APPLICATION NO:
F/2002/5913

LOCATION:
University Of Reading Sibley Hall Redhatch Drive, Earley Reading.

APPLICANT:
Hutchinson 3G UK Ltd C/O Barton Willmore Planning P/Ship

PROPOSAL:
Proposed telecommunications base station comprising 3 antennas, 4 microwave dishes and support cabinet on rooftop.

EARLIEST DATE FOR DECISION: **16/03/2002**

APPLICATION WILL HAVE EXPIRED ON:
11/04/2002

CASE OFFICER: **Helen Pollock**

10/31/00

WOKINGHAM DISTRICT COUNCIL

TOWN AND COUNTRY PLANNING ACTS

Notification of Approval of Permission

Hutchinson 3G UK Ltd
C/O Barton Willmore Planning Partnership
Beansheaf Farm House
Bourne Close
Calcot
Reading
Berks RG31 7BW

Application Number: F/2002/5913

Parish:	**EARLEY**
Location:	**University of Reading, Sibley Hall, Redhatch Drive, Earley, Reading.**
Proposal:	**Proposed telecommunications base station comprising 3 antennas, 4 microwave dishes and support cabinet on rooftop.**

The Wokingham District Council in pursuance of their powers under the above Acts and Regulations hereby **Approve Permission** for carrying out the above development in accordance with the application and the accompanying plans submitted to the Council subject to compliance with the following condition, the reason for which is specified hereunder.

Condition
1. The development hereby permitted shall be begun before the expiration of five years from the date of this permission.

Reason
1. In pursuance of Section 91(1) of the Town and Country Planning Act 1990.

Anna Cronin
Head of Planning & Transportation
Date: 04/04/2002

Notice checked by: _____

If this notice grants permission to proceed with the proposal the applicant is reminded that it relates to planning permission only and does not constitute approval under any other legislation including Building Regulations.

APPEALS TO THE SECRETARY OF STATE

PLANNING & ADVERTISEMENT APPEALS

1) If you disagree with the decision of the your local planning authority to refuse planning permission or you do not think that conditions placed on an approval are justified or reasonable, then you can appeal to the Secretary of State for the Environment, Transport and the Regions.

   If you want to appeal you must do so within **6 months** of the date of the decision notice for **planning applications** and within **8 weeks** in respect of **advertisement applications**, using a form you can get from The Planning Inspectorate. They can be contacted on (0117) 372 6373 or you can write to them at ; Temple Quay House, 2 The Square, Temple Quay, Bristol. BS1 6PN.

2) In some exceptional circumstances an appeal can be considered if more than 6 months or 8 weeks have elapsed since the date of your decision. If the 6 month/8 week time limit has expired and you wish to appeal please contact the Planning Inspectorate to find out if they are willing to accept it.

3) The Secretary of State does not have to consider an appeal if it appears that the local planning authority could not have granted planning permission for the proposed development or could not have approved permission without the conditions it imposed while having regard to the statutory requirement of the development order or any directions given under the order. In practice The Secretary of State does not normally refuse to consider appeals solely because the local planning authority based its decision on a direction given by him.

4) It is a statutory requirement for all appellants to copy their appeal forms direct to Wokingham District Council, Planning Services, P.O. Box 157, Civic Offices, Shute End, Wokingham, RG40 1WR, at the same time as the appeal is sent to the Planning Inspectorate. Details of this procedure will be included on the appeal forms.

PURCHASE NOTICES

1) If the local planning authority or the Secretary of State for the Environment, Transport and the Regions refuses permission to develop land or grants it subject to conditions, the owner may claim that the land cannot be put to a reasonably beneficial use in its existing state or cannot make the land capable of a reasonably beneficial use by the carrying out of any development which has been or would be permitted.

2) In these circumstances the owner may serve a purchase notice on the District Council in whose area the land is situated. This notice will require the Council to purchase an owners interest in the land in accordance with the provisions of Part XI of the Town and Country Planning Act 1971.

COMPENSATION

1) In certain circumstances compensation may be claimed from the Local Planning Authority if permission is refused or is granted subject to certain conditions by the Secretary of State for the Environment, Transport and the Regions on appeal or on reference of the application to him. These circumstances are set out in Section 114 and related provision of the Town and Country Planning Act 1990.

14.FEB.2002 5913

Hutchison 3G Engineering Documentation
Radio Design Group

Hutchison 3G UMTS Radio Characteristics

Hutchison 3G

Author	Kassir Hussain
Approved by	
Date	
Title	Hutchison 3G UMTS Radio Characteristics
Summary	
Document no.	

Table of contents

1 Introduction 4

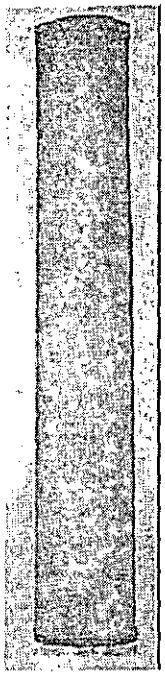
2 Operational Aspects 4
2.1 Spectrum Allocation 4
2.2 The technology standards 5
2.3 Licence and operating conditions 5
2.4 Vendor equipment 7
2.5 Antenna Specifications 7

3 Annex 1: Antenna specifications 8
3.1

CSAWireless
A TriPoint Global Company

"Freedom" UMTS 65°/17.5 dBi X-Pol Antenna

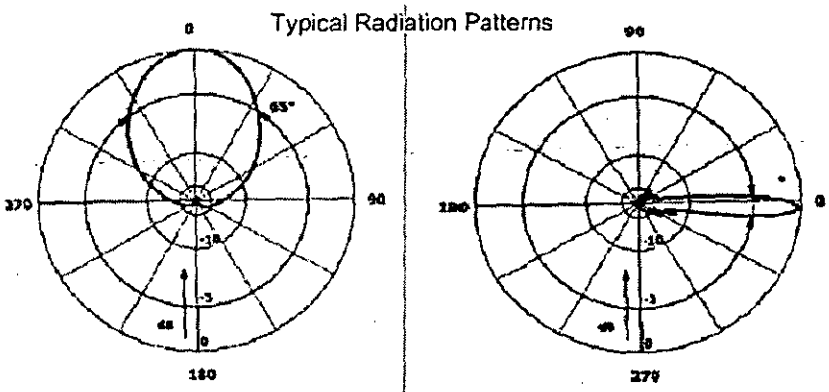
Model No UMTX65-12-*



Frequency	1900 to 2170 MHz
Gain	17.5 dBi
Input impedance	50 ohms
VSWR	< 1.4:1
Polarisation	±45°
Electrical downtilt	0°, 2°,4°
Inter-port isolation	> 30dB
Azimuth beamwidth	65°
Elevation beamwidth	7.5°
1st upper sidelobe	< -14 dB
1st Null	> -25 dB
Front to back ratio	> 30 dB
Intermodulation	< -153 dBc for 2 x 20 W carriers
Input power	2 x 125 W
Input connector	7/16 -DIN female, 2 connectors at the bottom
Temperature	-40°C to +60°C
Mounting interface	Wall or pole 2 – 4.5 in diameter (48 – 115 mm), c/w pan & tilt
Survival wind speed	200 km/h
Wind loads	Front: 180 N (at 150 km/h) Back: 270 N (at 150 km/h) Side: 115 N (at 150km/h)
Weight	Antenna 3.5 kg Bracket 3 kg
Dimensions	1270 x 184 x 82mm

Mounting bracket required: TBA

Typical Radiation Patterns



Azimuth Pattern Elevation Pattern

Radiation patterns available from the CSA Website in all the software planning tools
Visit http://www.csa-wireless.com

CSA Limited, Knight Road, Rochester, Kent, England ME2 2AX.
Tel +44 (0)1634 715544 Fax +44 (0)11634 715742 e-mail sales@csauk.com
Americas office: Conover NC Tel (001) 828 466 0421 Fax (001) 828 4660413 e-mail

2000 CSA reserves the right to modify or change the specifications shown above

3.2 Thales 10

1 Introduction

This document contains the operational characteristics of the Hutchison 3G UMTS network in the United Kingdom.

Hutchison 3G UK was one of the successful bidders in the UK 3rd generation spectrum auctions and acquired a licence to operate a UMTS network in the UK spectrum auctions held last year. Hutchison 3G was the winner of licence block A. The licence awarded to Hutchison 3G allows Hutchison 3G to become a Public Land Mobile Operator.

The full definition of the UK licence and other characteristics related to the radio network are presented in the following subsections of this document.

2 Operational Aspects

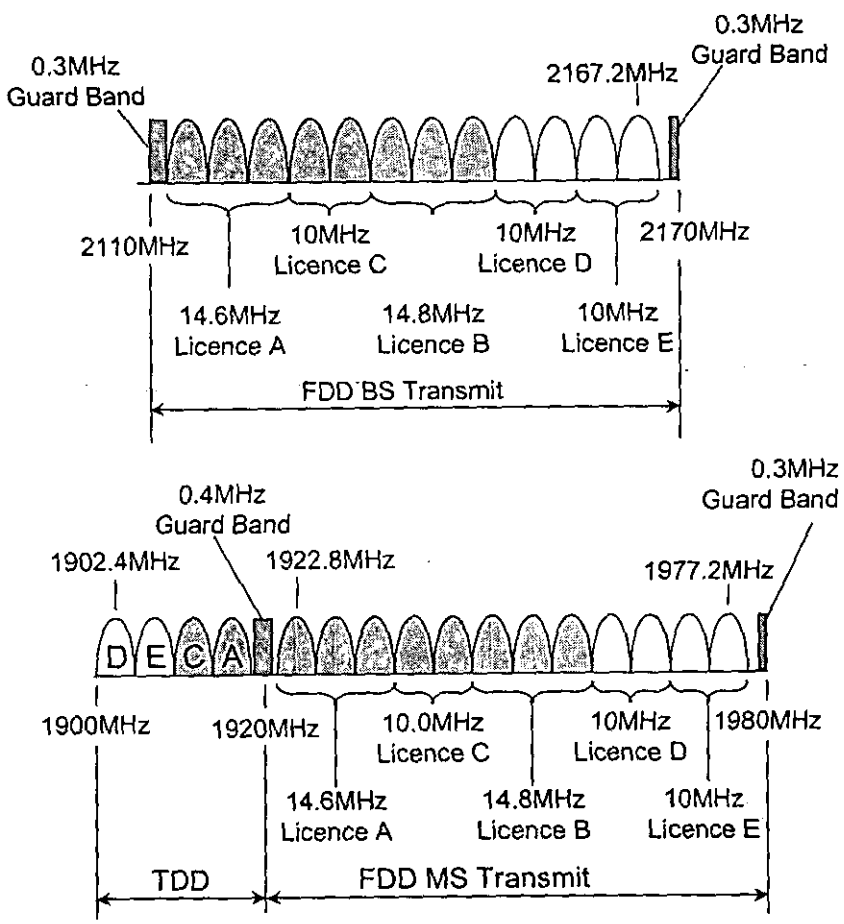
2.1 Spectrum Allocation

Hutchison 3G has acquired the A licence block. The licence provides Hutchison 3G with the following spectrum:

1920.0 – 1934.9 MHz – Base receive

2110.3 – 2124.9 MHz – Base transmit

1914.9 – 1920.0 MHz – Base transmit/receive in Time Division Duplex



2.2 The technology standards

The 3rd generation mobile system to be operated by Hutchison 3G in the United Kingdom is based on the Global 3GPP (3rd Generation Partnership Project) standard and is commonly referred to as the Universal Mobile Telecommunications System, or UMTS. 3GPP have created the radio standards for two modes of operation for UMTS. These are:

- Time Division Duplex (TDD) mode
- Frequency Division Duplex (FDD) mode

Hutchison 3G will only operate FDD mode of UMTS for the first few years. At some later date, TDD mode of operation will be introduced.

The FDD technology is based on a Direct Sequence Code Division Multiple Access (DS-CDMA) and typically operates over a 5MHz bandwidth. Due to the wide bandwidth of the system the system is often referred to as Wideband CDMA or WCDMA.

The modulation scheme employed in WCDMA is QPSK, Quadrature Phase Shift Keying.

Parameter	Value
Technology	Direct Sequence Code Division Multiple Access (DS-CDMA)
Modulation scheme	Quadrature Phase Shift Keying (QPSK)
System bandwidth	4.4 – 5 MHz, 200kHz carrier raster
Chipping rate	3.84 Mchips

2.3 Licence and operating conditions

The Third Generation Mobile licence, was awarded by the Radiocommunications Agency, and is covered by the Wireless Telegraphy Acts of 1949 and 1998. The WTA Licence places certain operational characteristics on the constraints on the licence holder. The table below outlines key aspects of this licence.

<table>
<tr><th>Licence clause</th><th>Definition of clause</th></tr>
<tr><td>(3). Approved standards for the radio equipment</td><td>The radio equipment shall comply with the requirements of Directive 99/5/EC (the "Radio Equipment and Telecommunications Terminal Equipment Directive").</td></tr>
<tr><td>(6) Frequency bands of operation</td><td>1920.0 – 1934.9 MHz – Base receive

2110.3 – 2124.9 MHz – Base transmit

1914.9 – 1920.0 MHz – Base transmit/receive in Time Division Duplex</td></tr>
<tr><td>(7a) Maximum permissible EiRP, Frequency division duplex (FDD)</td><td>The radio equipment in Frequency Division Duplex mode, is required to conform to the following EIRP limits:
<table><tr><td>Maximum EIRP per carrier[1]</td><td>Maximum EIRP per MHz[2]</td></tr><tr><td>62 dBm</td><td>58 dBm/Hz</td></tr></table></td></tr>
<tr><td>(7b) Maximum permissible EiRP, Time division duplex (TDD)</td><td>The radio equipment in Time Division Duplex mode, is required to conform to the following EIRP limits:
<table><tr><td>Maximum EIRP per carrier[1]</td><td>Maximum EIRP per MHz[2]</td></tr><tr><td>62 dBm</td><td>58 dBm/Hz</td></tr></table></td></tr>
<tr><td>(8a) Permissible out of block emissions, Frequency division duplex (FDD). [3]</td><td><table><tr><td>Offset from edge of block</td><td>Maximum permitted level</td><td>Measurement bandwidth</td></tr><tr><td>0 to 0.2 MHz</td><td>-14 dBm</td><td>30 kHz</td></tr><tr><td>0.2 to 1.0 MHz</td><td>-14 – 15(Δf – 0.2) dBm</td><td>30 kHz</td></tr><tr><td>1.0 to 10 MHz</td><td>-13 dBm</td><td>1.0 MHz</td></tr><tr><td>Beyond 10 MHz</td><td>-30 dBm</td><td>1.0 MHz</td></tr></table>
Note Δf is the offset from the edge of the frequency block in MHz</td></tr>
<tr><td>Relevant radio standards for operation</td><td>ETSI TS 125.104: UTRA (BS) FDD; Radio transmission and reception

ETSI TS 125.105: UTRA (BS) TDD; Radio transmission and reception</td></tr>
<tr><td></td><td></td></tr>
</table>

[1] The maximum EIRP (Effective isotropic radiated power) per carrier is the product of the power supplied to the antenna and the antenna gain in a given direction relative to an isotropic antenna. The maximum EIRP in any direction from the basestation will be below this limit for any transmitted carrier. Power for this limit is defined as the mean modulated carrier power time averaged over any suitable time period in which the transmitter is continuously transmitting at its maximum operational power level.

[2] The maximum EIRP per MHz is defined as the sum of the EIRP radiated by the transmitted carriers in any given direction within any contiguous 5MHz block within an operator's spectrum allocation divided by five.

[3] The out of block emissions are defined as the radio frequency emissions generated by the system operated by the licensee but radiated into the spectrum adjacent to the licencee's frequency block.

Note, that the EIRP per carrier and the EIRP per MHz limits are considered separately for any deployment and the more stringent requirement is complied with.

The spectrum allocation provided to Hutchison 3G allows Hutchison 3G to deploy a maximum of three FDD carriers and a single TDD carrier.

2.4 Vendor equipment

Hutchison 3G will use radio equipment from two manufacturers, NEC and Nokia. NEC equipment is utilised mainly in the South East of the UK and Nokia in the North.

2.5 Antenna Specifications

The antennas intended for use by Hutchison 3G are from Thales and CSA. Hutchison 3G has measured the performance of the antenna from both suppliers rather than relying on data from the suppliers themselves. The antennas used are shown in Table 1.

Supplier	Antenna description
Thales	1.32 and 1.56 metre antennas
CSA	1.27 and 1.72 metre antennas.

Table 1. Hutchison 3G antenna

The Thales antenna is predominantly used in the Hutchison 3G network, however at some point, CSA antennas may also be used. Specifications from both antenna vendors are provided for completeness. The antenna specifications for the Thales and CSA antenna are provided in .

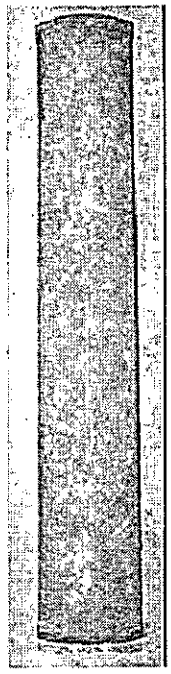
3 Annex 1: Antenna specifications

3.1 CSA

CSAWireless™
A TriPoint Global Company

"Freedom" UMTS 65°/17.5 dBi X-Pol Antenna

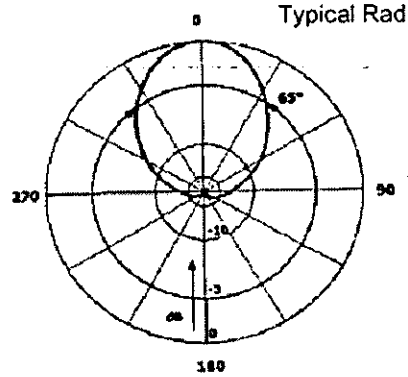
Model No UMTX65-12-*



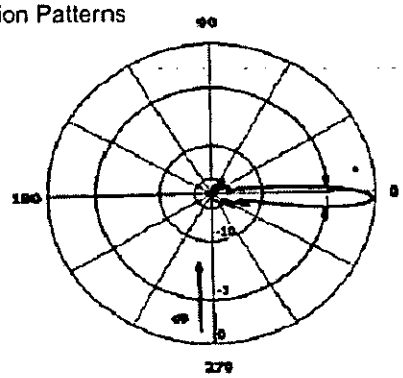
Frequency	1900 to 2170 MHz
Gain	17.5 dBi
Input Impedance	50 ohms
VSWR	< 1.4:1
Polarisation	±45°
Electrical downtilt	0°, 2°,4°
Inter-port isolation	> 30dB
Azimuth beamwidth	65°
Elevation beamwidth	7.5°
1st upper sidelobe	< -14 dB
1st Null	> -25 dB
Front to back ratio	> 30 dB
Intermodulation	< -153 dBc for 2 x 20 W carriers
Input power	2 x 125 W
Input connector	7/16 -DIN female, 2 connectors at the bottom
Temperature	-40°C to +60°C
Mounting interface	Wall or pole 2 – 4.5 in diameter (48 – 115 mm), c/w pan & tilt
Survival wind speed	200 km/h
Wind loads	Front: 180 N (at 150 km/h) Back: 270 N (at 150 km/h) Side: 115 N (at 150km/h)
Weight	Antenna 3.5 kg Bracket 3 kg
Dimensions	1270 x 184 x 82mm

Mounting bracket required: TBA

Typical Radiation Patterns



Azimuth Pattern



Elevation Pattern

Radiation patterns available from the CSA Website in all the software planning tools
Visit http://www.csa-wireless.com

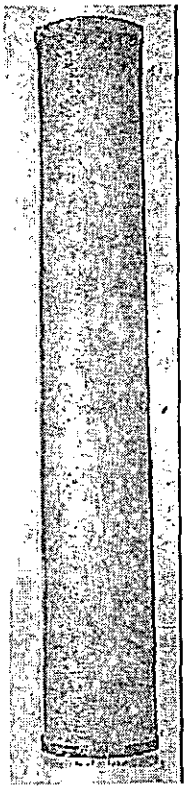
CSA Limited, Knight Road, Rochester, Kent, England ME2 2AX.
Tel +44 (0)1634 715544 Fax +44 (0)11634 715742 e-mail sales@csauk.com
Americas office: Conover NC Tel (001) 828 466 0421 Fax (001) 828 4660413 e-mail

2000 CSA reserves the right to modify or change the specifications shown above

CSAWireless

"Freedom" UMTS 65°/18.5dBi X-Pol Antenna

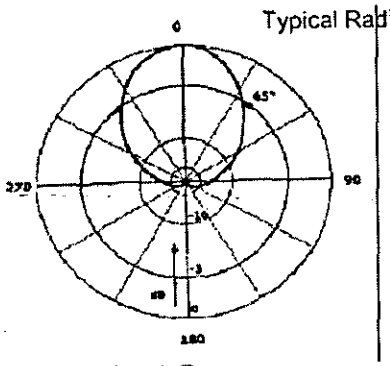
Model No UMTX65-17-*



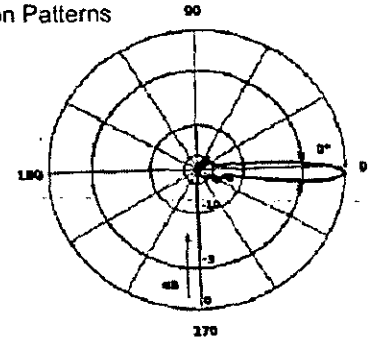
Frequency	1900 - 2170 MHz
Gain	18.5 dBi
Input Impedance	50 ohms
VSWR	< 1.4:1
Polarisation	±45°
Electrical downtilt	Various options available on request
Inter-port isolation	> 30dB in Tx, > 27dB in Rx
Azimuth beamwidth	65°
Elevation beamwidth	5°
1st upper sidelobe	< -16 dB
1st Null	> -25 dB
Front to back ratio	> 30 dB
Intermodulation	< -153 dBc for 2 x 20 W carriers
Input power	2 x 125 W
Input connector	7/16 - DIN female, 2 connectors at the bottom
Temperature	-40°C to +60°C
Mounting interface	Wall or pole 2 – 4.5 in diameter (48 – 115 mm), c/w pan & tilt
Survival wind speed	200 km/h
Wind loads	*Front: 400N at 150 km/h* Back: 430N at 150 km/h Side: 165N at 150 km/h
Weight	Antenna 5 kg Bracket 3 kg
Dimensions	1720 x 184 x 82

Mounting bracket required: XSL54256

Typical Radiation Patterns



Azimuth Pattern



Elevation Pattern

Radiation patterns available from the CSA Website in all the software planning tools
Visit http://www.csa-wireless.com

CSA Limited, Knight Road, Rochester, Kent, England ME2 2AX.
Tel +44 (0)1634 715544 Fax +44 (0)11634 715742 e-mail sales@csauk.com
Americas office: Conover NC Tel (001) 828 466 0421 Fax (001) 828 4660413 e-mail

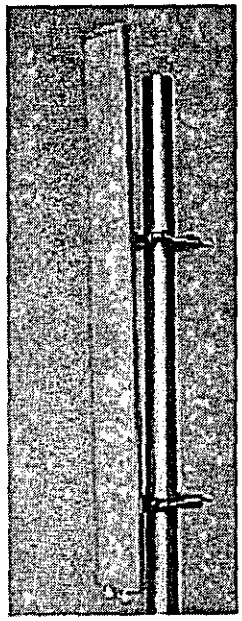
2000 CSA reserves the right to modify or change the specifications shown above

3.2 Thales



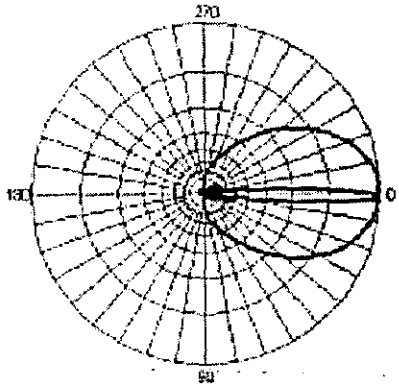
UMTS
65°/18 dBi
DUAL-POLARISED
ANTENNA

Dual Polarised Antenna
Type: 2209



- SINGLE-BAND 3G APPLICATIONS
- ULTRA LOW-PROFILE RADOME
- SIDELOBE SUPPRESSION

The '3G Series' of panel antennas from Racal have been designed to easily facilitate the installation of Third Generation Cellular infrastructure into new or existing networks. A number of models provide variations in both gain and fixed electrical downtilt to exactly suit the required cell coverage. Slimline radomes reduce visual impact & provide an easily installed, robust enclosure. An extremely low component count and one-piece PCB result in consistently high product quality and reliability, having an excellent intermodulation performance. The mounting brackets enable Tilt or Pan + Tilt options. Two connectors are provided on the base of the unit.



