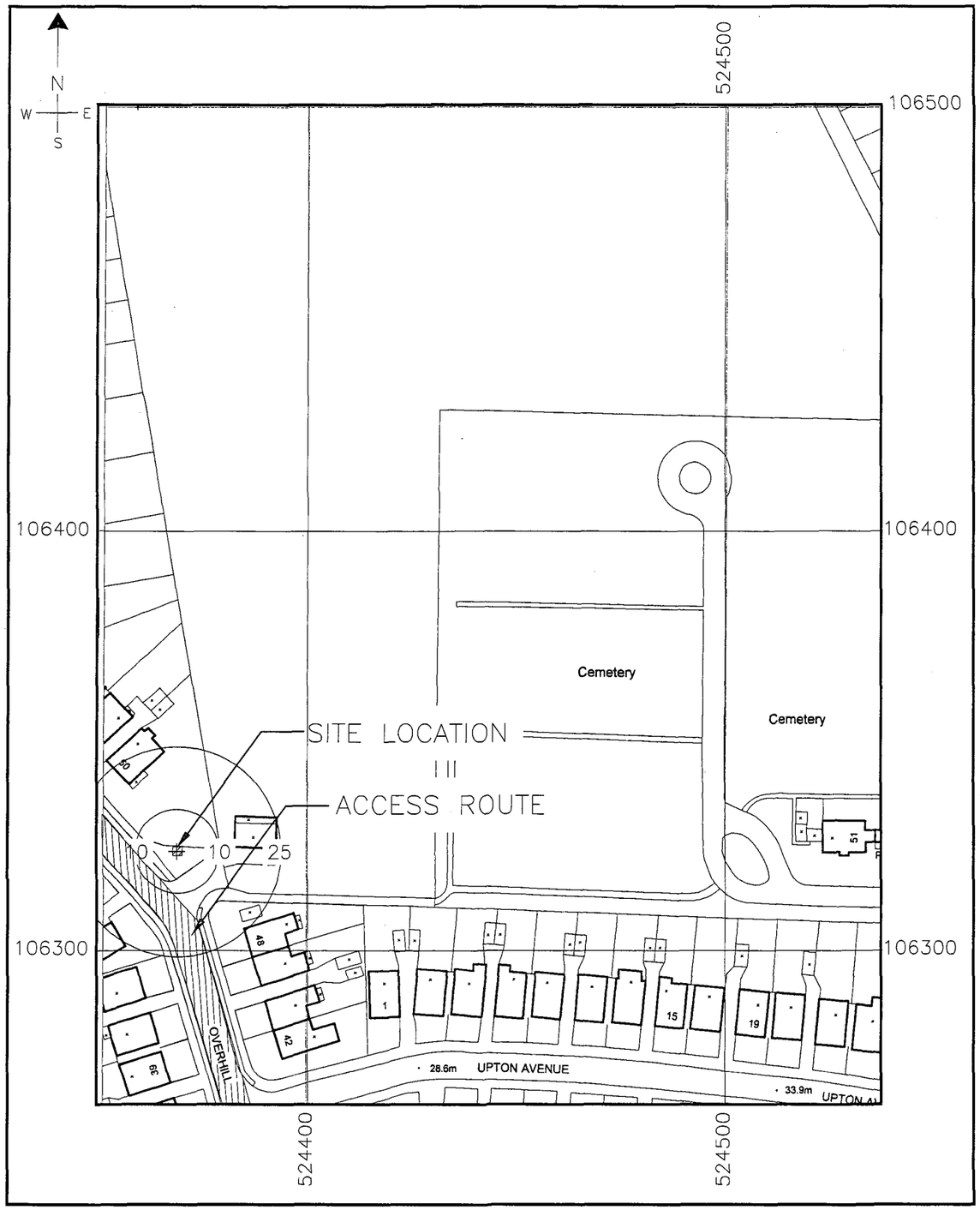
Stappard Howes
Heriot House
Heriot Road
Chertsey, Surrey
KT16 9DT
Telephone 01932 575 900 Fax 01932 575 901