TECHNICAL SPECIFICATION

MODEL 2209

Frequency	:	1900 - 2170 MHz
Horizontal Beamwidth	:	65°
Vertical Beamwidth	:	7°
Gain	:	18 dBi
VSWR	:	1.2:1 typical
Fixed electrical downtilt options	:	2, 4, 6, 8 or 10°
Upper sidelobe suppression	:	< 18 dB
Below horizon null-fill	:	1st null <18 dB below beam peak
Isolation	:	30dB typical
Front-to-back ratio	:	>30 dB @ ± 180° azimuth
Power handling	:	200 Watts
Connectors	:	2 x 7/16" DIN (socket at bottom)
Dimensions	:	1315 mm x 142 mm x 43 mm
Operational wind speed	:	45 m/s (160 Km/h)
Survival wind speed	:	56 m/s (200 Km/h)
Max wind loading (Front)	:	268 N @ 45m/s
Weight	:	4.2 Kg
Temperature Range	:	- 40°C to + 70°C
Bracket Options	:	Tilt only ± 8° Pan (± 30°) & Tilt (8° down 2° up)

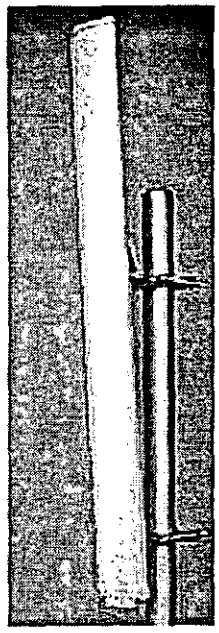
RACAL ANTENNAS
Telephone: +44 (0) 23 8070 5705 Fax: +44 (0) 23 8070 1122 e-mail: sales@racal-antennas.co.uk http://www.racal-antennas.com/

Racal reserve the right to vary in detail from the description and specification in this publication – 11/00 Issue 1



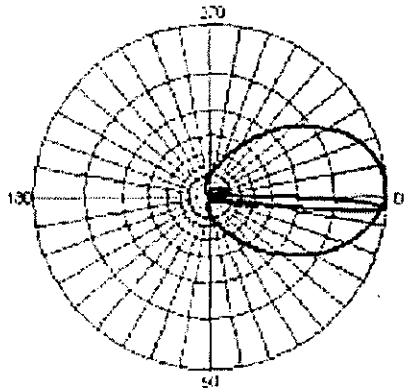
UMTS 65°/18.5 dBi DUAL-POLARISED ANTENNA

Dual Polarised Antenna Type: 2212



- SINGLE-BAND 3G APPLICATIONS
- ULTRA LOW-PROFILE RADOME
- SIDELOBE SUPPRESSION

The '3G Series' of panel antennas from Racal have been designed to easily facilitate the installation of Third Generation Cellular infrastructure into new or existing networks. A number of models provide variations in both gain and fixed electrical downtilt to exactly suit the required cell coverage. Slimline radomes reduce visual impact & provide an easily installed, robust enclosure. An extremely low component count and one-piece PCB result in consistently high product quality and reliability, having an excellent intermodulation performance. The mounting brackets enable Tilt or Pan + Tilt options. Two connectors are provided on the base of the unit.



TECHNICAL SPECIFICATION

MODEL 2211

Frequency	:	1900 - 2170 MHz
Horizontal Beamwidth	:	65°
Vertical Beamwidth	:	5.3°
Gain	:	18.6 dBi
VSWR	:	1.4:1 max
Fixed electrical downtilt options	:	2, 4, 6, 8 or 10°
Upper sidelobe suppression	:	< 18 dB
Below horizon null-fill	:	1st null <18 dB below beam peak
Isolation	:	30dB typical
Front-to-back ratio	:	>30 dB @ ± 180° azimuth
Power handling	:	200 Watts
Connectors	:	2 x 7/16" DIN (socket at bottom)
Dimensions	:	1682 mm x 142 mm x 43 mm
Operational wind speed	:	45 m/s (160 Km/h)
Survival wind speed	:	56 m/s (200 Km/h)
Max wind loading (Front)	:	359 N @ 45m/s
Weight	:	5.5 Kg
Temperature Range	:	- 40°C to + 70°C
Bracket Options	:	Tilt only ± 8° Pan (± 30°) & Tilt (8° down 2° up)

RACAL ANTENNAS
Telephone: +44 (0) 23 8070 5705 Fax: +44 (0) 23 8070 1122 e-mail: sales@racal-antennas.co.uk http://www.racal-antennas.com/

Racal reserve the right to vary in detail from the description and specification in this publication - 12/00 Issue 1

14.FEB.2002* 5913

SUPPORTING STATEMENT

This document has been produced in order to assist Local Planning Authorities in determining planning applications and notifications under the General Permitted Development Order (GPDO) for telecommunications development made on behalf of Hutchison 3G UK.

Whilst submitted as general background information to assist the determining of planning applications and GPDO notifications, the document does not constitute a formal part of any application and is not meant as a substitute for ongoing discussion on any specific proposal. Instead, the document is submitted as a complimentary aid to that process.

1.0 WHO ARE HUTCHISON 3G UK?

Hutchison 3G UK (H3G) were awarded one of the third generation mobile licences by the Department of Trade and Industry to run a public telecommunications service in the UK. Hutchison Whampoa, NTT DoCoMo and KPN own H3G. It is now investing in deploying a network for a potential launch in 2002. Hutchison 3G UK is required by the terms of our license to meet a coverage level of 80% of the UK population by 2007.

The licence permits allows us to operate at a frequency of 2.1 GHz

1920.0 – 1934.9 MHz – Base receive
2110.3 – 2124.9 MHz – Base transmit
1914.9 – 1920.0 MHz – Base transmit/receive in Time Division Duplex

2.0 WHY THE NEED FOR A NEW TELECOMMUNICATIONS SERVICE?

Firstly, mobile phone usage has grown exponentially and far in excess of that estimated.

Secondly and importantly for a 3rd Generation operator the introduction of technological developments will allow faster data transfer, direct access to the Internet from the handset and allow the use of videophones. It is anticipated that there will be an increase in data related traffic for video, pictures, text and other digital information and that the demand for this type of communication will increase the demand for mobile technology and the associated communications infrastructure.

Hutchison 3G UK aims to be in the vanguard in the roll out of 3rd Generation technology across Europe.

3.0 THE SITE SELECTION PROCESS

H3G's site selection strategy until launch is to keep our overall environmental impact to a minimum. The key to this will be for H3G to site share wherever we possibly can. To this end we will target:

- Existing telecommunications structures
- Buildings or rooftops
- Other useable utility based structures such as electricity pylons

New Greenfield or Brownfield sites will only be developed where there are no viable or accessible alternatives or it is the planning authority's preferred approach.

H3G have developed a number of agreements with providers of telecommunications infrastructure or companies with infrastructure that might be suitable for development to a telecommunications use. When the search area has been identified the Network Planning Engineer together with the Planning and Acquisition Consultants will use these agreements to identify possible sites. Within the search area, priority is being given to using pylon sites where possible to minimise any visual impact.

The Acquisition Consultant will then contact the building / land owners for the identified site and arrange a site visit. The Acquisition Consultant will provide the Network Planning Engineer with a Search Report, which will show the possible locations and access for the equipment. The search report includes a set of panoramic photographs from the possible antenna heights (illustrating for instance any obstructions that will affect the coverage from the site).

The Engineer will use the coverage prediction tool to make sure the identified site will provide the required coverage levels. Should the results be satisfactory the Engineer will then produce an initial design, which is used by the professional designer to produce detailed drawings of the installation. These drawings are agreed with the site provider and are used a part of the planning application.

As part of the process, the Transmission Engineer will make sure that the new sites can be networked into the existing network using microwave or leased line transmission links.

4.0 COVERAGE LEVELS AND TYPICAL CELL SIZE

The combination of the significantly faster data rates, the need to reduce interference within and between cells and the lower power output from 3G equipment means that the typical cell size for 3G is smaller than that generally associated with 2G.

5.0 SITE SEARCH

In accordance with our Licence obligations and PPG8, H3G's Network Planner, Acquisition and Planning Consultants will have undertaken an inspection of the area of search and investigated the following in order of preference:

- Using an existing telecommunications structure belonging to another communications operator
- Existing high building or other structure, including National Grid pylons
- A new site on brownfield land
- A new Greenfield site

6.0 PRE-ROLLOUT DISCUSSIONS

Under the Licence granted to H3G by the Government it is a condition that pre-rollout discussions are held with the local authority. Hutchison 3G UK is committed to carrying out a comprehensive pre – rollout programme.

7.0 THE LEGISLATIVE FRAMEWORK

7.1 Introduction

As a company operating in the UK, H3G is bound by all relevant territorial and European legislation. Particularly relevant to network development are the requirements and obligations flowing from three separate areas of legislation.

- Telecommunications
- Planning
- Health and Safety

7.2 Telecommunications

H3G is a licensed telecommunications code systems operator under the Telecommunications Act 1984. The current Licence was granted on 22nd December 2000 by the Secretary of State for Trade and Industry

The minimum network coverage requirement is specified in the Licence as being an area of where 80% of the UK population live by 2007.

7.3 Planning

7.3.1 General Permitted Development Order

As a licensed telecommunications code systems operator, H3G enjoys certain permitted development rights as set out in Part 24 Schedule 2 of the Town and Country Planning (General Permitted Development) Order 1995, as amended (GPDO). The rights are accompanied by a Code of Best Practice published by the Department of the Environment in March 1996 and DETR Circular 04/99, Planning For Telecommunications (now replaced by revised Planning Policy Guidance Note 8: Telecommunications, August 2001).

7.3.2 Planning Applications

Where development exceeds the limits set out in the GPDO or relates to areas where permitted development rights do not apply, then H3G is subject to the usual requirement for planning permission, requiring the submission of a planning application in the first instance. Any such application is subject to the normal statutory procedures and an important material consideration in its determination will be the guidance set out in PPG8, as well as the relevant policies in the development plan.

If planning permission is granted, the Company will fully comply with all relevant Health and Safety legislation.

7.3.3 Planning Policy Guidance Note 8 – Telecommunications

Revised PPG8: Telecommunications (August 2001) recognises that modern telecommunications are an essential and beneficial element in the life of the local community and in the national economy (Appendix, paragraph 1) and that they can benefit the environment through reducing the need to travel, and hence reducing vehicle emissions of carbon dioxide and other pollutants (Appendix, paragraph 2).

The Government's policy is to facilitate the growth of new and existing telecommunications systems whilst keeping the environmental impact to a minimum (paragraph 1).

Paragraph 6 of PPG 8 states that local authorities should not seek to prevent competition between different operators and should not question the need for the telecommunications system which the proposed development is to support.

7.4 Health and Safety Concerns

Health and Safety legislation covers a range of matters including safety during construction, structural stability and requirements to ensure proper and safe maintenance, as well as issues relating to radio frequency.

7.4.1 The Stewart Report

The Independent Expert Group on Mobile Phones (IEGMP), chaired by Sir William Stewart, was established in April 1999 on instruction of the Minister for Public Health and their report (The Stewart report) was published on 11th May 2000. The report was based on the issues and concerns relating to the 2nd generation rollout of a mobile phone network, however many of the conclusions and recommendations are relevant to and offer valuable lessons to the 3rd generation rollout.

Having heard and considered a large amount and wide range of evidence the main conclusions were as follows:

- The balance of evidence to date does not suggest that emissions from mobile phones and base stations put the health of the UK population at risk. However, given the gaps in our knowledge a precautionary approach to the use of mobile phone technologies is recommended.

- 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 guidelines. The report does, however, identify a number of indirect adverse effects primarily relating to impacts on local amenity.

- A recommendation that planning controls be extended to masts below 15m in height.

- A call for the random auditing of the emissions base stations particularly near schools and sensitive sites.

- That a substantial research programme should be instituted under the aegis of an independent panel.

7.4.2 The Government's Response

Revised PPG8 (August 2001) advises that the Government accepts the precautionary approach to the use of mobile phone technologies as set out in the Stewart Report, however the acceptance is limited to the specific recommendations made in the report and the Government's response to them (paragraph 31).

The Government's response includes acceptance of the more stringent International Commission on Non-Ionising Radiation Protection (ICNIRP) standard for public exposure.

Under Revised PPG8, all applications for planning permission or prior approval are required to be accompanied with a certificate that confirms that the proposed base station, when operational, will meet the ICNIRP guidelines.

7.4.3 World Heath Organisation (WHO) Report – JULY 2000

The WHO has updated its fact sheet No 193, Electromagnetic Fields and Public Health. It urges regulatory authorities " *not to undermine the science base of (health based) guidelines"* by incorporating *'arbitrary additional safety factors'.* The fact sheet also states that the ICNIRP guidelines " *offer protection against all identified hazards of RF energy with large safety margins."*

The fact sheet concludes *'RH fields levels around base stations are not considered a health risk'.*

7.4.4 Appeal Decisions

Tanridge District Council and One to One Personal Communications Limited verses Mohamed Al Fayed (1999)

The High Court decision made clear that refusal on harm to health grounds would not be sustainable.

Orange Personal Communications Ltd against Restormel Borough Council 2000

Although the appeal closed after the publication of the Stewart report (11th May 2000) further representations were invited and the decision takes these into account. It is in effect the first appeal decision after the Stewart report was published.

One of the conclusions stated was:

" *The IEGMP conclusion still remains one that echoes previous expert views from national and international advisory organisations, i.e. that on the balance of evidence the health of the general public will not be harmed by emissions from base stations. No other matter raised outweighs my conclusion that the evidence presented by possible health impacts does not amount to the substantial risk of harm that I consider would be necessary to outweigh the local and national policy background and the social and economic benefits of providing for modern communications."*

7.4.5 Revised Planning Policy Guidance for England and Wales– Revised PPG8 (August 2001)

The Appendix to Revised PPG8 sets out the Government's position on health considerations in detail. Paragraphs 88 – 92 refer to the Government's response to the Stewart Report and include reference

to the requirement for all base stations to meet the ICNIRP guidelines for public exposure.

Paragraph 93 of the Appendix sets out the responsibilities of operators under health and safety legislation. Ensuring compliance with the relevant guidelines is the responsibility of Government through the Health and Safety Executive and the National Radiological Board. Paragraph 94 of the Appendix states:

" It is not for the local planning authority to seek to replicate through the planning system controls under the health and safety regime. Enforcement of health and safety legislation in this area is a matter for the Health and Safety Executive (HSE) and not the Local Planning Authority."

In terms of considering health aspects of base stations when determining applications, Revised PPG8 states:

" Health considerations and public concern can in principle be material considerations in determining applications for planning permission and prior approval. Whether such matters are material in a particular case is ultimately a matter for the courts. It is for the decision-maker (usually the local planning authority) to determine what weight to attach to such considerations in any particular case."(paragraph 29)

" However, it is the Government's firm view that the planning system is not the place for determining health safeguards... 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."(paragraph 30)

Accordingly, the Appendix to PPG8 advises, at paragraph 99, that all applications should be accompanied by the following:

- Certificate of compliance with ICNIRP guidelines
- Details of site location, antenna height, frequency and modulation characteristics and power output
- Where a mobile phone base station is added to an existing mast or site, confirmation that the cumulative exposure will not exceed the ICNIRP guidelines

Paragraph 31 of PPG8 states:

" In the Government's view, local planning authorities should not implement their own precautionary policies, e.g. by way of imposing a ban or moratorium on new telecommunications development or insisting on minimum distances between new telecommunications development and existing development."

8.0 COMPLIANCE WITH ICNIRP

Hutchison 3G UK have welcomed the recommendation that base station sites should comply with the INCIRP guidelines for public exposure and we believe this will increase public confidence in the safety of transmitter sites.

As stated above the Department of Transport, Local Government and the Regions have issued guidance to the local authorities stating that if a new telecommunication site meets the ICNIRP guidelines then it is not necessary for the Planning Authority in processing an application to consider the health effects further.

H3G can confirm that all the proposed sites will comply with Health and Safety legislation and in particular the ICNIRP guidelines.

All applications will be supported by information relating to ICNIRP compliance including an ICNIRP compliance certificate.

9.0 BENEFITS

Government policy as indicated in PPG8 is to encourage modern telecommunications as being an essential and beneficial element in the life of the local community and in the national economy and a means of benefiting the environment through reducing the need to travel. Although not mutually exclusive or exhaustive, an illustration of common benefits is set out below under three categories:

- Local benefits
- Contribution to sustainability
- Contribution to the national economy

9.1 Local Benefits

The majority of the UK population now have access to a mobile phone. This has clear economic and social benefits in terms of access to emergency services, improved personal safety, accessibility to services and customers, avoidance of delay, and generally enhanced communications.

9.2 Contribution to Sustainability

Mobile communications includes messaging, faxes and data transference (via the use of modems and computers) and accessibility to them is changing the way in which we live and work. The next generation of services will link these with video and television services. At it's simplest, the creation of local job opportunities and full or part time home working, facilitated through access to modern communications help can significantly reduce the need to travel. Likewise, being in constant communication can avoid wasted journeys or make the best use of public transport - for instance accessing real time information on the arrival of the next bus or train.

At its most complex, mobile communications facilitates modern forms of working such as hot desking or even hot officing, so reducing and in some cases eliminating the need for office accommodation. As these modern working practices gain greater hold so the demand for office accommodation and the need to travel to and from these locations will change In addition, by reducing the number of commuters, the pressure on all forms of transport and the consequential road congestion often experienced during peak hours should be reduced, leading to clear environmental benefits.

9.3 Contribution to the National Economy

All businesses, from large to small, benefit from modern communications, which helps them, maintain and attract new business and service contracts in a responsive and competitive manner.

In addition, telecommunications is an increasingly important sector of the economy in its own right. It currently represents 3% of GDP and the network operators employ over 213,000 people. There are more than 32 million telephone exchange lines and in addition, some 40 million mobile phone subscribers. Information supplied by the Department of Trade and Industry indicates that the mobile phone industry is a major contributor to economic activity in the UK and that many of our telecommunications based companies are world leaders. The Network operators had an estimated combined turnover of some £5.8 billion in the financial year 1998/1999.

There are numerous companies which specialise in the manufacture of telecommunications equipment from handset to radio masts and sophisticated electronic equipment. Examples of companies with substantial operations in the UK include Nokia and Motorola.

There are also now many people involved in the sale of mobile communications equipment, often operating from dedicated high street shops.

Accessibility to modern communications, reductions in the price of calls and customer comfort in using the telephone has also seen the spawning of a range of products and services being sold by way of direct marketing, such as telephone banking and insurance. In turn, this has seen the development of a large number of call centres, some employing several hundred people, to the benefit of the particular local economies where they are situated.

The Government has as one of its core objectives, making the UK the best place in the world to do business electronically by 2002. Initiatives such as the Information Age are proof of the Government's commitment in this area recognising the role the communication sector plays as a fundamental bedrock for successful business.

14.FEB.2002 5913

1 Brief Description of UMTS / WCDMA

IMT-2000 [International Mobile Telephony], UMTS [Universal Mobile Telecommunications System] and WCDMA [Wideband Code Division Multiply Access] are three of the more widely known acronyms used when discussing the new Third Generation (3G) mobile telephony. The IMT-2000 was the governing body established to develop the standards. UMTS was an umbrella organization seeking to harmonize the different standards and WCDMA was indeed one those standards.

The technology, on which this WCDMA standard is based, has been in use for decades. Through extensive coding and sophisticated modulation techniques CDMA allows a relatively low transmission power and the successful deciphering of data received at signal levels below the noise floor.

In effect, each user transmits on the same frequency and at the same time as all other users. In a conventional sense, they all interfere with each other. However, different users are distinguished by speading their signal/data across a wide frequency band and according to a unique code, known only to the transmitter and the intended receiver, thus the term "wideband code division".

1.1 The "Cocktail Party Analogy"

1.1.1 How it works:

If you were in a room full of people and each couple was engaged in a conversation using a different language, the conversation you maintain with your partner can be considered a communication link. The fact that only the two of you share the same language within the room can be thought of as a special code.

Whilst communicating with your partner all other conversations within the room are "filtered" out. Other conversations are perceived as noise. In the same way one can "focus" one's attention upon a single conversation, CDMA can decipher out a single user from a noisy background via special coding techniques. The main difference is that the sophisticated coding used in the UMTS Standards affords the noise to be "louder" than the intended voice or technically speaking, the noise level to be greater than the received signal strength.

For a GSM system, the receive level signal strength usually needs to be 18 dB stronger than the interference. In comparison, WCDMA can decipher out the intended user even if the noise or interference is more than 3 dB stronger. That is a difference of 21dB or WCDMA requires 128 times less energy relative to the interference than GSM.

1.1.2 The output power:

The power transmitted at a single UMTS site is relative to what is needed. Continuing with the aforementioned analogy, in a crowded room one does not need to speak louder than the cumulative background noise to hold one's conversation with another if one is "reasonably" close to the recipient. In fact, when very close to the other person, say within inches of the other's ear, one could whisper and still be heard intelligently. However conversely, the greater

the distance between people wishing to communicate the louder one needs to "shout" to overcome the noise.

Generally, the same relation holds true within a WCDMA system. The closer one is, in metres, to the base station the lower the radiated output power at the mobile. Or in technical terms, the base station sites with small radii and low heights will generally have a higher probability of low output power at the mobile and base station when compared to a similar location with the same traffic density and a larger cell radii.

A comparison of maximum output power can be made with a typical second generation system (2G) such as GSM1800. GSM1800 (i.e. Orange and One2One) are very close along the radio spectrum to UMTS, less than 50MHz separate their downlink (or base station frequencies) from the UMTS uplink (or mobile frequencies). Thus, the propagation characteristics and signal losses within the different environments are similar. The maximum power of a typical GSM1800 mobile unit is 30 dBm or approximately 1 Watt whereas, a typical UMTS mobile is limited to a maximum of 125 milliwatts of power for voice communication or $1/8^{th}$ the output power of a GSM1800 mobile. This difference of maximum output power reflects the strength of the coding and error correction contained within the UMTS Standard, thus resulting in much lower radiation of output power at the mobile.

1.1.3 Power control:

Very sophisticated algorithms at the mobile and base station manage the power control within a WCDMA system. Returning to the "Cocktail Party Analogy"; as more people enter the room the noise rises and correspondingly one needs to speak louder (or transmit at a higher power) in order to maintain an intelligible conversation. WCDMA base stations and mobiles use only enough power so to be "received" and deciphered intelligibly. In fact, because power is always a limited resource, WCDMA "seeks" to limit and reduce the output power as much as possible

Unlike at a cocktail party there will never be the occasional "loudmouth"; i.e. someone who enters the room and speaks at a volume much greater than that which is needed, thus requiring everyone else to raise their voices. If you like, the power control algorithms function as a sort of monitor that goes throughout the room and carefully manages the volume of each and every conversation so that every single person within the room is communicating at the minimum required level.

Again, a comparison can be made with GSM as a frame of reference. The GSM specifications do allow dynamic control[1] of the output power mobile and base station. However, their algorithms allow the adjustment of power at a frequency of only 2Hz or twice a second (this was considered very quick at the time the specifications were written). Whereas, WCDMA will have a power control algorithm that manages the power at an expected rate of 1500 Hz or 1500 times a second. Obviously, the management of transmitted power with WCDMA is very fast in comparison. The algorithms seek to always minimize the output power whenever and

[1] Dynamic power control is the ajustment or change of transmitted power by the network. The network exerts the control by minimizing the power of the mobile to the smallest viable level.

wherever possible, thus as a result making the system inherently safer to the public relative to cumulative transmitted power emitted by the mobile.

1.2 The cell site radius:

In the aforementioned analogy, the noise is repeatedly mentioned and constantly alluded to as a significant issue in WCDMA system. In fact, it ***is*** the defining issue relative to the quality of service and the system capacity. Continuing with the analogy, there are two defining characteristics relative to the cumulative noise level at a cocktail party (assuming the monitor controls and minimizes the voice level of everyone): the size of the room and the number of people within it. Assuming a rather large room with much space, as more and more people enter the noise level becomes greater and greater. At a determinable point the ability to communicate for most people will decrease.

Again the two determining factors were the size of the room and the number of people within it. It is reasonable to assume that it is possible to reduce the cumulative noise by limiting both determining factors: A) to limit the number of people admitted to the room (i.e. reduce the number of mobiles connected to the base station) and more preferably: B) by limiting the size of the room (i.e. reducing the base station coverage area).

Let's continue with the analogy and assume that there is a very large room with only two people within it. If they are at separate ends of the room they will need to shout in order to communicate. Within a WCDMA system most base stations will share a common frequency. The noise contributed by an adjacent base station on another is similar to having a Chinese wall separating your cocktail party from that of your neighbour's. Even if there are only two of you within the room, by being in separate ends of a large room and shouting, you will be causing significant noise to your neighbour and thus affecting the quality of the conversations there. Remember, the maximum transmit power at the base station will be relative to the maximum link loss and/or distance to the mobile.

Another limiting factor that reduces the maximum coverage area of a WCDMA base station is the power available at the mobile. In comparison to GSM1800 the maximum output power at a WCDMA mobile is much less. The GSM1800 mobile has a maximum output power of 1 Watt. The WCDMA mobile has a maximum output power for voice communications of 125 milliwatts, this is $1/8^{th}$ than that of a GSM1800 mobile.

As we can see from these examples, the coverage areas for WCDMA base stations will need to be smaller than the traditional telecommunication sites (GSM). The smaller coverage area will reduce the probability of noise within the system and minimize the output power of both the base stations and mobiles. It is for this reason that Hutchison 3G wishes to keep the base station coverage areas small and as close to the traffic centres as feasibly possible.

2 Frequencies

The IMT-2000 framework group had identified the following frequencies for WCDMA: 1920 - 1980 MHz uplink (mobile phones); 2110- 2170 MHz downlink (base stations) as well as 1900 - 1920 MHz and 2020 - 2025 MHz band that will be used by both the uplink and downlink.

3 Modulation / Transmission Characteristics

The UMTS/WCDMA modulation scheme is QPSK modulation [Quadrature Phase Shift Keying]. In the uplink direction [from the mobile] the two dedicated physical channels are not time multiplexed but I/Q code multiplexed, please see figure 1. The result is an I/Q code multiplexed channel with continuous channel where no pulsed transmission occurs. The power output, however, will vary as the data is switched on and off. But, it is suffice to say that such switching happens quite seldom and that the variation is small in comparison to the two dedicated control channels.

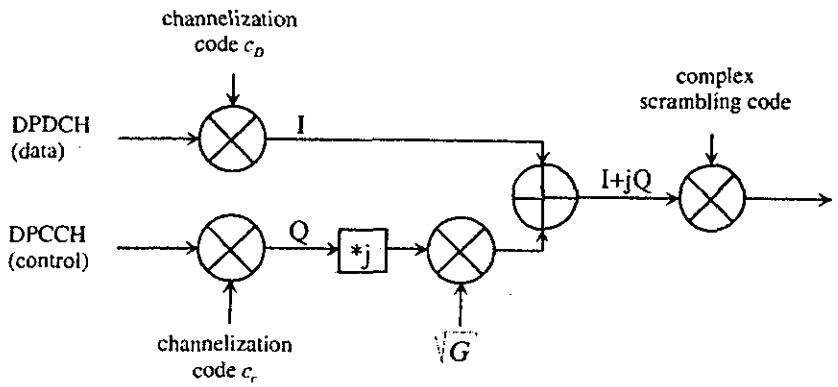


figure 1.

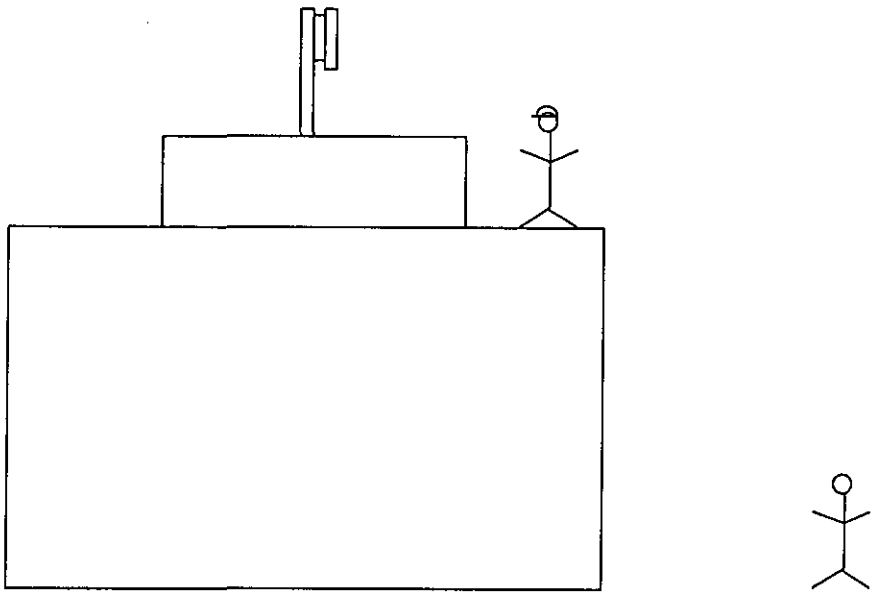
4 Safety Guidelines

4.1 ICNIRP / NRPB Guidelines

- Near Field / Occupational Limitations
- Far-Field / General Public Exposure Limitations

4.2 Procedures for Compliance

- Typical Radio Emissions from WCDMA sites (i.e. typical RF channel & a wide RF spectrum graph both with and without typical loading)
- Typical site sketches showing exclusion zones for occupational and general public access



4.3 Testing Procedures

- Scope of Testing
- Equipment
- Documentation

5 Deliverables for Planning Applications

It is proposed that all relative information is to be made available for all relative planning applications. A list of available information is as follows:

The following plot shows the coverage potential from a given site location. The plot includes an assumption of traffic and a particular service type. Radiation Centre Height of Transmission Antennas Coverage Potential Plot Frequencies output power Modulation / Transmission Characteristics

Planning Application

Site ID _____
Option Nam _____

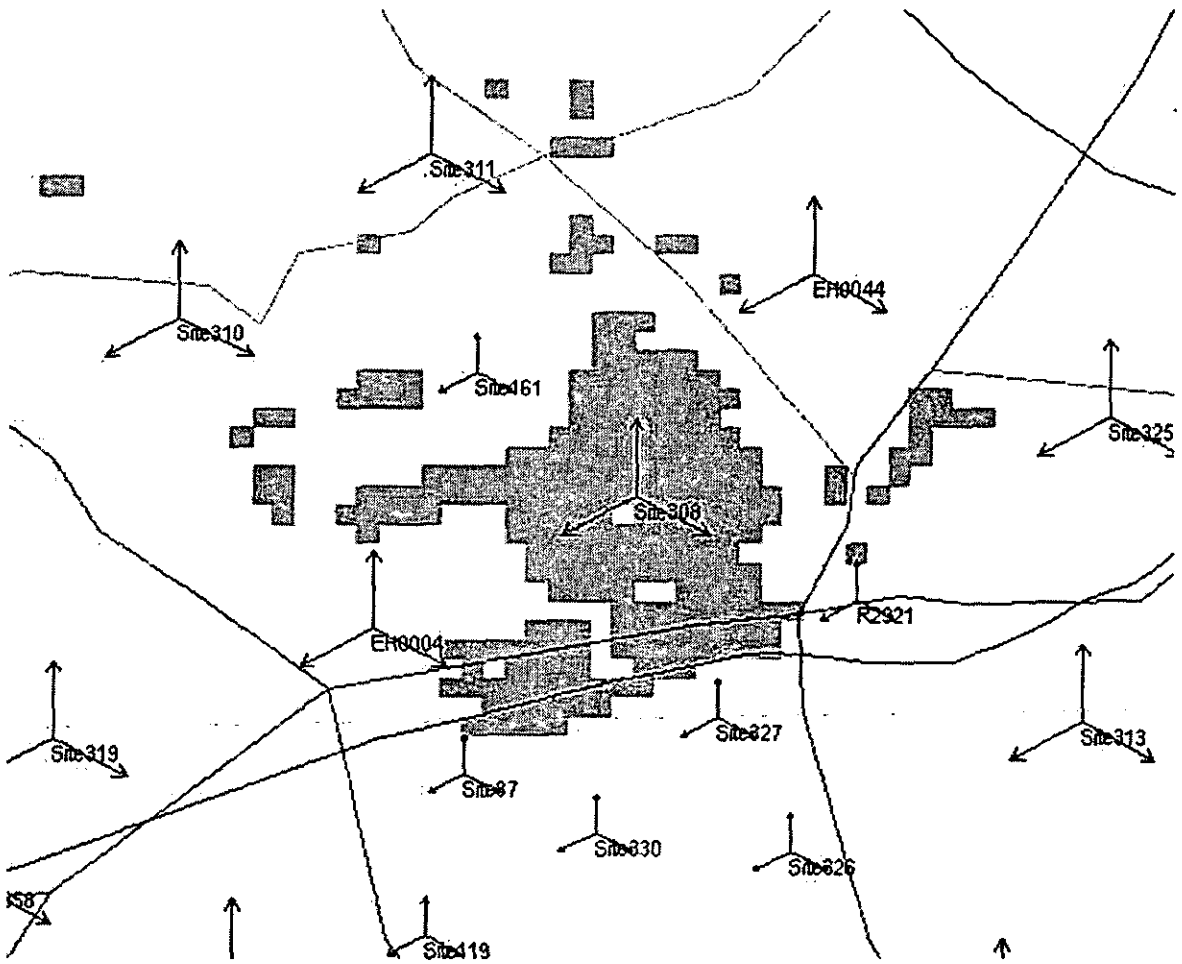
Site Coordinates
Latitude: _____
Longitude: _____

Height of A: 10.00
Frequency: 2.1 Ghz
Transmit Power: _____

Site Address

Post Code _____

Modulation Technique



6 Epidemiological Studies

- Hutchison 3G Supported Research
- Bibliography of Known Non-Ionisation Research

6.1.1 *Books Published Jointly with ICNIRP*

Non-thermal effects of RF electromagnetic fields. R Matthes, JBernhardt and MH Repacholi (eds) Proceedings of Munich meeting, Nov. 1996. ICNIRP Pub. 3/97.

Biological effects of static and ELF fields. R Matthes, JBernhardt and MH Repacholi (eds) Proceedings of Bologna meeting, June 1997. ICNIRP Pub. 4/97.

Risk perception, risk communication and its application to EMF exposure. R Matthes, J Bernhardt and MH Repacholi (eds) Proceedings of Vienna meeting, Oct. 1997. ICNIRP Pub. 5/98.

Health Effects of Electromagnetic Fields in the Frequency Range 300 Hz to 10 MHz. R Matthes, E van Rongen and MH Repacholi (eds) Proceedings of International Meeting, Maastricht, The Netherlands 7-8 June 1999. ICNIRP Pub 8/99.

Effects of Electromagnetic Fields on the Living Environment. R Matthes, JH Bernhardt and MH Repacholi (eds). Proceedings of International Seminar, Ismaning, Germany 4-5 October 1999. ICNIRP Pub 10/2000.

Proceedings of RF meeting in Erice, Sicily being prepared for publication by ICNIRP

Available from:

ICNIRP Scientific Secretary
Bundesamt für Strahlenschutz
Institut für Strahlenhygiene
Ingolstädter Landstraße 1
D-85764 Oberschleißheim, Germany

Tel: +49 89 31603288
Fax: +49 89 316 03289
E-mail: rmatthes@bfs.de

6.1.2 *International Commission on Non-Ionising Radiation Protection (ICNIRP) Publications*

Non-ionizing Radiation: Executive summary of 4th International Non-Ionizing Radiation Workshop. Kyoto, Japan 22-25 May 2000. ICNIRP Publication 9/2000.

Guidelines on limiting exposure to non-ionizing radiation: Reference book of all ICNIRP guidelines and statements. R Matthes, JH Bernhardt and AF McKinlay (eds). ICNIRP publication 7/99

ICNIRP Guidelines: Guidelines for limiting exposure to time-varying electric, magnetic and electromagnetic fields (up to 300 GHz). Health Physics 74 (4): 494-522 (1998).

Non-ionising radiation: Proceedings of the 3rd International Non-Ionising Radiation Workshop, Baden, Austria, April 22-26, 1996. ICNIRP Publication 1/96

ICNIRP Statement: Health issues related to the use of hand-held radiotelephones and base transmitters. ICNIRP, Health Physics **70(4):** 587-593, 1996

ICNIRP Guidelines: Guidelines on limits of exposure to static magnetic fields. Health Physics **66(1):** 100-106, 1994

IRPA Guidelines on protection against non-ionising radiation, Eds. AS Duchêne, JRA Lakey and MH Repacholi, Pergamon Press (now available from McGraw Hill), 1991.

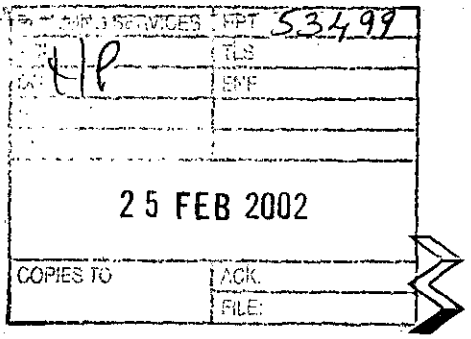
Protection of the patient undergoing a magnetic resonance examination. Health Physics **61(6):** 923-928, 1991

Guidelines on limits of exposure to 50/60 Hz electric and magnetic fields. Health Physics **58(1):** 113-122, 1990

Guidelines on limits of exposure to radio frequency fields. Health Physics **54(1):** 115-123, 1988

Alleged radiation risks from video display terminals. Health Physics **54(2):** 231-232, 1988

The Barton Willmore Planning Partnership - Reading
Beansheaf Farmhouse, Bourne Close, Calcot,
Reading, RG31 7BW.
Tel 0118 943 0000 Fax 0118 943 0002
e-mail: planning@reading.bartonwillmore.co.uk



Barton Willmore
Planning

Wokingham District Council
Council Offices
PO BOX 157
Shute End
Wokingham
BERKSHIRE. RG40 1WR

F/2002/5913

10471/A3/6/RG4077/BS/jav

22nd February 2002

Dear Sir/Madam,

HUTCHISON 3G UK –
PROPOSED DEVELOPMENT AT SIBLY HALL, REDHATCH DRIVE, READING, BERKSHIRE.

We write further to the above application, which we submitted on The 6th February 2002, and provide, enclosed Declaration of ICNIRP compliance from Hutchison 3G UK Ltd in respect to the above proposal. The declaration states that the ICNIRP certificate that was submitted with the original planning application, takes into account the proposed radio frequency exposure from the Hutchison 3G telecommunication facility and all existing operators present on the site, BT Cellnet, Vodafone, One 2 One and Orange.

If you have any queries regarding this matter please contact Mr Steve Fotheringham of Hutchison 3G directly on 01628-590-025.

Yours sincerely

Joanne Dine

PA **BEN STEPHENSON**
Planner

Certificate No. FS 21407

Hutchison 3G UK Limited
Great Brighams Mead
1-9 Vastern Road
Reading
RG1 8DJ

Tel +44 (0)1628 765 000

Hutchison 3G

Mobile multimedia operator of
Hutchison Whampoa Limited

Wokingham District Council,
Council Offices,
PO BOX 157,
Shute End,
Wokingham,
BERKSHIRE. RG40 1WR

Dear Sir/Madam,

RE: "Sibley Court" - Declaration of ICNIRP compliance

I refer to the Declaration of Conformity with ICNIRP Public Exposure Guidelines ("ICNIRP declaration") forwarded to you on behalf of Hutchison3G in relation to the proposed telecommunications facility at the above-mentioned address.

Hutchison3G provides the "ICNIRP Declaration" pursuant to Government recommendations (NRPB ref. B2170). Please note that the "ICNIRP Declaration" attests that the site is designed to be in full compliance with the requirements of the radio frequency (RF) guidelines of the International Commission for Non-Ionising Radio Protection (ICNIRP) for public exposure as expressed in EU Council recommendation of July 1999.

The ICNIRP certificate produced by Hutchison3G takes into account the proposed radio frequency exposure for the Hutchison3G telecommunications facility and all existing operators present onsite; BT Cellnet, Vodafone, One 2 One and Orange.

The radio emission compliance calculation is based upon 'worst case' cumulative values as established by the inter-operator methodology outlined in documents FEI/MTAC/RFCG/28/2000 and 49/2001.

If you have any further enquiries please call Mr Steve Fotheringham of Hutchison3G on 01628-590-025.

Yours sincerely,

pp Steve Fotheringham

Mark J Navolio
Radio Emission Compliance Specialist
Hutchison 3G - National Team

FROM: Helen Pollock

DATE: 20 February 2002

DELEGATED

16 MAR 2002

COPIES TO | ACK: | FILE:

EARLEY TOWN CONSULTATION SHEET

Application Number: F/2002/5913

Proposal: Proposed telecommunications base station comprising 3 antennas, 4 microwave dishes and support cabinet on rooftop..

Site Address: University Of Reading Sibley Hall, Redhatch Drive, Earley, Reading.

Applicant: Hutchinson 3G UK Ltd C/O Barton Willmore Planning P/Ship.

Your observations are required in respect of this application **by 16/03/2002** .

The Town Council remains increasingly concerned about the number of applications for telecommunications equipment on the roof of Sibly Hall. Not only is there concern about the possible health implications to nearby residents, but also the impact the appearance has on the street scene. It is, therefore, requested that this application is refused.

In considering this application, Councillors felt that this would be a good opportunity for the applicants to consider shared use of the equipment already present on the building

SIGNED: _____ DATE: 14 MAR 2002

Clerk To Earley Parish/~~Town~~ Council.

Tel. (0118) 974 6450 (Direct Line)
Fax. (0118) 974 6484
Email. Basia.Polnik@wokingham.gov.uk
Date May 15, 2002
My ref. BP/F/2002/5913
Your ref. 10471/A3.6

Ms J Walters
Senior Planner
The Barton Willmore Planning Partnership
Beansheaf Farmhouse
Bourne Close
Calcot
Reading RG31 7BW

Environmental Services Department
Planning Services
P.O. Box 157
Shute End, Wokingham
Berkshire RG40 1WR
Fax: (0118) 974 6484
Minicom No: (0118) 974 6991
DX: 33506 – Wokingham
http://www.wokingham.gov.uk

Dear Ms Walters

RE: PROPOSED TELECOMMUNICATION EQUIPMENT AT SIBLEY HALL, REDHATCH DRIVE, EARLEY

Further to your facsimile dated 23rd April 2002 I would request that full elevations are submitted showing the revised position of the proposed telecommunication equipment.