Call No. 55806

Status PLANNING

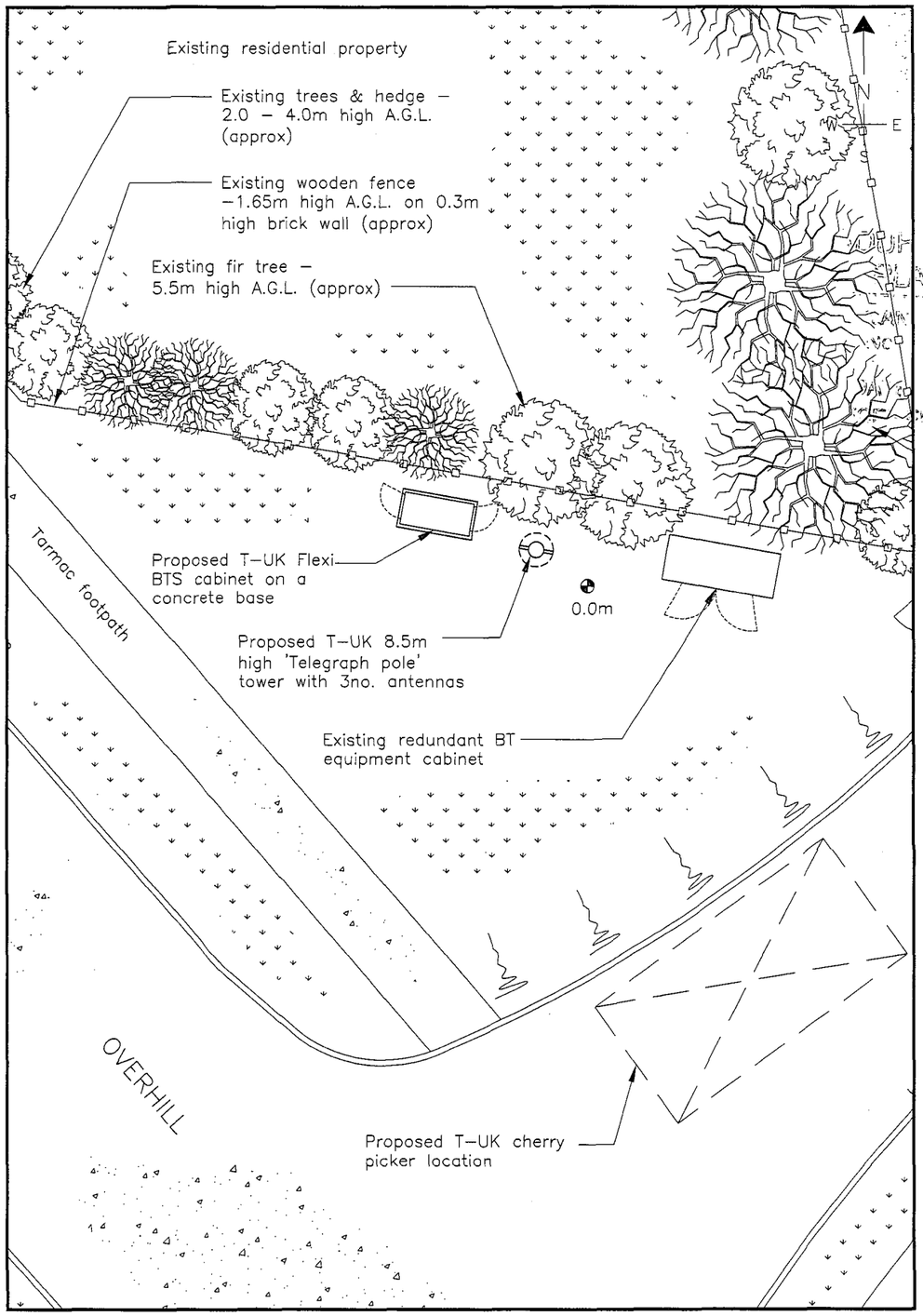
Scale AS SHOWN			Size A3
Drawn AS	Checked JL	Approved DB	Date 29.11.06