Yours sincerely

MRS B POLNIK
Senior Planning Officer

PLANNING SERVICES | HPT 55618
POI | TLS
DC Bkl | ENF
24 APR 2002
COPIES TO | CON
FILE

The Barton Willmore Planning Partnership-Reading
Beansheaf Farmhouse, Bourne Close, Calcot,
Reading. RG31 7BW
Tel 0118 943 0000 Fax 0118 943 0002
e-mail: planning@reading.bartonwillmore.co.uk

FACSIMILE

Barton Willmore
Planning

To:	**Basia Polnik**	From:	**Jennifer Walters**
Company:	**Wokingham DC**	Date:	**23/04/2002**
Fax No:	**0118 974 6484**	Job No:	**10471/A3.6**

Number of pages (including this page): **3**

Message

Dear Mrs Polnik

SIBLEY HALL, REDHATCH DRIVE, READING
PLANNING PERMISSION REF: F/2002/5913

Further to my telephone conversation with one of your colleagues this afternoon, I write in respect of the above recently granted planning permission. The Case Officer for the application was Helen Pollock, who I understand has now left the Council, and I have therefore been directed to you with our query.

Planning permission has been granted for Hutchison to install 3 antenna and 4 microwave dishes on the rooftop of Sibley Hall, however it has transpired that Hutchison cannot install their equipment in all of the locations indicated on the planning application drawings. They need to relocate Antenna A1 and dish DRL2 to a shared position on the north-east edge of the rooftop. I attach extracts from the approved drawing (Issue B1) and the drawing showing the repositioned equipment (Issue B3) for your information.

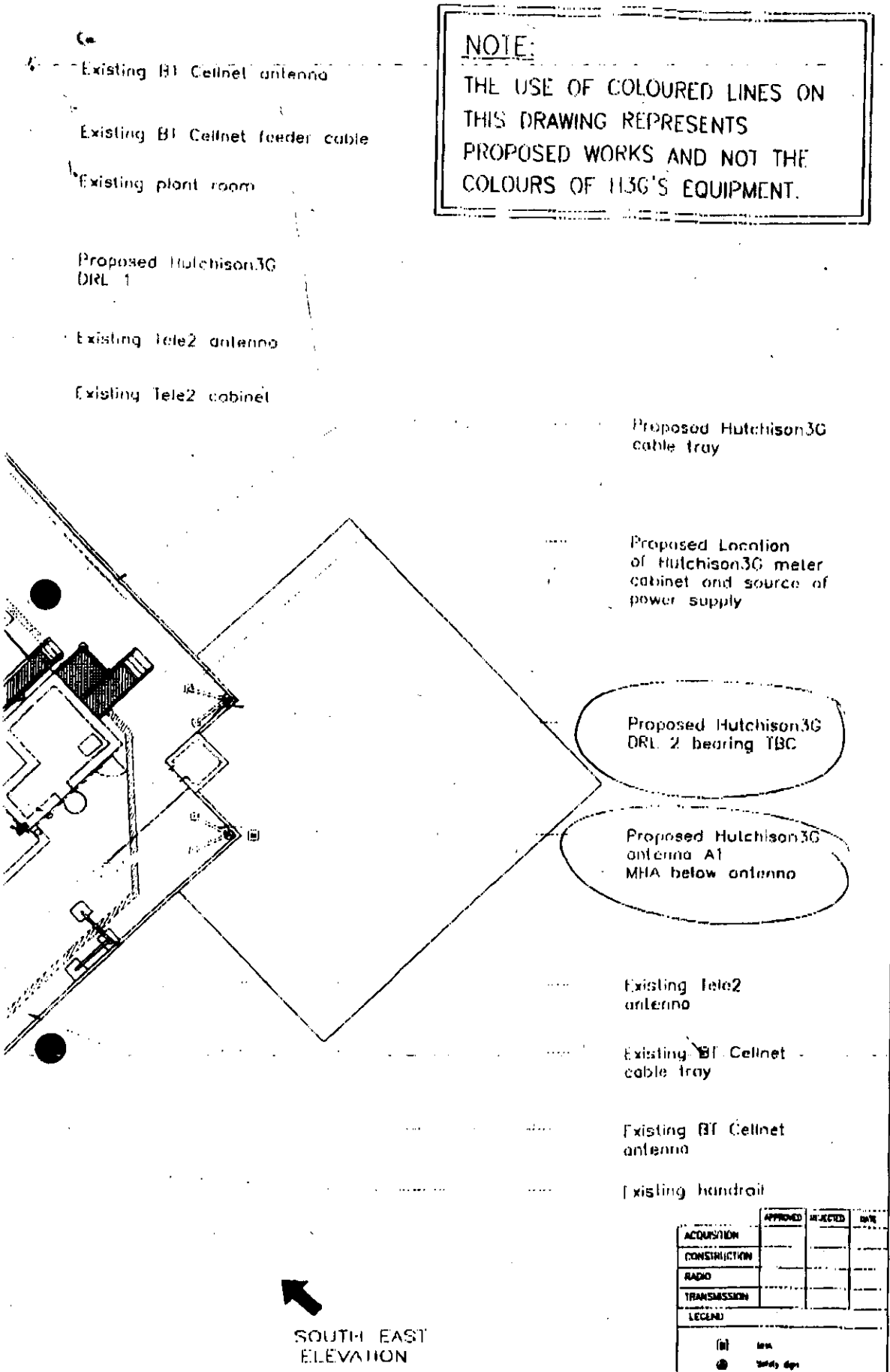
I would be grateful if you could advise whether we would be required to submit a revised planning application due to the proposed alterations, or whether they can be dealt with as amendments to the planning permission.

I look forward to hearing from you.

Yours sincerely

JENNIFER WALTERS
Senior Planner

Revised elevations required (in full)



NOTE:
THE USE OF COLOURED LINES ON THIS DRAWING REPRESENTS PROPOSED WORKS AND NOT THE COLOURS OF H3G'S EQUIPMENT.

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 specified.

PROPOSED HUTCHISON 3G EQUIPMENT

Proposed Cabin/Cabinet Details

Hutchison Ref: NEC NODE B OUTDOOR CABINET
Dimensions:- 1800 x 900 x 1300
Colour:- LIGHT AIRCRAFT GREY BS381C 627

Proposed Site Access/Route

Exit the M4 at J11 and turn onto the B3270. Continue on the B3270 running parallel with the motorway for approx 1mile until you reach the A327. Turn left onto the A327 heading north. Continue North for approx 1 mile and then turn right onto the B3350. At the first island you come to on the B3350 turn right and then first left onto Redhatch Drive. Continue along Redhatch Drive for approx 500mm and then turn right into Sibley Hall(see Location Plan)

Proposed Tower Details

Height:- N/A
Type: N/A
Hutchison Ref:- N/A
Colour:- N/A

Proposed Transmission Details

No.	Size	Hgt	Type	Orientation
DRL 1	600	32.30m	TBC	TBC
DRL 2	600	32.30m	TBC	TBC
DRL 3	600	32.30m	TBC	TBC
DRL 4	600	33.00m	TBC	TBC

(Height is measured to centre of DRL)

Proposed Antenna Details

No.	Size	Hgt	Type	Orientation	Feeder lgth
A1	1.7m	30.90m	R2212	60°	14.00m
B1	1.7m	33.80m	R2212	2.00°	28.20m
C1	1.7m	33.80m	R2212	330°	28.20m

(Antenna height is measured to base of antenna)
(Feeder lengths from Cabin/Cabinet to each antenna)

REV.	DATE	DESCRIPTION	DWN	APP
B1	30/01/02	PLANNING ISSUE	SJS	MDC
A6	28/01/02	MINOR AMENDMENTS	SJS	MDC
A5	28/01/02	MOVE DISH DRL3	SJS	MDC
A4	16/01/02	MOVE ANTENNAS B1 &C1	SJS	MDC
A3	19/12/01	NEW DRAWING NUMBER & SCHEDULE	SJS	MDC
A2	14/12/01	REVISED TITLE BLOCK	SJS	MDC
A1	06/12/01	PRELIMINARY ISSUE	SJS	MDC

Hutchison 3G

Hutchison 3G UK Limited

SMITH WOOLLEY TELECOM

34 BARTON STREET
BATH
BA1 1NG
TEL: 01225 [illegible]
FAX: 01225 [illegible]
EMAIL: [illegible]

	APPROVED	REJECTED	DATE
ACQUISITION			
CONSTRUCTION			
RADIO			
TRANSMISSION			

LEGEND

- Lock
- Safety digs
- Existing external light
- Proposed external light
- Proposed Anchor Point
- Proposed Excluded Zone
- Proposed Power/Generator Bunks
- Proposed access to cabin
- Proposed Guide Rail
- Proposed Hand Rail
- Existing Hand Rail
- Proposed Chemypicker location
- Proposed Cable Tray

Site: SIBLEY HALL , REDHATCH DRIVE
READING
BERKSHIRE
RG6 5YU

Title: SITE PLAN

Purpose of Issue: PLANNING

Drawing no.: 00195009-112

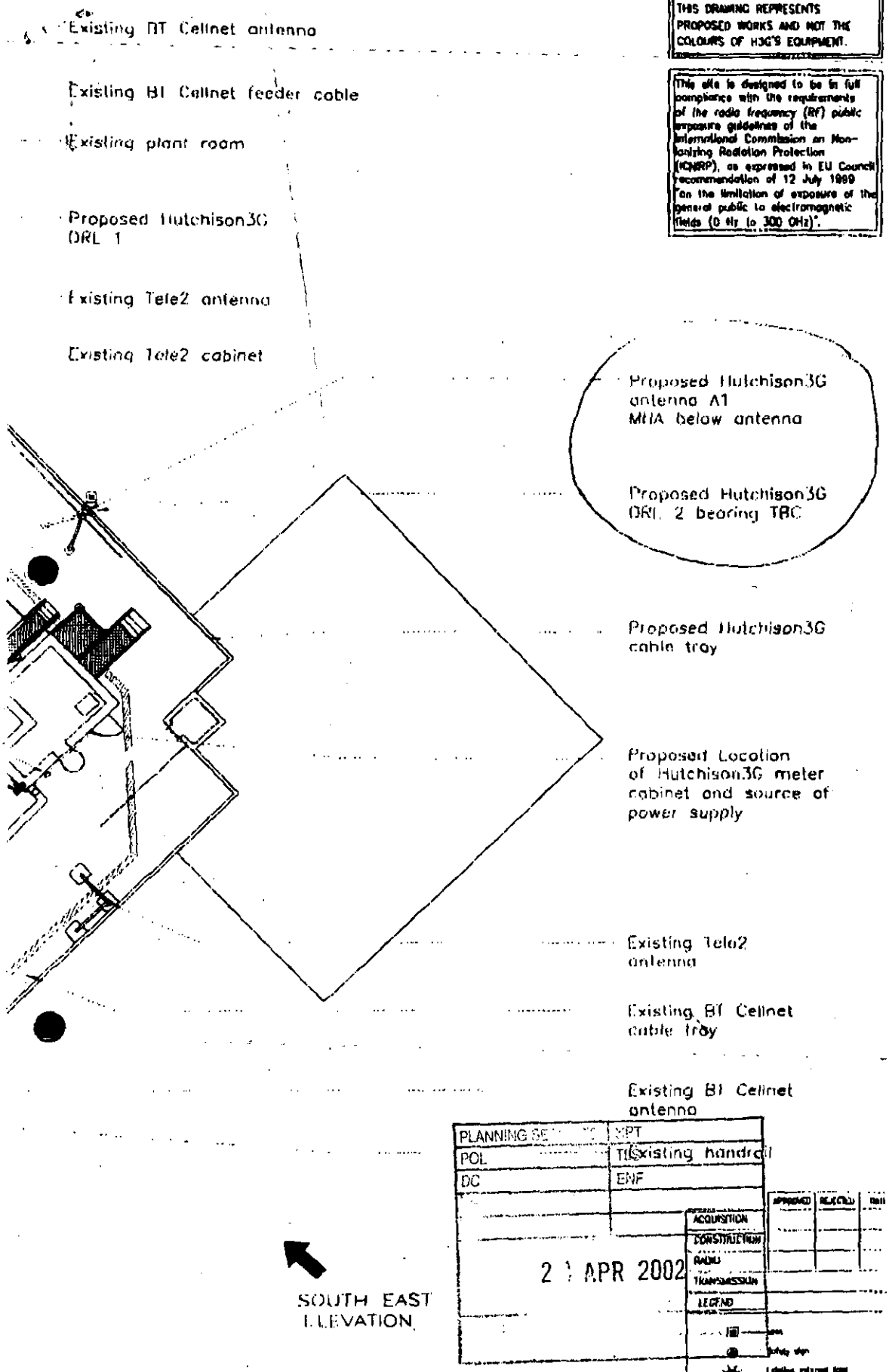
Site ID: 00195009

Nominal ID: RG 4077

Issue	Scale	Drawn	Checked	Date
B1	AS SHOWN		MD	12/01
	Date 05/12/01		MDC	12/01

Consultant ref no: CAM5004H

APPROVED DRAWING F/2002/5913



NOTE:
THE USE OF COLOURED LINES ON THIS DRAWING REPRESENTS PROPOSED WORKS AND NOT THE COLOURS OF H3G'S EQUIPMENT.

This site is designed to be in full compliance with the requirements of the radio frequency (RF) public exposure guidelines of the International Commission on Non-Ionizing Radiation Protection (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)".

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 specified.

PROPOSED HUTCHISON 3G EQUIPMENT

Proposed Cabin/Cabinet Details
Hutchison Ref. - NEC NODE B OUTDOOR CABINET
Dimensions: - 1800 x 900 x 1300
Colour: - LIGHT AIRCRAFT GREY RS391C 627

Proposed Site Access/Route
Exit the M4 at J11 and turn onto the B3270. Continue on the B3270 running parallel with the motorway for approx 1mile until you reach the A327. Turn left onto the A327 heading north. Continue North for approx 1 mile and then turn right onto the B3350. At the first island you come to on the B3350 turn right and then first left onto Redhatch Drive. Continue along Redhatch Drive for approx 500mm and then turn right into Sibley Hall(see Location Plan)

Proposed Tower Details
Height: N/A
Type:- N/A
Hutchison Ref:- N/A
Colour N/A

Proposed Transmission Details

No.	Size	Hgt	Type	Orientation
DRL 1	600	32.30m	TBC	TBC
DRL 2	600	30.90m	TBC	TBC
DRL 3	600	32.30m	TBC	TBC
DRL 4	600	33.00m	TBC	TBC

(Height is measured to centre of DRL)

Proposed Antenna Details

No.	Size	Hgt	Type	Orientation	Feeder Hgt
A1	1.7m	33.70m	R2212	60°	28.00m
B1	1.7m	33.80m	R2212	230°	28.20m
C1	1.7m	33.80m	R2212	330°	28.20m

(Antenna height is measured to base of antenna)
(Feeder lengths from Cabin/Cabinet to each antenna)

REV.	DATE	DESCRIPTION	CHK	APP
B3	[illegible]	REVISED A1 & DRL2 POSITION	SJS	MD
B2	[illegible]	REVISED A1 POSITION	SJS	MD
B1	[illegible]	PLANNING ISSUE	SJS	MD
A6	[illegible]	MINOR AMENDMENTS	SJS	MD
A5	[illegible]	MINOR DRAWING	SJS	MD
A4	[illegible]	MINOR AMENDMENTS BY ACT	SJS	MD
A3	[illegible]	NEW DRAWING NUMBER & SCHEDULE	SJS	MD
A2	[illegible]	REVISED TITLE BLOCK	SJS	MD
A1	[illegible]	PRELIMINARY ISSUE	SJS	MD

Hutchison 3G

SMITH WOOLLEY TELECOM

Site: SIBLEY HALL, REDHATCH DRIVE
READING
BERKSHIRE
RG6 5YU

Title: SITE PLAN

Purpose of Issue: PLANNING

Drawing no: 00195009-112

Site ID: 00195009

Nominal ID: RG 4077

Issue: D3 | Scale: AS SHOWN | Checked: SJS | Date: 12/01
Drawn: [illegible] | Date: 05/12/01 | Approved: MDC | Date: 12/01

Consultant ref no: CAM5004H

PLANNING SE[illegible]	XPT
POL	TE
DC	ENF

2 [illegible] APR 2002

	APPROVED	REJECTED	DATE
ACQUISITION			
CONSTRUCTION			
RADIO			
TRANSMISSION			
LEGEND			

- Lines
- Safety sign
- Existing external light
- Proposed external light
- Proposed Anchor Point
- Proposed Power/Generator Route
- Proposed Access to cabin
- Proposed Radio Rail
- Proposed Hand Rail
- Existing Hand Rail
- Proposed Chemyplate location
- Proposed Cable Tray

REVISED DRAWING, SHOWING REPOSITIONED ANTENNA A1 + DISH DRL 2.

Hutchison 3G

PLANNING APPLICATION CHECKLIST 14 FEB 2002* 5913

Site details

Site Name	**Sibley Hall**	**Site Address**	**Sibley Hall, Redhatch Drive, Earley, Berkshire, RG6 5YU**
NGR	**474344 170696**		
Site Ref Number	**RG4077**	**Date**	**8/02/02**
Site Type[1]	**MACRO**		

Check list

1. Date of last pre-rollout information exchange with local planners	28th November 2001
2. Name of LPA contact	Mr A. Cronin
3. Comments – Barton Willmore on behalf of Hutchison 3G have sought to arrange a pre roll out meeting, and were advised that this arrangement would not be appropriate at this stage.	

4. Date of written offer of pre-application consultation with local planners?	28/11/01	
5. Was there a pre-application meeting with local planners	NO	
6. Date of meeting or consultation with local planners	N/A	
7. Name of LPA contact	N/A	
8. Results of consultation N/A		

9. Was the LPA register of sites checked for suitable sites?		**No**
(if no explain why) No such register exists.		
10. Was the Industry (OPD)database checked for suitable sites? (if no explain why)	**Yes**	
11. Reasons why site required (e.g. Coverage, capacity) Is a copy of the search area plan available for inclusion? For coverage purposes. Coverage Simulations enclosed.		

[1] Macro or micro

Site selection process – alternative sites considered and not chosen if there are no alternatives explain why.

Site[2]	Site Name and address	NGR	Reason for not choosing[3]
1	Thames Water Pumping Station.	473750/170600	Structure found to be unsuitable structurally.

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

Technical information

1. Declaration of conformity with ICNIRP public exposure guidelines attached	**yes**	
2. Coverage plots attached	**yes**	
3. Planning drawings/ photo montages (where appropriate) attached	**yes**	

4. Frequency	**2100 MHz**
5. Modulation characteristics	**Standard information attached**
6. Power output	**62 dBm**
7. Height of antenna (m) AGL	**30.90 m**

Reason for choice of design – including technical/environmental design criteria
Existing telecommunication site.

Additional proposed community consultation (if applicable)
N/A

Additional relevant information
N/A

Signed _____ **Date** **08/02/02**

Position **Planner** **Company** **Barton Willmore Planning Partnership.**

On behalf of Hutchison 3G UK

Hutchison 3G

Declaration of Conformity with ICNIRP Public Exposure Guidelines ("ICNIRP Declaration")

Hutchison 3G UK
Star House, 20 Grenfell Island
Maidenhead, SL6 1EH

14.FEB.2002 5913

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

Sibley Court
Redhatch Drive, Reading, Berkshire
RG6 5YU

Nominal ID:	**RG4077**
Candidate ID:	**00195009**
Drawing No:	**00195009-112**
Issue No:	**B1**

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

* Reference: 1999/519/EC

Date: **5-Feb-2002**

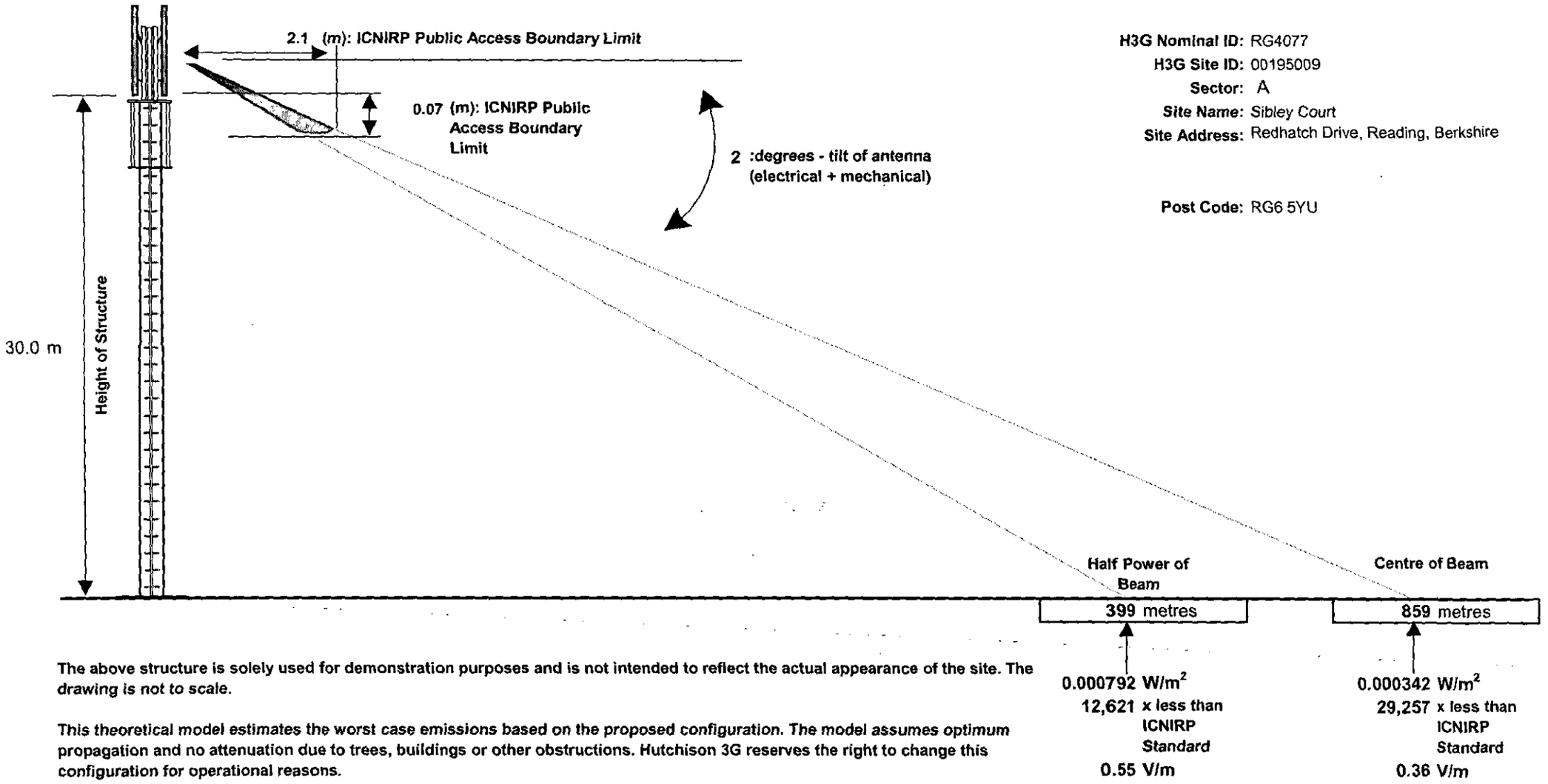
Signed By: [signature]

Name: TAIC CHANG FUNG

Position: RADIO PLANNER

Emissions Profile

Hutchison 3G



H3G Nominal ID: RG4077
H3G Site ID: 00195009
Sector: A
Site Name: Sibley Court
Site Address: Redhatch Drive, Reading, Berkshire

Post Code: RG6 5YU

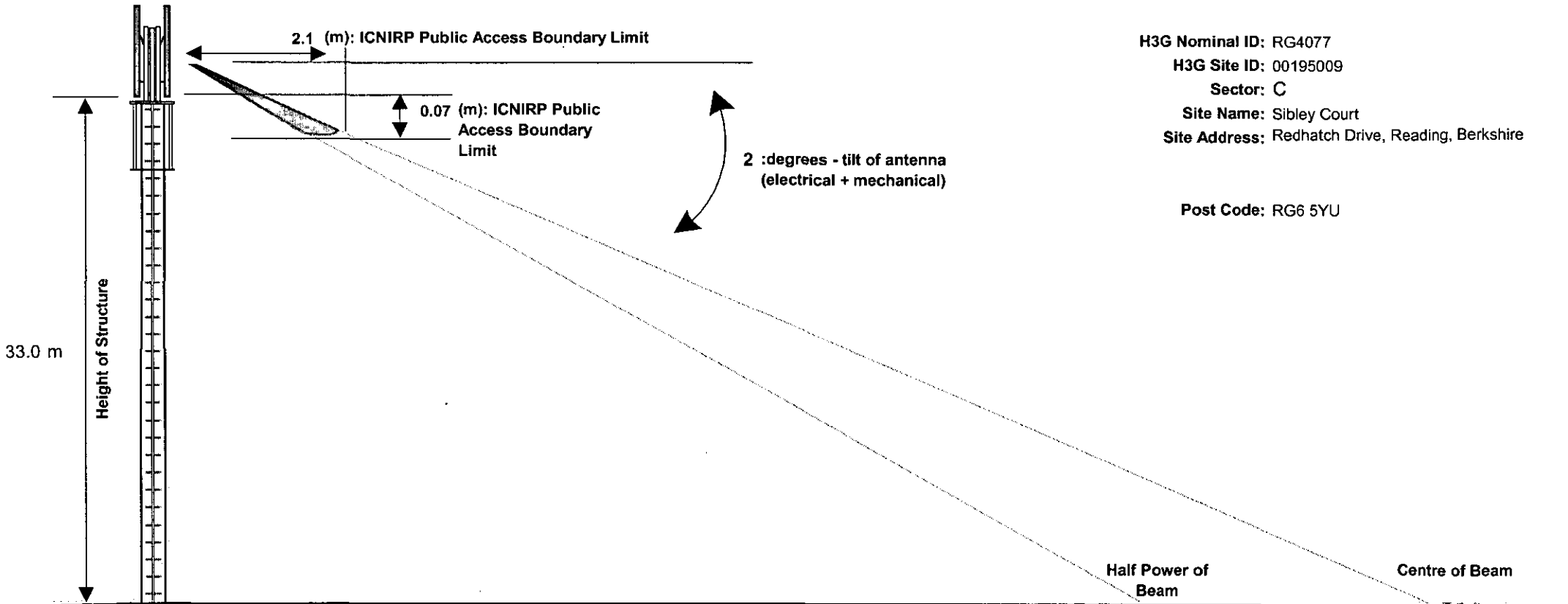
The above structure is solely used for demonstration purposes and is not intended to reflect the actual appearance of the site. The drawing is not to scale.

This theoretical model estimates the worst case emissions based on the proposed configuration. The model assumes optimum propagation and no attenuation due to trees, buildings or other obstructions. Hutchison 3G reserves the right to change this configuration for operational reasons.

The calculations have been completed in accordance with the Stewart Report guidelines [ref. 4.30-4.36].

Emissions Profile

Hutchison 3G



H3G Nominal ID: RG4077
H3G Site ID: 00195009
Sector: C
Site Name: Sibley Court
Site Address: Redhatch Drive, Reading, Berkshire

Post Code: RG6 5YU

0.000655 W/m²
15,272 x less than ICNIRP Standard
0.50 V/m

0.000282 W/m²
35,401 x less than ICNIRP Standard
0.33 V/m

The above structure is solely used for demonstration purposes and is not intended to reflect the actual appearance of the site. The drawing is not to scale.

This theoretical model estimates the worst case emissions based on the proposed configuration. The model assumes optimum propagation and no attenuation due to trees, buildings or other obstructions. Hutchison 3G reserves the right to change this configuration for operational reasons.

The calculations have been completed in accordance with the Stewart Report guidelines [ref. 4.30-4.36].

Realised

DEVELOPMENT CONTROL/BUILDING CONTROL CHECKLIST

CHECKLIST WHEN A BUILDING REGULATION APPLICATION HAS BEEN RECEIVED.

SITE DETAILS		CASE OFFICER
PLANNING APPLICATION NUMBER	5913	HP
BUILDING CONTROL NUMBER.	HP 2002/3107 Central	
~~APPLICANT~~/AGENT	Smith Woolley Telecom.	
ADDRESS OF SITE	Sibley Hall Redhatch Drive EARLEY.	
DESCRIPTION OF PROPOSED WORK	roof top telecommunications installation, including support poles + equipment cabinet	

DRAWING NUMBERS	BC	DC
BLOCK PLAN	00195009-212	00195009-112
ELEVATIONS		
FLOOR PLANS		

CHECKLIST	1ST CHECK	2ND CHECK
PERMITTED DEVELOPMENT		
APPLIC. NECESSARY-NOT RECEIVED		
APPLIC.RECEIVED & APPROVED	4/4/02.	
APPLIC.RECEIVED-NO DECISION		
APPLIC.REFUSED		
DIFFERENCES BETWEEN DC/BC DRAWINGS		
IF YES, WHAT ARE THE DIFFERENCES ?		
DATE	21/3/02	

PROBLEMS	REQUESTED	RECEIVED	REMINDER
PLANNING PERMISSION NEEDED			
REVISED PLANS NEEDED	15/5/02.	23/5/02	
PLANNING APPLIC.REFUSED			
WAIT FOR PLANNING DECISION			

COMMENCED ON SITE	
NO PLANNING DECISION	
NO PLANNING APPLICATION	

WOKINGHAM UNITARY
Aiming for Excellence

Applicationo	Name & Address
F/2002/5913	Mrs J Thorpe 66 Redhatch Drive EARLEY RG6 5QR
F/2002/5913	M A McDonald 26 Somerton Gardens EARLEY RG6 5XG
F/2002/5913	Mr C Keen 6 Fulmer Close Earley Berks
F/2002/5913	Dr & Mrs P K Bishop 22 Clevedon Drive Earley Reading RG6 5XE
Application Approved	Letters sent 09.04.02

WORK SHEET FOR : Helen Pollock

Application Number : F/2002/5913

Applicant : Hutchinson 3G UK Ltd C/O Barton Willmore Planning P/Ship.

Location : University Of Reading Sibley Hall, Redhatch Drive, Earley, Reading.

Proposal : Proposed telecommunications base station comprising 3 antennas, 4 microwave dishes and support cabinet on rooftop.

Site Notice Displayed ? :

YES	NO	DATE
✓		18/03/02

Date of Neighbour Notifications : .....

Date of Site Visit : .....

Date Registered : 14/02/2002

Earliest Date for Decision : 16/03/2002

Latest Consultation Date/Site Notice Expiry Date : 16/03/2002

This application will have expired on: 11/04/2002. You need to make a decision 1 day prior to this date for this application to count as determined in less than 8 weeks.

Consultation Responses :

E.H : No objections

5x neighbour obs. → Health
Visual Impact
TV Interference
Enough equipment already in situ

Earley T.C : Increasing concerned over n° of masts → Health, Visual Impact
recommend refusal → Suggest sharing of existing equipment.

Planning Issues :

Application Number: F/2002/5913

Appraisal :

This application is for the proposed erection of 3 directional antennas, 4 microwave dishes + a support Cabin on the rooftop. The tolest piece of equipment would be 4.8m in height, which is about average for most of the equipment already on the building.

There are already numerous masts and equipment cabins on the site and the proposed extensions would have no significant impact upon the surrounding area. The closest residential properties to the proposal are around 60m away from the proposals + would not be adversly effected by the proposed additional equipment.

Recomendation : Approval: ☑ **Refusal:** ☐
(tick appropriate box)

Application Number F/2002/5913
Conditions/Reasons for Refusal

No	Std Con	Std Reas	Non Std Conditions / Reasons for Refusal
1	COS1	R001.	

RECORD OF SITE VISIT

SITE ADDRESS: University Of Reading
Sibley Hall Redhatch Drive Earley
Reading.

APPLICATION NUMBER: F/2002/5913

OFFICER: Helen Pollock

DATE OF SITE VISIT: 18/03/02

1 SITE/STATUTORY NOTICE DISPLAYED ? Yes.

2. DESCRIPTION OF SURROUNDINGS

Residential

3. DESCRIPTION OF SITE/BUILDING

University halls of residence → See Photos.

4. RELATIONSHIP TO ADJOINING PROPERTIES

closest property ≈ 60m away → See map.

5. SITE CONSTRAINTS

TREES

ACCESS/PARKING

LEVELS

BOUNDARY TREATMENT

OTHERS

Tel: 0118 974 6480

Date: 22/03/02

My ref: F/2002/5913

WOKINGHAM UNITARY
Aiming for Excellence

Environmental Services Department
Planning Services
P.O. Box 157
Shute End, Wokingham
Berkshire RG40 1WR
Tel: (0118) 974 6000
Fax: (0118) 974 6484
Minicom No: (0118) 974 6991
DX: 33506 – Wokingham

CONFIDENTIAL

Councillor F Rolls
14 Tiptree Close
Earley
RG6 4HS

Dear Councillor

Application Number: F/2002/5913
University Of Reading Sibley Hall, Redhatch Drive, Earley, Reading.
Proposed telecommunications base station comprising 3 antennas, 4 microwave dishes and support cabinet on rooftop.

I write to let you know that the above mentioned application has been recommended for APPROVAL: ☑ ~~REFUSAL:~~ ☐ under delegated powers.

If you have any questions please do not hesitate to contact **Helen Pollock** on **0118 974 6480**. If you then feel the application needs to be transferred to the next available Development Control Committee for decision please fill in the form below.
This form must be received no later than 02/04/02

Yours faithfully

T G Watson

Principal Development Control Officer

LISTING FORM

Case officer: **Helen Pollock** Application Number: **F/2002/5913**
University Of Reading Sibley Hall, Redhatch Drive, Earley, Reading.
Proposed telecommunications base station comprising 3 antennas, 4 microwave dishes and support cabinet on rooftop.

Transfer: Yes ☐ No ☐
Reason for Transfer:

_____

_____

Signed: _____ Date: _____

Councillor F Rolls

NB. It would be helpful for speedy decision making if you could respond, even if you do not wish this application to be transferred.

Tel: 0118 974 6480

Date: 22/03/02

My ref: F/2002/5913

CONFIDENTIAL

WOKINGHAM UNITARY
Aiming for Excellence

Environmental Services Department
Planning Services
P.O. Box 157
Shute End, Wokingham
Berkshire RG40 1WR
Tel: (0118) 974 6000
Fax: (0118) 974 6484
Minicom No: (0118) 974 6991
DX: 33506 – Wokingham

Councillor A Spratling
18 Moor Copse Close
Earley
RG6 7NA

Dear Councillor

Application Number: F/2002/5913
University Of Reading Sibley Hall, Redhatch Drive, Earley, Reading.
Proposed telecommunications base station comprising 3 antennas, 4 microwave dishes and support cabinet on rooftop..

I write to let you know that the above mentioned application has been recommended for APPROVAL: ☑ ~~REFUSAL:~~ ☐ under delegated powers.

If you have any questions please do not hesitate to contact **Helen Pollock** on **0118 974 6480**. If you then feel the application needs to be transferred to the next available Development Control Committee for decision please contact the Councillor for your area responsible for planning matters as soon as possible

Yours faithfully

T Gibson

pp Principal Development Control Officer

Tel: 0118 974 6480

Date: 22/03/02

My ref: F/2002/5913

CONFIDENTIAL

WOKINGHAM UNITARY
Aiming for Excellence

Environmental Services De partment
Planning Services
P.O. Box 157
Shute End, Wokingham
Berkshire RG40 1WR
Tel: (0118) 974 6000
Fax: (0118) 974 6484
Minicom No: (0118) 974 6991
DX: 33506 – Wokingham

Councillor D Hare
9 Easby Way
Lower Earley
RG6 3XA

Dear Councillor

Application Number: F/2002/5913
University Of Reading Sibley Hall, Redhatch Drive, Earley, Reading.
Proposed telecommunications base station comprising 3 antennas, 4 microwave dishes and support cabinet on rooftop..

I write to let you know that the above mentioned application has been recommended for APPROVAL: ☑ ~~REFUSAL:~~ ☐ under delegated powers.

If you have any questions please do not hesitate to contact **Helen Pollock** on **0118 974 6480**. If you then feel the application needs to be transferred to the next available Development Control Committee for decision please contact the Councillor for your area responsible for planning matters as soon as possible

Yours faithfully

pp Principal Development Control Officer

OBS 6, FULMER CLOSE
EARLEY
READING
BERKSHIRE
TEL 9860411

PLANNING SERVICES	HPI
AP	
APP HP	
CS	
06 MAR 2002	
COPIES TO	ACK: ✓
	FILE:

REF. F/2002/5913.

DEAR MADAM,

I RECEIVED A LETTER REGARDING PROPOSED SIGHTINGS OF ANTENNAS ETC, ON THE ROOF OF SIBLEY HALL. RED HATCH DRIVE WE LIVE IN THE CLOSE BACKING ONTO THE COPSE. ALLSO SIBLEY HALL WITH ALL OF IT'S MASTS. ETC.

WE ARE AGAINST ALL OF THESE PROPOSALS. I HAVE WRITTEN BEFORE BUT HAVE HAD NO REPLY. SO FAR I RANG YOU LAST WEEK. BUT YOU WERE OUT AND WAS TOLD YOU WOULD RING ME BACK, SO FAR I HAVE NOT HEARD ANYTHING.

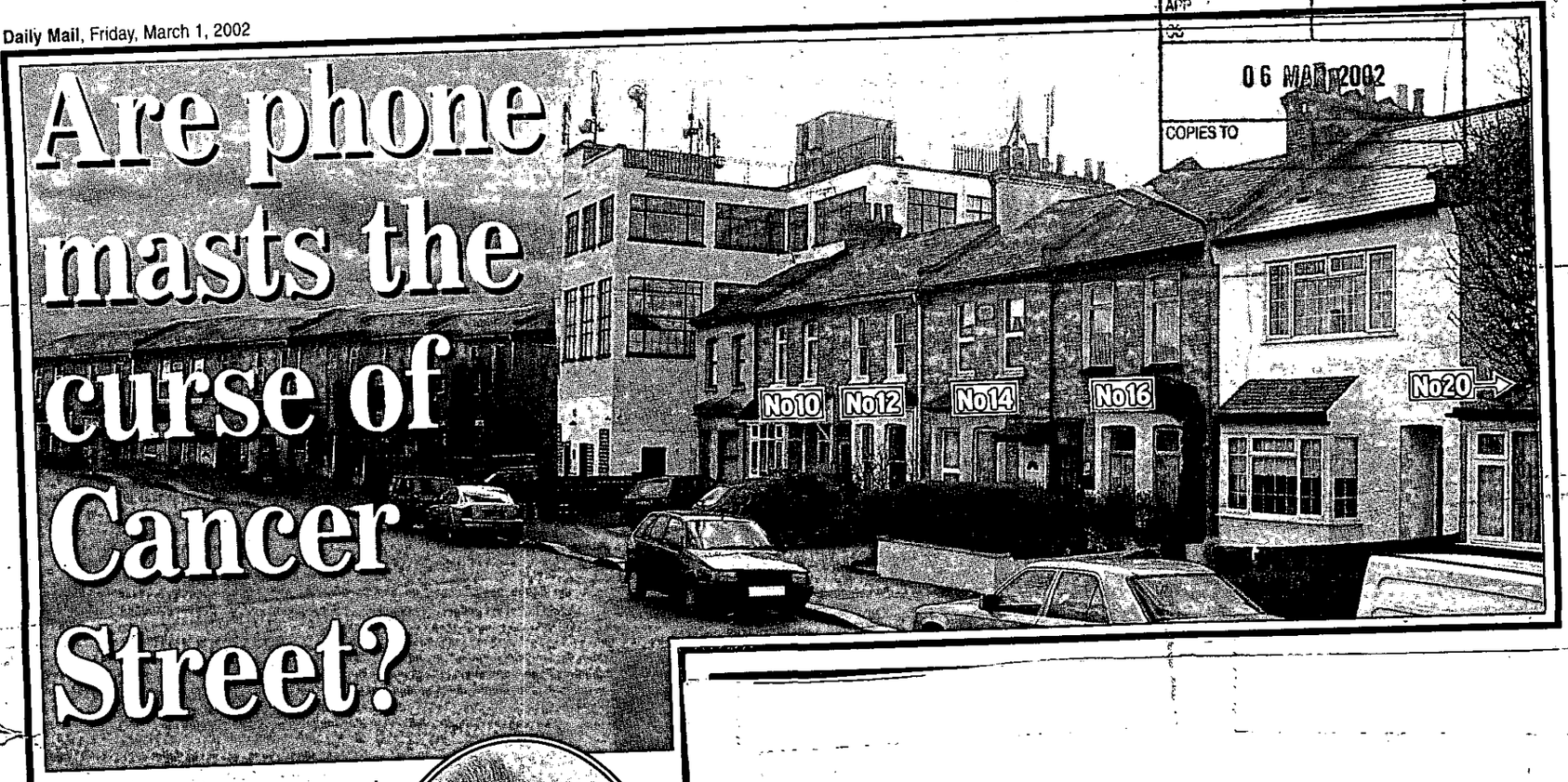
ENCLOSED ARE PAPERS THAT DO NOT BACK UP ANY OF YOUR PROPOSALS.

YOURS FAITHFULLY.

MR. C. KEEN.

PLANNING SERVICES | HPT
POL | TLS
DC | ENF
APP |
SS |
06 MAR 2002
COPIES TO

Are phone masts the curse of Cancer Street?



By **James Chapman** and **James Orr**

SCIENTISTS are checking mobile phone masts in a road dubbed 'cancer street'.

Five people in Carnarvon Road, East London, have developed the disease in the last seven years.

All live within 30 yards of a three-storey building with 16 phone masts on its roof.

Now Redbridge Council has called in experts from the National Radiological Protection Board to measure radiation in the street.

The £3,250 study could have important implications for people living near the tens of thousands of masts which have sprung up across the UK.

Growing numbers of people are blaming their microwave radiation for health problems and some scientists believe there could be a link, although there is as yet no direct evidence.

The Carnarvon Street victims live in the group of houses nearest to the masts, which first appeared in 1995.

Number 10: Mrs Alfreda Cousins, believed to be in her fifties, and said by neighbours to be 'very ill indeed'. She suffered from breast cancer and may now have a second type.



Constance Nash: Up in arms

'It does make me fearful'

Number 12: Retired art teacher and painter Constance Nash, 80, was diagnosed with breast cancer last year and has undergone two operations and gruelling radiotherapy.

She said yesterday: 'There is no history of cancer in my family and I think there could be a link between my illness and the masts.

'The first mast sort of crept up and by Christmas there were 16. We are up in arms about them. We need much more control as to where they are erected.'

Number 14: A 52-year-old woman, who does not want to be named, was diagnosed with breast cancer seven years ago. She has since had an operation to remove a lump and been given radiotherapy.

She said: 'I am trying to be reasonable and not jump to conclusions but none of the people I know had cancer before the masts went up. There seems to be a lot of conflicting information about radiation and it needs to be investigated.

'I think masts should be placed a certain distance away from residential areas – that's a reasonable approach. People's health is more important than money.'

Number 16: A 49-year-old teacher, who also did not wish to be named, was diagnosed with thyroid cancer four years ago. Her treatment was successful but she has to have regular check-ups.

Number 20: James Parish, 73, diagnosed with bowel cancer five years ago. He had one operation which appears to have caught the disease in time. He is hoping soon to receive the all-clear from his doctors.

Mr Parish and his wife Beryl thought they were just unlucky until they started to hear cancer stories from their neighbours.

'When everybody else started getting it, we began to wonder,' said Mrs Parish. 'The masts are just one big eyesore. If you go in the back garden you can see them, if you go in the front garden you can see them, they are in your face all the time.

'There are young children living in the road now and it does make me fearful. I wouldn't like it to happen to my grandchildren.'

A council spokesman said: 'The concerns began about a year ago when people on the street got together and realised that a number of them had contracted cancer.

'The problem is that we cannot refuse planning applications for masts on health grounds. The current law means that companies can put a mast up and only have to inform us. We then have 56 days to refuse the application.'

The man leading the NRPB investigation, Dr Michael Clark, said initial readings had uncovered 'nothing unusual' in the street.