Drawing No. 1222/038/005 Revision A



CONCESSION BOUNDARY
1:1250

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



MEWP LOCATION
1:100

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

NOTES

DISTRICT COUNCIL
PLANNING DIVISION
Ax/0187/07
29 MAR 2007

Rev	Drn	
Date	App	
A	BJB	Mast changed
08.03.07	JL	

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
OVERHILL DNS
OVERHILL
SOUTHWICK
SOUTHWICK
Post Code
BN42 4WP

Drg Title
FIX IT
DRAWING

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

Cell No.
55806

Status
PLANNING

Scale				Size
AS SHOWN				A3
Drawn	Checked	Approved		Date
AS	JL	DB		29.11.06

Drawing No. 1222/038/006 Revision A

T-Mobile

3G COVERAGE PLOTS

Date Created: 28 March 2007

T-Mobile Cell Id: 55806
T-Mobile Site Name: OVERHILL DNS

Purpose of Site

The site is required to provide a high level of 3G coverage and a high grade of service to the Southwick North area. In order to provide coverage at commercial and residential indoor levels, the populated areas should be coloured magenta and green respectively.

Plot ref. 50092 – Coverage from existing and planned sites without 55806 OVERHILL DNS

The plot shows the coverage from existing and planned sites where planning permission has been approved or submitted. The coverage does not include cell 55806 OVERHILL DNS or any sites where planning permission has not yet been submitted. The plot shows that the local area of Southwick North is not adequately covered to commercial and residential indoor signal levels.

Plot ref. 50093 – Coverage from 55806 OVERHILL DNS in isolation

The plot shows the coverage provided from cell 55806 OVERHILL DNS in isolation at an assumed transmission height of 8m. The plot shows that the site provides commercial and residential indoor signal levels to the local area of Southwick North.

Plot ref. 50094 – Coverage from 55806 OVERHILL DNS and surrounding sites

The plot shows the coverage from 55806 OVERHILL DNS 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 Southwick North when compared to plot ref. 50092.

KEY TO COVERAGE PLOTS

ADUR DISTRICT COUNCIL
PLANNING DIVISION
PLAN NO. A/60/07
DATE RECEIVED 29 MAR 2007

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
51544	106185	523453	KINGSTON BROADWAY STEETWORKS	Site already exists.
51549	106209	525007	MILE OAK ROAD SW	Site already exists.
51564	105506	525991	RIVERVALE CAR COMPOUND	Planning permission pending.
55806	106324	524380	OVERHILL DNS	Site being justified in these plots.
55807	105312	525025	VF 977 SOUTHWICK FOOTBALL CLU	Application to be submitted.
55808	106496	525918	JCN EASTHILL DRIVE & MILL LANE	Planning permission pending.
55810	106509	522643	DUMMY SRVEY SITE FOR 55810	New site being investigated.
61631	105015	526165	CITY COAST CHRISTIAN OUTREACH	Site already exists.
71905	106902	525778	FOREDOWN ROAD	Site already exists.
94559	105120	523290	KINGSTON RADIO MAST	Site already exists.



3G COVERAGE

T-Mobile Plot Ref: 50092

Cell 55806

Coverage from existing and planned sites in the area excluding the proposed cell 55806 OVERHILL DNS.