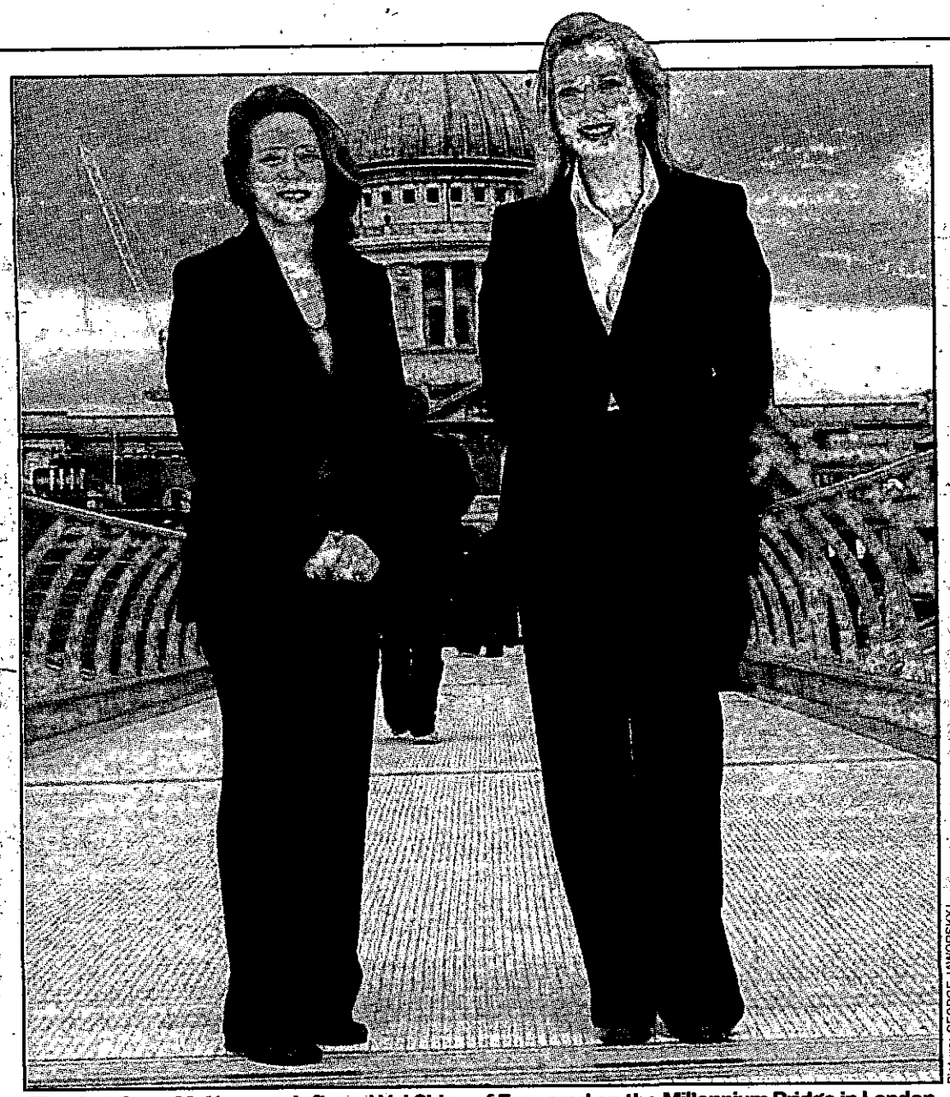
He said: 'We do measurements of this kind all over the country and the levels we find are typically between 1,000 and 10,000 times below international safety guidelines. That is what we are finding in this street.

'Unfortunately one in three people gets cancer in their lives and you can get clusters for no particular reason. There are a lot of houses here and what may seem like a cluster could be down to nothing more than chance.'

Dr Clark said his team's full findings would be handed to Redbridge Council in three weeks' time.

A recent NRPB report gave phone masts the all-clear after studying more than 100 and concluding that levels of microwave radiation were well within safety limits.

j.chapman@dailymail.co.uk



Picture: GEORGE JAWORSKYJ

Floating: Anne McNamara, left, and Val Chinn of Fsquared on the Millennium Bridge in London

The Big Shares Issue...

THE two women who ran the homeless magazine, The Big Issue In The North, are to float their investment firm on the Alternative Investment Market this month. Anne McNamara and Val Chinn have set up Fsquared, 'finance fair and square', to invest in ethical companies such as those in healthcare or dealing with social issues.

McNamara, 33, who co-founded the magazine in Manchester in 1992, will be chairman and Val Chinn, who ran it, chief executive. About 30 per cent of the shares will go to private investors and the pair hope to raise £20 million.

By Sarah Bridge

McNamara says: 'We will invest in firms that put more into the community than others in their sector and have rapid-growth potential.

'Many "social businesses" cannot grow because they can't get funding and they don't want a bank loan. Fsquared will meet that need.'

Banks facing shipyard claim

CRISIS-hit Harland & Wolff has launched a £199 million claim against two of Britain's biggest banks to recoup huge losses on a drilling rig deal that went disastrously wrong.

The legal action against subsidiaries of Barclays and Lloyds TSB is seen as the final throw of the dice in the Belfast shipyard's long struggle for survival.

'Our future is now in the hands of Barclays and Lloyds,' an executive told Financial Mail. 'We hope they will accept their responsibilities as the owners of these rigs.'

Barclays and Lloyds TSB financed the purchase of the two offshore drilling ships by American company Global Marine, now part of the GlobalSantaFe company. It operates the vessels under 20-year leases, but the banks own them.

The H&W claim stems from a dispute between it and Global Marine. The Belfast shipbuilder says the cost of building the drilling ships soared far beyond original estimates because Global demanded expensive changes. 'It was as though they had ordered a Mini but refused to leave without a BMW,' said the H&W executive.

By Lisa Buckingham

Barclays and Lloyds TSB claim they are third parties in the affair. So far, neither has agreed to negotiate with the yard. But they will almost certainly have to pay up if H&W succeeds, then try to recover the cash from GlobalSantaFe.

The claim is nearly £70 million more than H&W initially estimated it was out of pocket.

The yard's problem is that arbitration on the claim could take more than 18 months, but it will have to lay off workers from June unless it wins new orders.

'We would prefer a meaningful discussion instead of going through a lengthy and costly arbitration process,' said a spokesman for H&W, in which Norwegian maritime group Fred Olsen is a majority shareholder.

'We are ready to go to arbitration – but by then we could be looking at the closure of the company.'

H&W has been paid £65 million by GlobalSantaFe and this will be deducted from any settlement from the two banks if it wins its claim. If it loses, it will have to repay the £65 million and would certainly go bankrupt.

It has a core staff of 500 – down from 35,000 in its heyday – and will have no work after it finishes two roll-on roll-off ferries for the Ministry of Defence. With its financial future in doubt, firms are unlikely to place orders that might take two to three years to complete.

Barclays said: 'We are sensitive to the issues but our hands are tied. We may have legal title to the vessels, but really we are passive partners.'

Iceland boss moves to soothe investors over funding fears

By Ben Laurance and Teena Lyons

BIG Food Group, the renamed Iceland, will unveil plans this week to raise money through a bond issue and by borrowing against property.

The troubled retailer is desperate to kill off speculation that it is about to ask shareholders for more cash.

BFG needs the extra money to add about 80 new Iceland outlets to its network, expand delivery services from its Booker cash-and-carry outlets and rejig the way it distributes groceries to customers who want their orders delivered.

There have been persistent suggestions that Iceland will have to bolster its finances through a rights issue.

But on Wednesday, chief executive Bill Grimsey will kill off the idea. Instead, he will outline plans to sell some of BFG's properties and then lease them back.

It is thought that the manouevre could raise around £150 million. The company's balance sheet valued its property portfolio at just over £300 million.

On top of that, Grimsey is expected to signal that he is prepared to tap the bond markets to raise further money.



Cash-hungry: Iceland's Bill Grimsey

BFG will also give a progress report on how trading is going at its 760 Iceland stores.

Investors suspect the figures will show that the company had a poor start to the year. It is already known that the frozen-food chain struggled in December and January.

STAKEHOLDER PENSION. ISA.

Ethical investment.
Now easily available.



Direct Line now offers a fund that invests only in companies included in the FTSE4GOOD UK 50 Index. These companies follow strict rules on the environment and human rights. Whether you invest in this fund for your ISA or your Stakeholder Pension, our charges are always clear and simple. So call now for an investment with a clearer conscience.

0845 246 8258
call or buy online
directline.com
DIRECT LINE

Stakeholder Pensions are provided by Direct Line Life Insurance Company Limited and ISAs provided by Direct Line Unit Trusts Limited, both of 14 - 18 Cadogan Street, Glasgow G2 6QN. For your added security all telephone calls are recorded. Both companies are regulated by The Financial Services Authority. They market only their own products and do not offer advice nor make recommendations about investments. Direct Line and the telephone are the trademarks of Direct Line Insurance plc and used with its permission. Direct Line Unit Trusts Limited has been licensed by FTSE International Limited to use the name "FTSE4Good™", "FTSE™", "FT-SE®" and "Footsie®" are trade marks jointly owned by the London Stock Exchange Plc and The Financial Times Limited and are used by FTSE International Limited under licence. "FTSE4Good™" is a trade mark of FTSE International Limited or its licensors. FTSE International Limited does not sponsor, endorse or promote this product.

As rural landowners welcome a new source of revenue from mobile phone masts,

What is 50ft tall, lives in and could save Britain's farmers from financial

By Simon Fluendy

MARGARET Wilson's Derbyshire farm boasts an unusual mixture of produce – beef, cereals and the real cash cow: a crop of mobile phone aerials.

She and husband Brian last month let a patch of land 11 yards square for £6,000 a year. They will receive the money for 20 years and it may soon rise to £10,000 a year because phone companies are so keen to share masts.

At a time when farmers are struggling to make money and many are still counting the cost of the foot-and-mouth epidemic, such sums could be the difference between going under and survival.

Having more than one mobile phone operator use a mast is a good way of raising income. But farmers close to motorways can do even better.

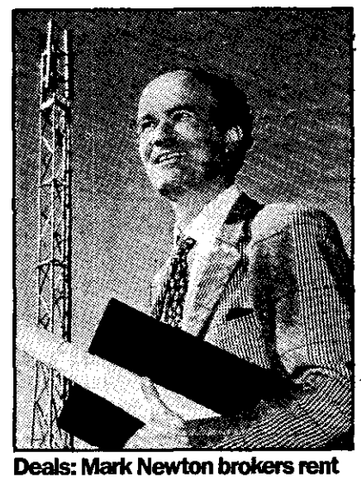
Some are paid £5,000 a year for allowing a single phone operator's mast in a field. A mast on farmland around the M25 holding aerials for all four operators – Vodafone, Cellnet, Orange and One 2 One – can generate more than £20,000 a year. This is as much as a prime rooftop site in central London holding a single antenna.

Leasing space for mobile phone masts has brought an unexpected bonus for landowners in both town and country ever since Vodafone and Cellnet first started rolling out analogue networks 20 years ago.

Prices have started to soar and experts believe the trend will continue. 'We are renegotiating leases for farmers and have been able to get five times more rent than before,' says Mark Newton, a partner at chartered surveyor Fisher German, which advises the National Farmers Union on negotiations with phone operators.

Andrew Opie, head of the NFU's technical department, says there is no end in sight to the boom. He adds: 'Prices continue to rise as networks plug gaps in coverage. And they are looking for thousands of new sites for the next generation of mobile phones. There are also planning policies that limit the siting of masts.'

Mobile phones work by each phone continually alerting base stations of its presence by radio signal. The base stations are then connected to the network.



Deals: Mark Newton brokers rent

Each base station can handle only a certain number of calls at a time. So as the number of phones increases, the demand grows for more base stations.

The licensing of new 3G networks – the infrastructure that will allow third-generation mobile phone systems to deliver a host of new services – has boosted demand hugely. The net-

One mast can generate £20,000 annual income

works will require at least three times the number of masts now in use because the signals do not carry as far. Operators, who paid £21 billion for the licences, have agreed to share masts to cut costs.

But, says Newton, this simply means that prices charged for siting masts will go up.

Simon Alabaster, a director of property consultant AWA, says: 'Ten years ago, a greenfield site would have cost only about £1,000. Now they are unlikely to be less than £3,000.'

In an average-sized town, mast sites have been let for about £10,000 a year.

McDonald's used

FAST-food chain McDonald's is this weekend at the centre of a row about threats to children's health after it emerged that hundreds of its restaurants are being used as sites for mobile phone transmitters.

The chain has a deal with Cellnet giving the mobile phone operator the right to place 'micro base stations' above its restaurants.

Campaigners have reacted angrily, saying the two companies are conducting an experiment that could affect public health.

Cellnet confirmed that it has 200 units, each the size of a burglar alarm, above McDonald's restaurants around the country. The fast-food chain says the number is fewer than 130.

In a report to the Government in May 2000, Professor Sir William Stewart, its former chief scientific adviser, said children could be more vulnerable than adults to microwave radiation generated by mobile phone signals.

But a Cellnet spokesman said: 'These are very low power - so low that they don't figure in health and safety authority restrictions and, according to the Stewart report, there is no evidence that they are harmful.'

Alasdair Philips of pressure group Powerwatch UK has been monitoring



Still undecided?
Here's our ISA proposal

It's not easy deciding on this year's ISA. At Aberdeen, we've stated publicly that we believe there will be a moderate recovery in the global economy this year. History shows that investing in equities now, while markets are low, makes perfect sense.

Corporate Bond Funds make an ideal defensive strategy

But we recognise that you might not be as positive as we are, so we offer this alternative. Corporate Bond Funds make an ideal defensive strategy, particularly for income-seekers suffering from low interest rates.

Of course, Bond Funds are not as secure as keeping your money in a bank or building society, and high yielding Bond Funds carry higher risks. But they are less risky than equities and generally more rewarding than cash deposits.

Our view is that corporate bonds are likely to benefit as the economic outlook improves and confidence in the ability of companies to repay their debt increases. Current conditions offer an excellent buying opportunity.

We offer you a very attractive Bond Fund choice. Our Fixed Interest Fund has produced more income over the last ten years than any other unit trust* and is managed by the highly acclaimed Paul Reed.

The Aberdeen Sterling Bond Fund is managed by award-winning Phil Roantree. Phil has made such a success of this fund that Investment Week magazine has awarded him the title 'Corporate Bond Fund Manager of the Year' for both 2000 and 2001.

Both these Funds are AAA-rated

Both these funds are AAA-rated by the independent fund ratings agency, Forsyth-Old Broad Street Research – two of only four in the industry to achieve the top rating.

Both the Fixed Interest and Sterling Bond Funds make ideal candidates for your 2002 ISA.

We hope this proposal has made you more positive about this year's decision. When the question is popped, "Do you intend to use this year's tax-free allowance?" say, "I do, I do, I do..."

Our Fixed Interest Fund has produced more income over the last ten years than any other unit trust*

For more details on Aberdeen's range of award-winning Corporate Bond ISAs, speak to your financial adviser, or call:

0800 35 37 37

www.aberdeen-asset.co.uk/isas

Please quote ref 2030308

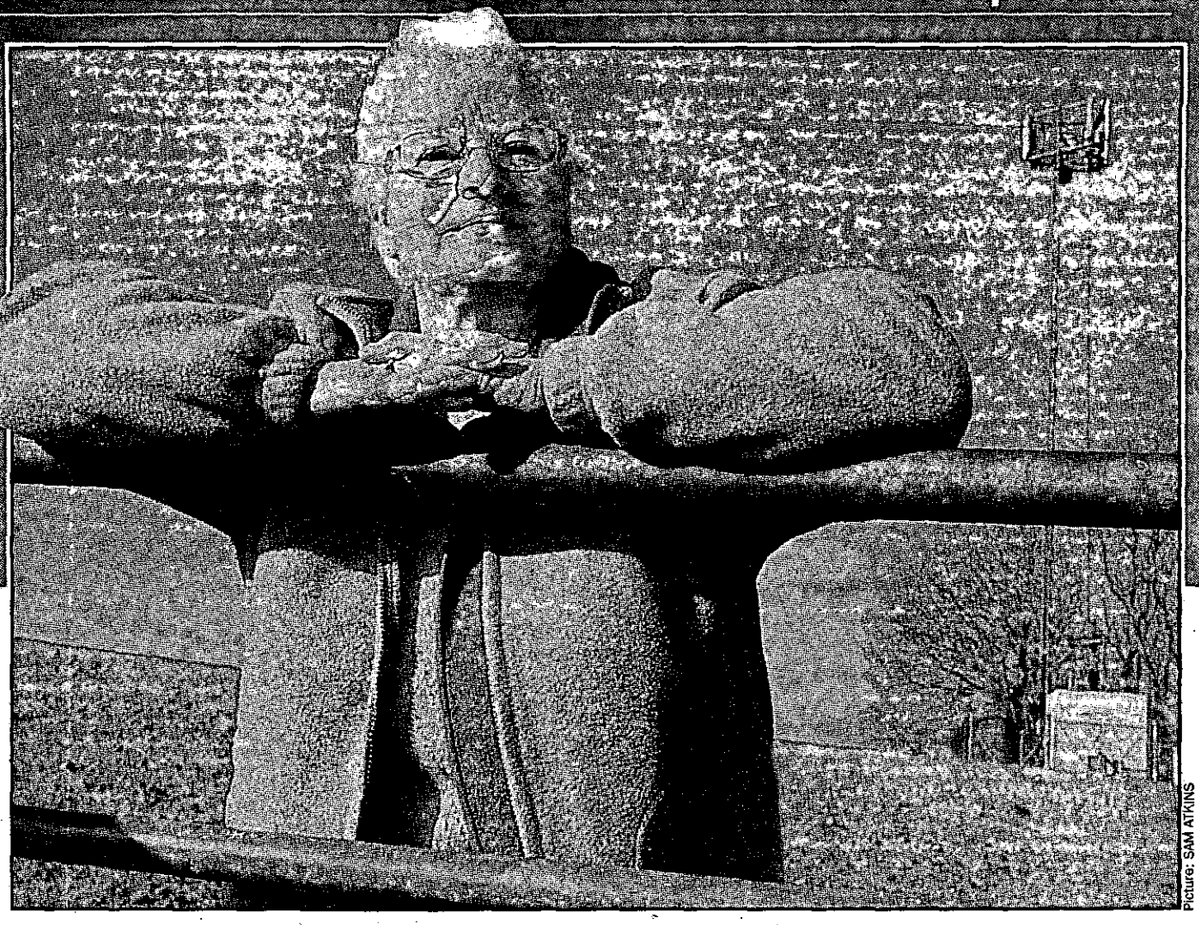
Inspired investing

Aberdeen

*Source: Lipper: for income received over 10 years to 31/01/02 Aberdeen Fixed Interest Unit Trust is 1st out of 536 unit trusts and over 5 years it is 4th out of 799. Fixed interest invests in higher yielding securities which are generally regarded as carrying a higher default risk, though hold a large spread of stocks across a wide range of issuers and sectors thereby reducing the impact of a single default. The value of a bond will fall in the event of the issuer defaulting or receiving a reduced credit rating. As the manager's periodic charge is taken out of capital, distributable income will be increased at the expense of capital which will either be eroded or future growth constrained. Past performance is not necessarily a guide to the future. Market and exchange rate movements and interest rate fluctuations affect the capital value of investments, and you may not get back the amount invested. The minimum initial lump sum investment is £500 or £50 per month. If you are unsure about the suitability of this investment, we advise you should contact an independent financial adviser. Telephone calls may be recorded. Issued by Aberdeen Unit Trust Managers Limited regulated by the FSA.

a burger chain comes under attack over its controversial deal with the operators

a field weary ruin?



High-earner: Margaret Wilson gets £6,000 a year in rent for her mobile phone mast

Picture: SAM ATKINS

In central London, the cost may be up to £25,000 a year.

Alabaster adds: 'Prices have been climbing steadily for ten years. We haven't seen a huge jump from 3G yet but all the pressures are upward.'

With perhaps an additional 10,000 masts needed for 3G networks, plus a Government communications network for emergency services called Airwave, the annual rent bill could top £250 million – a goldmine for landlords.

As demand has grown, the property industry has taken the sector increasingly seriously. In 1998, the Inland Revenue's biennial valuation survey started to include for the first time information on prices of land used for masts – but suddenly it stopped.

A Government source said: 'The operators refused to provide us with the necessary information.'

A spokesman for BT Cellnet, now part of mmO2, told Financial Mail: 'We have set up a forum to collate the information the Government wants.' So far, this has taken four years.

Several firms are buying sites and re-letting them to operators at a big profit. Newton says: 'One firm, Pinnacle Towers, wants to buy 2,500 sites.'

Crown Castle, which owns masts and acquired the BBC's network of giant 55ft masts, will not discuss which other sites it has bought.

'There is a lot of sensitive information,' Newton agrees. 'In cities, landlords normally understand that the lease is governed by the 1954 Landlord And Tenant Act, but farmers often do not.

'The point is that the leases can be automatically renewed and there is little the landowner can then do.'

The sensitivity about prices is not surprising.

Newton said: 'Mobile phone operators can't roll out networks unless the banks will lend them more money. And right now, money is very tight.'

But the phone companies are under pressure to start offering new services to revive falling sales of handsets. So they must start building soon. 'Land rental prices are only going to rise,' he says.

Good news, at last, for Britain's farmers.

The mast invasion: Five crucial facts

Q&A What they do and why they are unpopular

Q *What exactly does a mobile phone mast do and how big is it?*

A It connects mobile phones to the ordinary phone network. If just one operator is using the mast, says Vodafone, it will be about 50 feet. But if more than one phone company uses it, it will have to be higher so the aerials are kept apart to stop interference.

Q *What about the land it stands on?*

A The standard plot is 26ft by 40ft or 33ft by 33ft. It needs to be bigger than the base of the tower so that a cabin containing all the electronics can be housed. With multiple operators, even a 65ft by 65ft site can be rapidly filled.

Q *Can you put a mast anywhere?*

A No. The Scottish Parliament and many English planning authorities have tough rules about where masts can be sited. Operators are prevented from placing masts within a certain distance of schools or hospitals, so their choice becomes limited and prices rise.

Q *Are there any other restrictions?*

A Yes. Masts are ugly. Some are disguised as unlikely-looking trees and planners prefer masts to be screened by trees. The Church Commissioners have struck a deal to hide 6,000 aerials inside steeples.

Q *Should I be concerned if there is one near me?*

A It will take a long time to tell if, for example, there are increased cancer risks. But you receive no more radiation from a mast than from a TV set.

for mobile transmitters

the growth in microwave radiation from mobile phone masts for more than ten years.

He said: 'The companies claim there is no risk but they have no idea. The best that the Stewart report could say was there was not *at that time* any evidence of harm to the public – but there was a lack of research.

'In his evidence to the Commons Select Committee, Stewart warned that there could be specific risks to groups, especially children.

'Local authorities have already started to restrict the building of masts near schools. The public will be very worried about this and they are right to be concerned. We simply do not understand the long-term effects.'

Last month, the Scottish Parliament introduced planning rules banning full-power masts near schools and hospitals. Many English local authorities are introducing similar restrictions.

A spokeswoman for McDonald's said: 'Our first concern is health and safety. Considerable thought went into this. We rejected the idea of siting full-size masts on restaurants but we were reassured by the scientific evidence on these micro cells.'

McDonald's refused to comment on how much it was being paid for allowing Cellnet to use its outlets.

A Cellnet spokesman said that all its base stations complied with international guidelines.

He added: 'There is no evidence of risks to health, but Cellnet is contributing to a joint Government/industry fund to pay for exactly the type of research called for in the Stewart report.'

Free independent financial guide.



Our free, unbiased guides to Investments, ISAs, Pensions, Tax, Mortgages and a lot more, can really help you start a new chapter in your financial life. Simply contact us today for your free guide and details of four Independent Financial Advisers local to you.



For a free, unbiased consultation without obligation, call 0800 085 3250 or visit www.unbiased.co.uk

Quote ref MS153F

This advertisement appears on behalf of Britain's Independent Financial Advisers and has been approved by a person regulated by the Financial Services Authority. The independent financial adviser (IFA) logo® is a Registered Trade-mark of IFA Promotion Ltd.

Please send me an information pack, the names of four local IFAs and a voucher for a half hour free consultation without obligation. No salesman will call.

Name

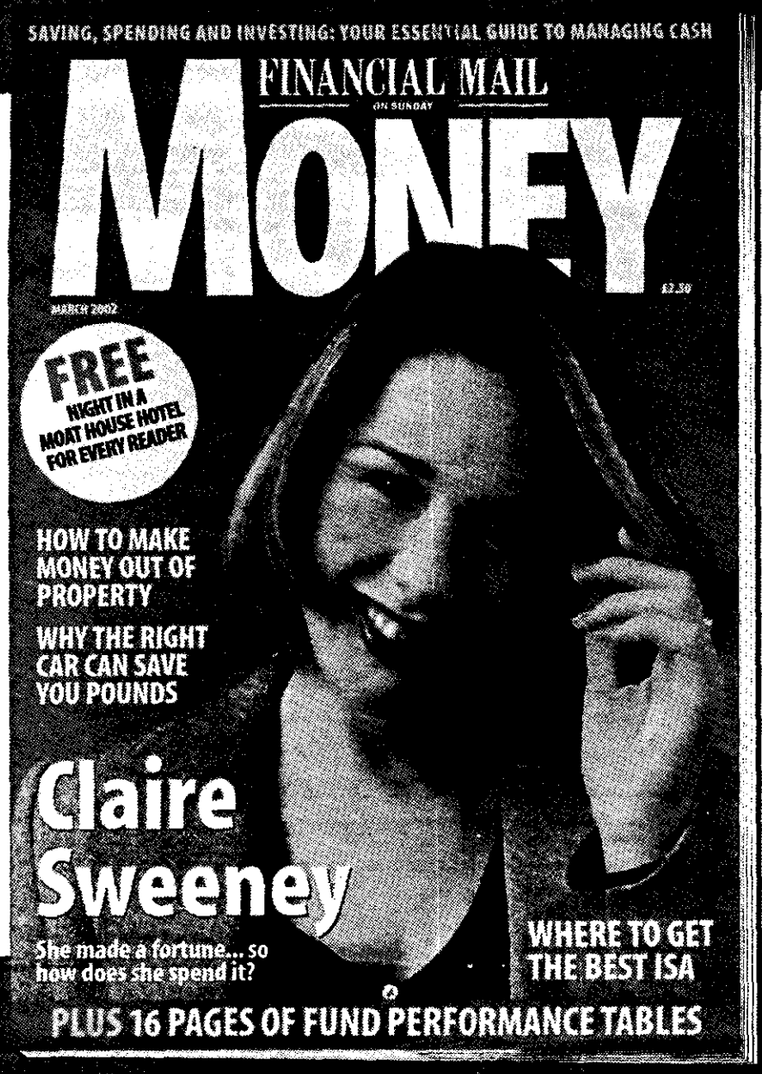
Address

Postcode

Return to: IFAP Ltd, 17-19 Emery Road, Brislington, Bristol, BS4 5PF.

MS153F

YOUR BRILLIANT NEW MAGAZINE FROM FINANCIAL MAIL ON SUNDAY, BRITAIN'S TOP MONEY TEAM

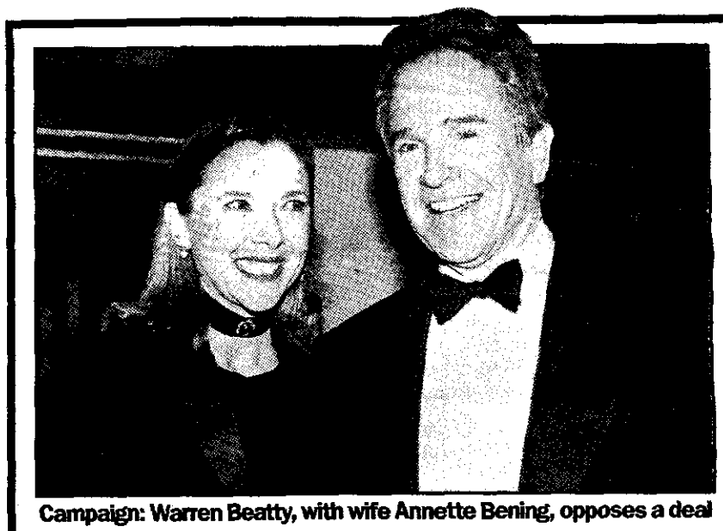


EVERYTHING YOU NEED TO KNOW ABOUT MONEY- EVERY MONTH

ON SALE NOW

AT ALL GOOD NEWSAGENTS

TO SUBSCRIBE CALL: 08700 667515



Campaign: Warren Beatty, with wife Annette Bening, opposes a deal

Hollywood lets in the ad agencies

By Jon Rees

SOME of America's biggest stars may soon be signing up to sell soap powder at the same time as they agree contracts for films.

The US Screen Actors' Guild (SAG) and the Association of Talent Agents are expected to lift their ban on advertising firms taking stakes in Hollywood talent agencies.

A source in America explained: 'Ad agencies would then know what projects were in the works, and it would give them an inside track to celebrities. That would help the ad agencies' clients.'

Previously, film and TV producers were also barred from taking stakes in talent agencies.

Actors feared that if talent agencies set up links with TV shows or advertising agencies, they would be biased when choosing which projects, and even brands, to steer their stars towards.

Having a stable of stars would also bring advertising agencies closer to writers and producers, meaning big clients could influence which films and TV shows were made.

A website set up by actors who oppose the deal, including M.A.S.H. star Elliott Gould, asks: 'If you do a commercial for Coca-Cola and the ad agency for Coke also owns a piece of your talent agency, for whom will your agent be working?'

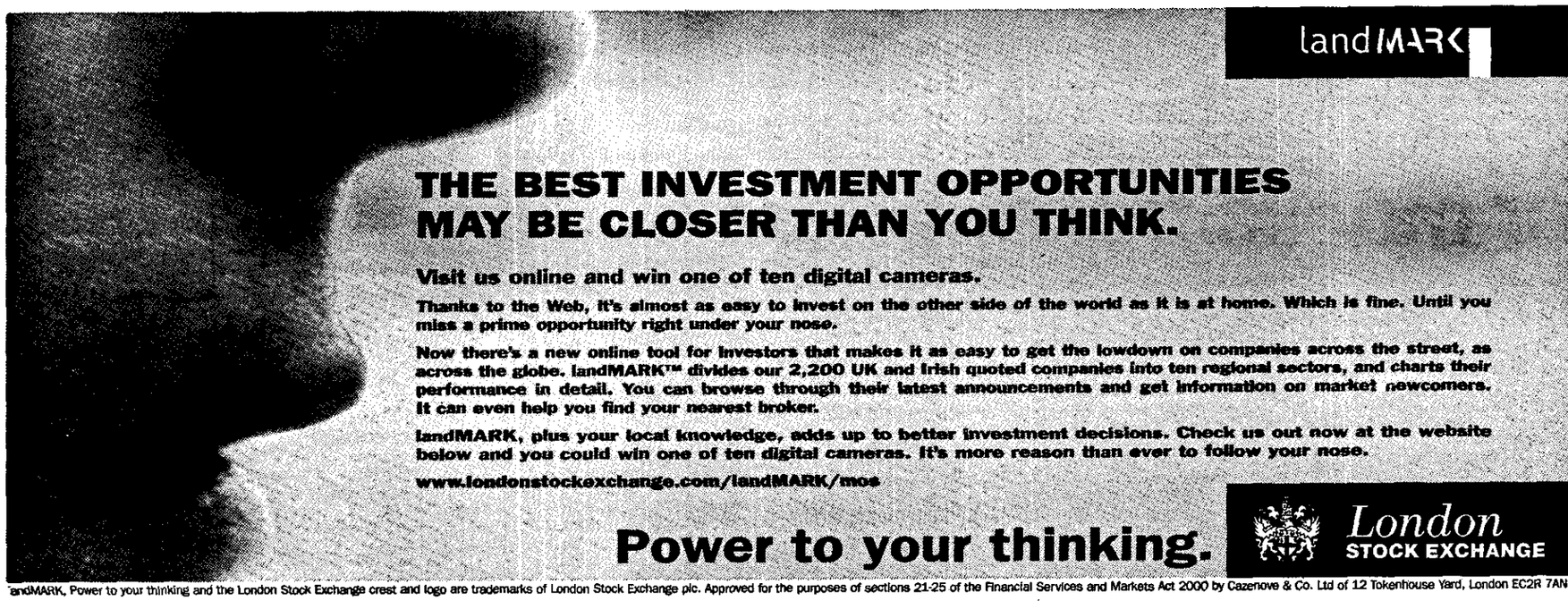
But three of the five top talent agencies have been talking to investment banks about arranging deals with outside investors.

They include the William Morris agency and International Creative Management, which represents Mel Gibson and Julia Roberts.

All the big talent agencies are privately owned, but their skills in supplying the casts for TV shows and winning a rich slice of the profits make them attractive assets for the advertising agencies.

SAG members must vote in a referendum to end the ban on advertising agencies. Actors have long been wary of anything that benefits agents. A similar plan two years ago was blocked in a campaign led by Warren Beatty and Charlton Heston.

In return for actors agreeing to the deal, talent agents will help clamp down on the use of non-union actors overseas and contribute to a fund for needy guild members.



landMARK, Power to your thinking and the London Stock Exchange crest and logo are trademarks of London Stock Exchange plc. Approved for the purposes of sections 21-25 of the Financial Services and Markets Act 2000 by Cazenove & Co. Ltd of 12 Tokenhouse Yard, London EC2R 7AN.

Tel: 0118 9869. 0119588015
MR. & MRS. N. DALTON

11 Fulmer Close
Earley, Reading
RG6 5UR

PLANNING SERVICES	HPT
POL	TLS
DC HP	ENF
APP	
CS	
08 MAR 2002	
COPIES TO	ADR ✓
	FILE

9th March 2002

FAX 0118 9746484

Helen Pollock
Planning Services
Wokingham Distr. Council

Re: Appl. No. F/2002/5913
University of Reading, Sibley Hall

We object most strongly to the above proposal to yet more telecom. equipment on the roof of Sibley Hall.

We have objected several times in the past & apart from the possible health problems we may experience in the future, we strongly believe these antennas & dishes are the cause of our television interference.

This T.V interference is being a problem to residents all around the area of Sibley Hall - in Fulmer, Beaconsfield, Redhatch & Radstock. We have spoken to several people in these roads.

It was suggested when I phoned the University that someone with a C.B. radio was to blame, but this is not just our road so it must be Sibley Hall equipment.

Surely, Reading University have enough revenue from these masts now. Why don't Wokingham Council stop at this & have no more on this roof top.

Why should we put up with this on our T.V.

ENOUGH IS ENOUGH
STOP THESE ANTENNAS NOW PLEASE

PLANNING SERVICES	HPT
POL	TLS
DC	ENF
APP	
CS	
07 MAR 2002	
COPIES TO	ACK: ✓ 7/3
	FILE:

22 Clevedon Drive
Earley
READING
RG6 5XE

Environmental Services Dept
Planning Services
P O Box 157
Shute End
WOKINGHAM
Berkshire
RG40 1WR

March 6, 2002

For the attention of Helen Pollock, Development Control Officer

Dear Sirs

Planning Application F/2002/5913, University of Reading Sibley Hall, Redhatch Drive, Earley

It appears that we receive a new planing application of this nature for telecommunications installations on Sibley hall every other week. As with previous such applications, we write to object strongly to the above planning application. The reasons for this decision are summarised below:

1. There has been considerable publicity in recent years as to the potential adverse health effects of mobile phones and the associated transmission network. It is fair to say that the jury is still out. However, in view of other health issues that the public has been offered "reassurance" by "experts" in recent years (BSE, etc) it is right that the public should remain sceptical and wary. Sibley Hall is already bristling with mobile phone antennae which may pose a risk to the public in surrounding houses. No more antennae should be allowed by the planning authorities.
2. An important issue also relates to the health of the residents of Sibley Hall. This is after all a residential building. Have they been canvassed about their attitudes to the proposed development? If not, they should be. I note in the news today that residents in Winchester have successfully stopped an Orange phone mast being erected near their house and a school. People are genuinely concerned about these things, whether justified on health grounds or not..
3. A lesser, but nevertheless relevant issue relates to aesthetics. Sibley Hall is a dominant and ugly feature in this area of Earley. We can't object to that *per se* since it was here long before we were but we can object to any application which threatens to make it more visually unattractive. This proposal does just that - the antennae on the top of Sibley Hall emphasise it's ugliness.
4. The aerials on top of Sibley Hall may also reduce the value of local property.

I have said this before but enough is enough now. We have numerous antennae and dishes on Sibley Hall - we don't want any more. Put them somewhere else. Where will it stop?

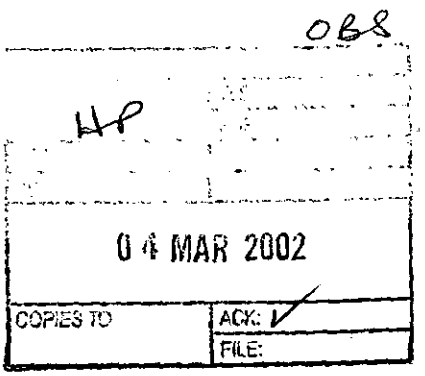
Yours faithfully

P K B

Dr and Mrs P K Bishop

Ian Jordan

From: WebComments@wokingham.gov.uk
Sent: 04 March 2002 13:16
To: ian.jordan@wokingham.gov.uk
Subject: Comments on Planning Applications



****

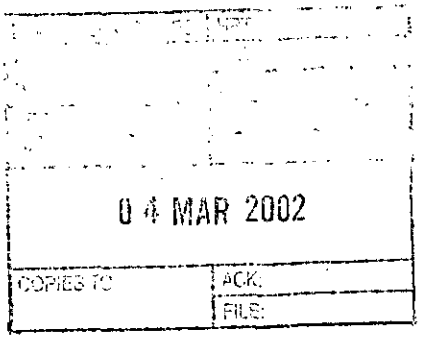
NatureofEmail: Object
ApplicationNumber: F/2002/5913
Correspondent_FullName: Mrs J. Thorpe
Correspondent_StreetAddress: 66 Redhatch Drive
Correspondent_Address2: Earley
Correspondent_Town: READING
Correspondent_County: BERKS
Correspondent_PostCode: RG6 5QR
Correspondent_Telephone:
Correspondent_Email: grahamt1@tynetron.fsnet.co.uk

Comments:

I feel strongly that the above application should be refused.
There is insufficient evidence about the effects of the types of equipment mentioned in the application on people to allow installation of more/replacement.
It is important that the people who live at Sibly Hall are protected from the possible effects of microwave dishes etc. They spend many hours each day living and sleeping there. No one would want to expose others to that.
I expect that WDC gains some amount of remuneration for having such equipment installed; as a WDC resident and taxpayer, I do not want gains for us at other people's health and fitness.

Ian Jordan

From: WebComments@wokingham.gov.uk
Sent: 04 March 2002 13:17
To: ian.jordan@wokingham.gov.uk
Subject: Comments on Planning Applications



****

NatureofEmail: Object
ApplicationNumber: F/2002/5913
Correspondent_FullName: Mrs J. Thorpe
Correspondent_StreetAddress: 66 Redhatch Drive
Correspondent_Address2: Earley
Correspondent_Town: READING
Correspondent_County: BERKS
Correspondent_PostCode: RG6 5QR
Correspondent_Telephone:
Correspondent_Email: grahamt1@tynetron.fsnet.co.uk

Comments:

I feel strongly that the above application should be refused.
There is insufficient evidence about the effects of the types of equipment mentioned in the application on people to allow installation of more/replacement.

It is important that the people who live at Sibly Hall are protected from the possible effects of microwave dishes etc. They spend many hours each day living and sleeping there. No one would want to expose others to that.
I expect that WDC gains some amount of remuneration for having such equipment installed; as a WDC resident and taxpayer, I do not want gains for us at other people's health and fitness.

0138

PLANNING SERVICES	HPT
POL	TLS
DC	ENF
APP	
CS	
0 4 MAR 2002	
COPIES TO	ACK: ✓
	FILE:

M. A. McDonald
26 Somerton Gardens
Earley
Reading
Berkshire RG6 5XG

Tel: 0118 9751588
Mobile: 07788106424

29th February 2002

Wokingham District Council
Environmental Services Department
Planning Services
P.O. Box 157
Shute End
Wokingham RG40 1WR

Your Reference: Helen Pollock F/2002/5913

Dear Sirs,
Application Number: F/2002/5913
Site Address: University of Reading Sibley Hall, Redhatch Drive, Earley, Reading
Proposal: Proposed telecommunications base station comprising 3 antennas, 4 microwave dishes and support cabin on rooftop.

You have invited me to comment on the above-referred proposal.

I STRONGLY OBJECT TO THIS PROPOSAL.

You have several times previously advised of similar applications, and various local people including me have objected. On each occasion you have ignored local fears and objections and rubber stamped the application. It appears to me that this process is a waste of time and money as you clearly, for whatever reason, will keep saying yes to such proposals until the roof of Sibley Hall threatens to collapse under the weight of all this offensive equipment.

I refuse to believe that there is a 'Rotten Borough' situation prevailing here. (The term borrowed from 'Private Eye'). It would seem however that the Company applicants definitely have the upper hand, while the *human rights* of the local population count for nothing.

Today's 'Daily Mail' reports another cluster of cancers around another such roof top mounted installation, and scientists are investigating again. I doubt if the level of our scientific expertise yet extends to being able to understand the subtle nature of the problem. Who knows what dangerous pulses of electromagnetic radiation can be formed by cross modulation around the antennas of so many digital microwave devices; or what level of e.m. radiation is in fact dangerous? Does anyone care? After all only a relatively small number are affected compared with the general population. Statistically insignificant?

I ask you again to reject this application, and also to order the removal of all the other such equipment from the subject roof. They should all be moved to a rural field site and mounted on a proper mast. The equipment is of 'transportable' type and could easily be transferred.

n.b. There is a **school** not far away directly adjacent to a water tower that is bristling with similar equipment, and one in Whitley with the equipment actually on the roof! – An absolute scandal.

Yours faithfully,

M. A. McDonald

WOKINGHAM DISTRICT COUNCIL
ENVIRONMENTAL PROTECTION AND HOUSING

MEMORANDUM

To: Helen Pollock
Development Control

Your Ref: F/2002/5913

From: Tom Payne
Environmental Health

My Ref: 000254

Date. 22 February 2002

PROPOSED TELECOMMUNICATIONS BASE STATION COMPRISING 3 ANTENNAS, 4 MICROWAVE DISHES AND SUPPORT CABINET ON ROOFTOP.

UNIVERSITY OF READING SIBLEY HALL, REDHATCH DRIVE, EARLEY.

These proposals have been evaluated and I have no environmental health objections to planning consent but have the following comments to make in relation to this proposal:

There have been questions raised as to the possibility of adverse health effects from electromagnetic radiation from telecommunication base stations and their positioning in relation to residential development and, in particular schools.

The Chartered Institute of Environmental Healths current policy states that;

(a) *despite a growing body of research, there is currently no convincing evidence that* environmental exposure to electromagnetic fields (emf) generated by the transmission of electricity or mobile telephony is harmful to human health, including that of children;
(b) that there is no justification on health grounds for restricting the public use of land other than immediately around power and mobile telecommunications installations. Conversely, there is no justification for restricting the siting of such installations in proximity to other land uses:
(c) *that public concerns about the effects of electromagnetic fields while in our current* state of knowledge apparently without foundation, should nonetheless be recognised as genuine.
(d) The full effects of emfs on humans may not yet be realised and though it can never be conclusive, there remains a need for continuing, properly funded, independent research into the nature, extent and relevance of those effects and the consequent adequacy of prevailing exposure guidelines.

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

T. Payne.

TOM PAYNE
SENIOR ENVIRONMENTAL HEALTH OFFICER
ENVIRONMENTAL PROTECTION & HOUSING

Received by Wokingham District Council

Application No: F/2002/5913

PROPOSAL:
Proposed telecommunications base station comprising 3 antennas, 4 microwave dishes and support cabinet on rooftop.

LOCATION:
University Of Reading Sibley Hall, Redhatch Drive, Earley, Reading.

The application is available for inspection at the locations & during the times detailed below:

WOKINGHAM DISTRICT COUNCIL, PLANNING RECEPTION, SHUTE END, WOKINGHAM between 8.30 - 5.00 Monday - Thursday & 8.30 - 4.00 Friday. (TEL: (0118) 974 6428)
OR
WOODLEY LIBRARY, HEADLEY ROAD, WOODLEY between 9.30am - 7.00pm Mon, Thurs & Fri. 9.30am - 5.00pm Tues, 9.30am - 1.00pm Saturday and 1.00pm - 4.00pm Sunday. (closed all day Wednesday). If you intend to view this application at Woodley Library please allow 4 days from the date of this letter for delivery of plans and remember to quote application number F/2002/5913 to enable the library staff to locate the correct information.
OR
EARLEY TOWN COUNCIL, RADSTOCK HOUSE, RADSTOCK LANE, EARLEY between 9.00am – 1.00pm & 2.00pm – 4.30pm Monday to Friday. (TEL: (0118) 986 8995)

Comments should be sent in writing QUOTING THE APPLICATION NUMBER to the Case Officer Helen Pollock P.O. Box 157 Council Offices, Shute End, Wokingham Berkshire, RG40 1WR to arrive on or before 16/03/2002. Written comments submitted will become available for public inspection.

In view of the very large number of planning applications and letters of comment received, it will not be possible for an individual reply to be issued to observations made. However any comments will be taken into account when the application is determined and you will be notified of the decision.

Head of Planning and Transportation

20 February 2002

Application Number : F/2002/5913	Map No : 58
Case Officer : HP	Site Area : 1·12.
Valid Date : 14 FEB 2002	Received Date: 14/02/2002

Level : Delegated Application

Description : Proposed telecommunications base station comprising 3 antennas, 4 microwave dishes and support cabinet on rooftop.

Location : University Of Reading Sibley Hall, Redhatch Drive, Earley, Reading.