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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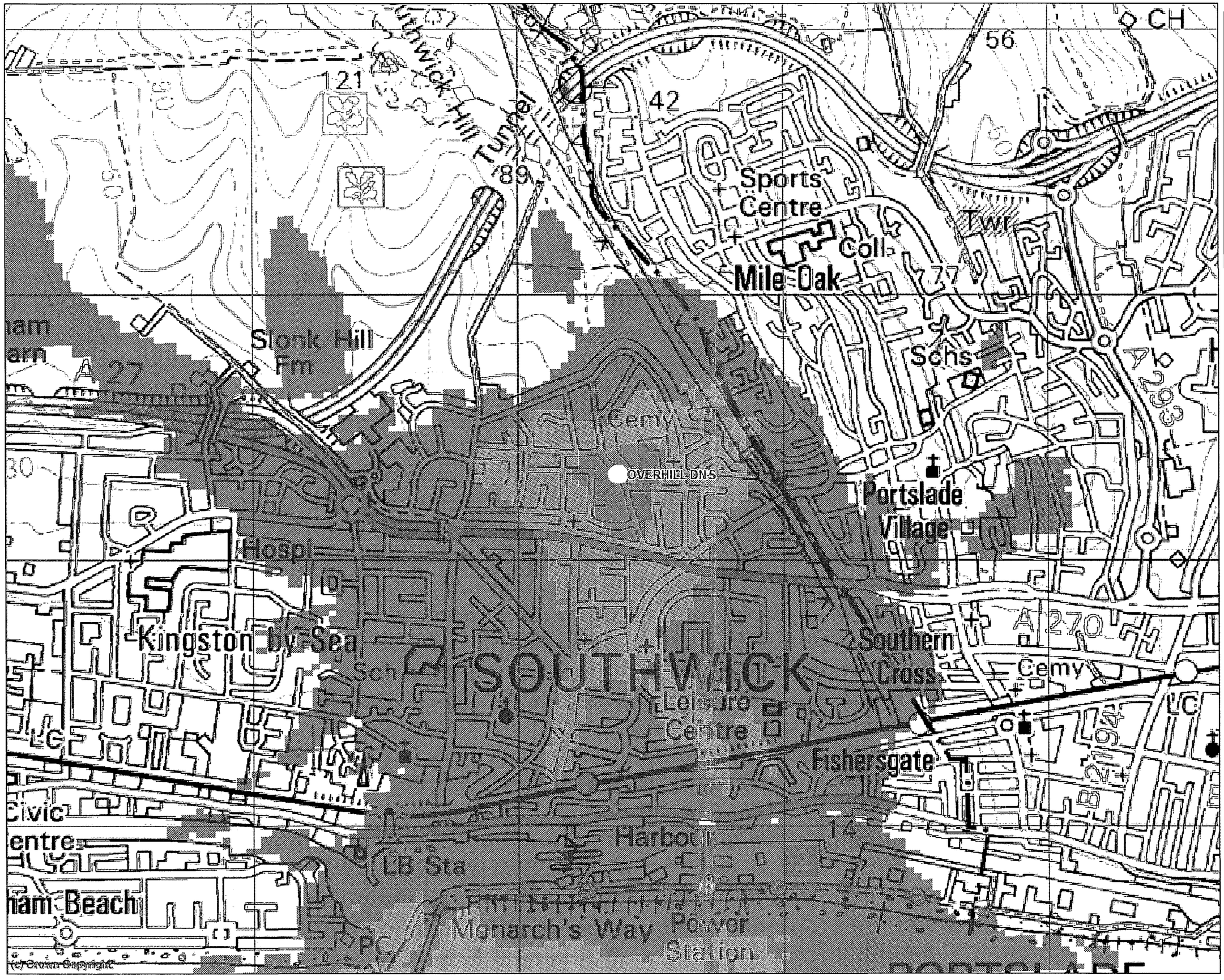

3G COVERAGE

T-Mobile Plot Ref: 50093

Cell 55806

Coverage from the proposed cell 55806 OVERHILL DNS 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: 50094

Cell 55806

Coverage from existing and planned sites in the area including the proposed cell 55806 OVERHILL DNS.

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.**

DUMMY SRVEY SITE FOR 55810

KINGSTON BROADWAY STEETWORKS

OVERHILL DNS

FOREDOWN ROAD

JCN EASTHILL DRIVE & MILL LANE

MILE OAK ROAD SW

KINGSTON RADIO MAST

RIVERVALE CAR COMPOUND

VF 977 SOUTHWICK FOOTBALL CLU

CITY COAST CHRISTIAN OUTREACH

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