Parish : EA Ward : RED 20/2/02 JB.

Applicant : Hutchinson 3G UK Ltd C/O Barton Willmore Planning P/Ship.

Fee Required: £190 Fee Received: £0 No cheque

Additional: 190-00 **or Refund: .....**

Enforcement Section to be notified ☐ (tick if required)

Additional information required for validation;

REASON	NOTES	DATE REQ	DATE RECD
LOCATION PLANS			
BLOCK PLANS			
FORMS UNSIGNED			
S.66 MISSING/INCORRECT/ UNSIGNED			
ELEVATION PLANS			
FLOOR PLANS			
NO SCALE OR SCALE IS IMPERIAL			
ENCROACHMENT LETTER REQUIRED			
OTHER			

Is the site in a Conservation Area: ☐ Yes ☐ No If "Yes" which one _____

Is the site a Listed Building: ☐ Yes ☐ No

Is a Statutory Advertisement required: ☐ Yes ☐ No

INTERNAL CONSULTATIONS 20/2/02 B

Building Control

Heritage (Harold Sanders)

Landscape

Trees

Environmental Health ✓

Housing

Leisure & Cultural Services

Public Rights of Way Officer

Property

Policy & Plans

Joint Strategic Planning Unit

Archaeological Officer (BABTIE)

Education

Social Services

Highways

EXTERNAL CONSULTATIONS

Adjacent DPA : _____

Adjacent Parish : _____

SEB

British Gas

Oil pipeline

Transco

Environment Agency

Railtrack

Police Arch Officer

HERITAGE BODIES

Victorian Society
The Georgian Group
Ancient Monuments Society
Council for British Arch
RCHME
NRPB (Telecommunications)
Sport England
Society for Proct' of Ancient Bldgs
English Heritage

OTHERS

.....

.....

.....

.....

.....

.....

NEIGHBOURS

.....

[redacted] S|N +

..... as for prev. apps (5590 3824 5591)

— See map (as discussed with Theresa)

+ See attached list of objectors

+ Site inside red line (Sibley Hall)

No new pre-apps.

WOKINGHAM UNITARY
Aiming for Excellence

Applicationo	Name & Addres
TL/2001/3824	J Gibson 5 Dennose Close Earley READING Berkshire RG6 5YP
TL/2001/3824	J Harrison 8 Somerton Gardens Earley READING Berkshire RG6 5XG
TL/2001/3824	Robert Ames 14 Sibley Park Road Earley READING Berkshire RG6 5UB
TL/2001/3824	Mr & Mrs E A Jackson 92 Redhatch Drive Earley Reading RG6 5QR
TL/2001/3824	B A Clary & M J Clary 15 Fulmer Close Earley Reading RG6 5UR
TL/2001/3824	Dr & Mrs P K Bishop 22 Clevedon Drive Earley Reading RG6 5XE
TL/2001/3824	The Owner / Occupier 18 Somerton Gardens Earley Reading RG6 5XG
TL/2001/3824	Mrs S P Thorne 32 Sibley Park Road Earley Reading Berks RG6 5UB

WOKINGHAM UNITARY
Aiming for Excellence

TL/2001/3824	Mrs M S Patterson 3 Fulmer Close Earley Reading RG6 5UR
TL/2001/3824	Mr & Mrs M Liston 3 Somerton Gardens Earley Reading RG6 5XG
TL/2001/3824	M A McDonald 26 Somerton Gardens Earley Reading RG6 5XG
TL/2001/3824	Allan Moore 7 Somerton Gardens Earley Reading RG6 5XG
TL/2001/3824	C J HALL 8 Dennose close Earley Reading RG6 5YP
TL/2001/3824	C Reid 29 Sommerton Gardens Earley Reading Berks RG6 5XG
	Mr & Mrs Dalton 11 Fulmer Close Earley Reading RG6 5YR
TL/2001/3824	J W Evison 2 Somerton Gardens Earley Reading RG6 5XG
Application Approved	Letters sent 04.01.2002

MJ Newport
28 Somerton Gardens
Earley

WOKINGHAM UNITARY
Aiming for Excellence

Applicationo	Name & Address
TL/2001/5490	Dr & Mrs P K Bishop 22 Clevedon Drive EARLEY RG6 5XE
TL/2001/5490	Professor Allan Moore 7 Somerton Gardens EARLEY RG6 4XG
TL/2001/5490	Dr Z & Dr E Latymer 11 Dennose Close EARLEY RG6 5YP
TL/2001/5490	B.A. Clary and Mrs M.J. Clary 15 Fulmer Close EARLEY RG6 5UR
TL/2001/5490	Mr and Mrs S J Patterson 3 Fulmer Close EARLEY RG6 5UR
TL/2001/5490 ACKD	J. C. Bowley 7 Dennose Close EARLEY RG6 5YP
TL/2001/5490	Mrs H Liston 3 Somerton Gardens EARLEY RG6 5XG
TL/2001/5490	John Harrison 8 Somerton Gardens EARLEY RG6 5XG
TL/2001/5490	Sir Christopher Hall 8 Dennose Close EARLEY RG6 5YP

App approved
letter sent 05/02/02

The Barton Willmore Planning Partnership - Reading
Beansheaf Farmhouse, Bourne Close, Calcot,
Reading, RG31 7BW.
Tel 0118 943 0000 Fax 0118 943 0002
e-mail: planning@reading.bartonwillmore.co.uk

2002/5913

PLANNING SERVICES	HPT
POL	TLS
DC	ENF
APP	
CS	
21 FEB 2002	
COPIES TO	ACK:
	FILE:

Barton Willmore
Planning

Mrs Hurst
Planning and Environmental Services
Wokingham District Council
Council Offices
PO BOX 157
Shute End
Wokingham
RG40 1WR

10471/A3/6/BS/jav

20th February 2002

Dear Mrs Hurst

HUTCHISON 3G UK LTD, PROPOSED TELECOMMUNICATION MAST AT SIBLEY HALL REDHATCH DRIVE, EARLEY, BERKSHIRE, RG6 5YU

Please find enclosed the required cheque for the above application, which I omitted to enclose with the planning application, which we submitted to you last week. I trust that the cheque will be attached to this application and that it will be possible to determine the application.

Yours sincerely

B Stephenson.

BEN STEPHENSON
Planner

Certificate No. FS 29697

Town Planners • Environmental Consultants
Architects • Master Planners • Project Services

Contact: Gareth Capner, Ian Tant, Roger Turnbull, Mark Sitch, Angela Doone

A list of partners can be inspected here and at our associated offices in:
Bristol Cambridge Edinburgh Leeds London West Malling (Kent)

5913

The Barton Willmore Planning Partnership - Reading
Beansheaf Farmhouse, Bourne Close, Calcot,
Reading, RG31 7BW.
Tel 0118 943 0000 Fax 0118 943 0002
e-mail: planning@reading.bartonwillmore.co.uk

No charge

Barton Willmore
Planning

14.FEB.2002* 5913

Wokingham District Council,
Council Offices,
PO BOX 157,
Shute End,
Wokingham,
BERKSHIRE. RG40 1WR

10471/A3.6/RG4077/BS/jav

RECORDED DELIVERY

13th February 2002

Dear Sir/Madam,

HUTCHISON 3G UK –
PROPOSED DEVELOPMENT AT SIBLEY HALL, REDHATCH DRIVE, READNG, BERKSHIRE.

Please find enclosed a planning application submitted on behalf of Hutchison 3G UK for the above site.

The application comprises:

1. Six copies of the completed application form.
2. Ownership Certificate B and Agricultural Holdings Certificate.
3. Six copies of drawing nos. 00195009-111 which incorporates a general location plan, a site plan, and photograph, drawings nos. 112 which provides site plan, and drawings nos. 113-116 which provides elevations and building detail.
4. ICNIRP compliance certificate and emissions profile.
5. Six copies of the Hutchison 3G Application Checklist which describes the proposed development and provides information on the alternative sites which have been examined.
6. A supporting statement prepared by Hutchison 3G, providing general background information to assist in determining the application.

Certificate No. FS 29837

Town Planners • Environmental Consultants
Architects • Master Planners • Project Services

Contact: Gareth Capner, Ian Tant, Roger Turnbull, Mark Sitch, Angela Doone

A list of partners can be inspected here and at our associated offices in:
Bristol Cambridge Edinburgh Leeds London West Malling (Kent)

7. Information in support of the planning application for the development of a base station including material relating to the type of radio equipment which would be used and information describing Hutchison 3G's network requirements.

8. Coverage plot showing proposed site.

9. The application fee of £190.

The planning application relates to the installation of three 1700mm antennas, four 600mm microwave dishes and a 1 x 1.872m^3 support cabinet, upon the rooftop of Sibley Hall alongside existing telecommunication equipment of other operators.

Background Information

You will note from the supporting statement that the Hutchison 3G UK licence is to provide a communications system within the United Kingdom. In order to achieve this, the country is being divided into planned networks of interacting cells of various sizes; each served by a base station such as that proposed at Sibley Hall, Redhatch Drive, Reading. In this instance, the proposed development is to service an area between Lower Earley and Whitley. The enclosed coverage plots show the present coverage, the coverage generated by the proposed site alone, and the coverage provided by the proposed site in conjunction with the established sites.

ICNIRP Compliance

Revised PPG8: Telecommunications (August 2001) advises that if a proposed 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 (paragraph 30).

With regard to transmission at between 2 and 2.2 GHz, the Hutchison 3G UK frequency band, the relevant exposure levels are in the region of 38 v/m. An installation of the type proposed typically generates EMF levels of the order of 0.3 v/m in publicly accessible areas.

A certificate of compliance with the ICNIRP guidelines is submitted with this planning application.

Government Guidance

This application is submitted in the context of Government guidance as set out in Revised PPG8: Telecommunications (August 2001). The revised PPG8 recognises that modern telecommunications are an essential and beneficial element in the life of the local community and in the national economy (Appendix, paragraph 1) and that they can benefit the environment through reducing the need to travel, and hence reducing vehicle emissions of carbon dioxide and other pollutants (Appendix, paragraph 2).

The Government's policy is to facilitate the growth of new and existing telecommunications systems whilst keeping the environmental impact to a minimum (paragraph 1). Accordingly, paragraph 20 of PPG8 states:

> **" The sharing of masts and sites is strongly encouraged where that represents the optimum environmental solution in a particular case."**

Alternative Sites

Prior to selecting this site at Sibley Hall, a thorough search within this call area was undertaken, such that all possible sites were considered. Sites have been considered in terms of their technical suitability to provide the required level of service and in terms of their effect on visual amenities and the environment. The aim of site identification is to find the technically most efficient site, which has the minimum impact on visual amenities and the environment.

An alternative location at Thames Water Pumping Station NGR 473750 170600 was considered, however, it was found that this structure was not suitable structurally to provide a suitable solution.

It was considered that due to the difficulty of finding alternative sites in the required coverage area, and the general desirability of utilising existing telecommunication masts wherever possible, that Sibley Hall represented the optimum solution in terms of visual amenity, environmental impact and providing the required coverage.

Relationship with Development Plan Policies

Berkshire Structure Plan 1991 – 2006 (adopted 1995) seeks a balance between the growth of telecommunications development and their impact on the environment. Policy TC1 seeks to encourage the location of antenna and upon existing buildings or upon existing telecommunication facilities.

Policy WIC14 of the Wokingham District Local Plan (Deposit Draft) advises that planning permission for telecommunication base stations will be granted provided that it is demonstrated that no alternative less visually intrusive site is available or technically feasible.

The proposal at Sibley Hall represents a site share of an existing structure. Using this existing roof top solution enables the required coverage to be achieved, without the need for a new base station to be provided on a greenfield site.

The environmental impact of this proposal is limited through mounting the antennas and dishes on an existing structure, which is used currently used by other telecommunication operators. As such the proposed installation at Sibley Hall accords with the policies of the Development Plan. We consider that there will be no material impact in visual amenity terms through the installation of three additional antennas and additional dishes on the rooftop.

Site Specific Issues

The proposal at Sibley Hall represents a site share solution. Accordingly the development does not result in have any impact upon the natural environmental.

In terms of visual appearance the proposal involves the placement of the three antennas and 4 microwave dishes upon the roof of the property mounted upon supporting framework. These are located around the perimeter of the buildings roof, and are positioned adjacent to other existing telecommunication equipment. The equipment does not extend vertically beyond that of the existing equipment positioned upon the roof. Accordingly the proposal would not result in development that would be materially detrimental to visual amenities.

Conclusions

Accordingly, it is concluded that all necessary and reasonable steps have been taken to comply with the letter and spirit of Government Guidance and good land use planning practice.

We trust the information supplied is sufficient for you to consider this application favourably at your earliest convenience.

Please do not hesitate to contact me if you require any further information.

Yours sincerely,

p.p B Stephenson

JENNIFER WALTERS
Senior Planner
For and on behalf of Hutchison 3G UK

Encs.

cc. S. Fotheringham, Esq. - Hutchison 3G UK Limited
P. Hose, Esq. - Commpro c/o Hutchinson 3G UK Ltd.

1789/a

SECTION 66 CERTIFICATE

Application No.

Please fill in both Certificate A, B, C or D and the Agricultural Holdings Certificate. Delete sections not relevant.

14.FEB.2002* 5913

CERTIFICATE A

I certify that:

at the beginning of the period of 21 days ending with the date of the accompanying application, nobody, except the applicant, was the owner of (a) of any part of the land to which the application relates.

(a) "Owner" means a person having a freehold interest or leasehold interest the unexpired term of which is not less than 7 years.

OR

CERTIFICATE B

I certify that:

I have/~~The applicant has*~~ given the required notice to everyone else who, at the beginning of the period of 21 days ending with the date of the accompanying application was the owner (a) of any part of the land to which the application relates, as listed below.

Owner's(a) name	Address at which notice was served	Date on which notice was served
+ See Note (a) to Certificate A FAO: Mr N Frankland Estate Manager	University Of Reading Facilities Management Division Estate Services Dept Whiteknights, PO Box 235 Reading, RG6 6BW	13/2/2

OR

CERTIFICATE C

I certify that

- ~~I~~The applicant* cannot issued a certificate in accordance with either paragraph (a) or paragraph (b) of Section 66(1) of the Act in respect of the accompanying application.

- *I have/The applicant has* given the required notice to the persons* specified below, being persons who at the beginning of the period of 21 days ending with the date of the application were owners (a) of any part of the land to which the application relates.

Owner's(a) name	Address at which notice was served	Date on which notice was served

(b) Insert description of steps taken.

- *I have/The applicant has* taken all reasonable steps open to me/him/her* to find out the names and addresses of the other owners (a) of the land, or of a part of it, but have/has* been unable to do so. These steps were as follows:

(b) .....

.....

(c) Name of local newspaper circulating in the area where the land is situated.

- Notice of the application as attached to this Certificate, has been published in

the (c) .....

(d) Date of publication (which must be not earlier than the beginning of the period of 21 days ending with the date of the application).

on (d) .....

1789/b

CERTIFICATE D

I certify that

● I/The applicant cannot issue a certificate in accordance with paragraph (a) of Section 66 of the Act in respect of the accompanying application.

● I/The applicant have/has taken all reasonable steps open to me/him/her to find out the names and addresses of everyone else who, at the beginning of the period of 21 days beginning with the date of application was the owner (a) of any part of the land to which the application relates, but have/has been unable to do so. These steps were as follows:

(b) .....

.....

● Notice of the application as attached to this Certificate, has been published in the (c) .....

on (d) .....

OR

(b) Insert description of steps taken

(c) Insert name of local newspaper circulating in the area where the land is situated.

(d) Insert date of publication (which must not be earlier than the beginning of the period of 21 days ending with the date of the application).

ALL APPLICANTS MUST COMPLETE THIS SECTION

If any of the site is part of an area of land which is let or there is an agreement to let the land for agricultural purposes to a tenant, it may be an agricultural holding. Further advice may be obtained from the Department.

Agricultural Holdings Certificate

One or other section must be crossed through as not applicable.

If the applicant is the sole agricultural tenant he or she must delete the first alternative and insert "not applicable" as the information required by the second alternative.

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

OR

● I have/The applicant has given the required notice to every person other than my/him/herself who, at the beginning of the period of 21 days ending with the date of the application, was a tenant of an agricultural holding on all or part of the land to which the application relates, as follows:

Tenant's name	Address at which notice was served	Date on which notice was served

Signed ...B. Stephenson.....

On behalf of ..Hutchison 3G UK LTD.....

Date 13/2/02.....

TOWN AND COUNTRY PLANNING ACT, 1990
TOWN & COUNTRY PLANNING GENERAL DEVELOPMENT ORDER 1988
Certificate under Section 66

1769a

WOKINGHAM DISTRICT COUNCIL
PLANNING APPLICATION

PART 1

APPLICATION FOR PERMISSION TO CARRY OUT DEVELOPMENT - TOWN AND COUNTRY PLANNING ACTS

Please answer ALL QUESTIONS in BLOCK LETTERS. If a question is not applicable, answer N/A in space. Please submit SIX copies of this form and plans to:-

THE DISTRICT PLANNING OFFICER
WOKINGHAM DISTRICT COUNCIL
PLANNING DEPARTMENT
P O Box No. 157
COUNCIL OFFICES
SHUTE END
WOKINGHAM
BERKSHIRE, RG40 1WR

FOR OFFICE USE ONLY
14.FEB.2002* 5913

1.	APPLICANT'S NAME	HUTCHISON 3G UK LTD
	ADDRESS	GREAT BRIGHAMS MEAD, VASTERN ROAD READING
	POST CODE	RG1 8DJ PHONE
2. If the applicant has an agent, all correspondence will be sent to the agent	AGENT'S NAME	BARTON WILLMORE PLANNING PARTNERSHIP
	ADDRESS	BEANSHEAF FARN HOUSE, BOURNE CLOSE, CALCOT, READING
	POST CODE	RG31 7BW PHONE 0118 943 0000
3. On the plans show the SITE outlined in RED Show also OTHER land in the applicant's ownership or control in BLUE.	SITE LOCATION	SIBLEY HALL, REDHATCH DRIVE, EARLEY READING, BERKSHIRE, RG6 5YU
4. WHAT IS THE APPLICATION FOR ? Give brief details and state for what purpose this site and any buildings will be used.		PROPOSED TELECOMMUNICATION BASE STATION
5. Give the area in hectares or part of a hectare	AREA OF SITE	0.52ha
6. State the applicant's interest in the land e.g. owner, prospective purchaser, lessee	OWNERSHIP	LESSE
7. List all the plans and drawings submitted with the application	PLANS/DRAWINGS	0019509-111-116 ISSUE B1

8. DOES THE APPLICATION INVOLVE ANY OF THE FOLLOWING ?
Tick the boxes(x)

CHANGE OF USE	☐	REDEVELOPMENT	☐
ERECTION OF NEW BUILDING	☒	ALTERATION or EXTENSION	☐

9. WHAT TYPE OF APPLICATION IS THIS ?
Tick one box only

OUTLINE PERMISSION	☐	See question 10
FULL PERMISSION	☒	
APPROVAL OF DETAILS/RESERVED MATTERS	☐	State relevant outline permission number Also complete Question 10
TEMPORARY PERMISSION	☐	State period required
RELAXATION OF CONDITIONS	☐	State relevant application number Conditions to be relaxed

10. IF THIS IS AN OUTLINE APPLICATION OR AN APPROVAL OF RESERVED MATTERS, which details, if any, do you wish to be considered as part of this application ?

EXTERNAL APPEARANCE	☐	SITING	☐
MEANS OF ACCESS	☐	DESIGN	☐
		LANDSCAPING	☐

11. WHAT IS THE EXISTING USE OF THE LAND AND/OR BUILDING(S) e.g. residential, industrial, etc. If the site is vacant say so, and also state its previous use and when that ceased.

UNIVERSITY RESIDENTIAL HALLS

12. DOES A PUBLIC RIGHT OF WAY CROSS OR ABUT THE SITE OR THE PROPOSED ACCESS? YES/NO — If yes, show existing route(s) and any proposed alternatives on the plans

13. ARE THERE ANY TREES ON THE SITE? IF YES, ARE ANY TO BE FELLED? YES/NO — If yes, please show their positions, spread and species on the plans and which, if any, are to be felled.

14. STATE EXTERNAL MATERIALS TO BE USED.

N/A

15. HOW WILL THE SITE BE ENCLOSED? Say whether walls, fences or hedges, and give height, colour and materials. If the site is divided into plots, say how each is to be enclosed.

N/A

16. HOW WILL SURFACE WATER BE DISPOSED OF?

N/A

17. HOW WILL FOUL SEWAGE BE DISPOSED OF?

N/A

To existing system YES/NO

If no, please give details

18. WHAT ARE THE ACCESS ARRANGEMENTS?
AS EXISTING
AS PROPOSED
Give details of pedestrian and vehicular access

DEDICATED ACCESS TO SIBLEY HALL PROVIDED OFF REDHATCH DRIVE

19. HAS PROVISION BEEN MADE FOR THE DISABLED? See notes for applicants

N/A

20. IF THIS PROPOSAL INVOLVES RESIDENTIAL DEVELOPMENT OR THE LOSS OF RESIDENTIAL UNITS, COMPLETE THE FOLLOWING TABLE

	No. OF DWELLINGS/HABITABLE ROOMS PROPOSED		TO BE RETAINED		TO BE LOST	
HOUSE	/	*	/	*	/	*
BUNGALOW	/	*	/	*	/	*
FLAT/MAISONETTE	/	*	/	*	/	*
OTHER	/	*	/	*	/	*

* STATE No. OF HABITABLE ROOMS

21. DOES THE PROPOSAL INVOLVE ANY NON-RESIDENTIAL BUILDING OR USE? YES/NO — If YES, complete Part 2 of the form

22. DOES THE PROPOSAL INVOLVE THE WINNING, WORKING OR PROCESSING OF MINERALS: THE DISPOSAL OF MINERAL WASTE, OR THE DEPOSIT OR PROCESSING OF REFUSE AND WASTE MATERIALS? YES/NO — If YES, please ask for and complete Part 3 of the form

23. STATE THE FEE ENCLOSED WITH THIS APPLICATION The current scale of fees is enclosed. If you believe a reduced fee or no fee is payable, say why.

£190

I hereby apply for permission in respect of the particulars described above and in the attached plans and drawings. If planning permission is granted, the development must be carried out strictly in accordance with the approved plans. Failure to do so could result in enforcement action being taken. Permission under the Town & Country Planning Acts does not obviate the possible need to apply for Building Regulations approval.

SIGNED B Stephenson ON BEHALF OF HUTCHISON 3G UK LTD DATE 8/2/02

Before submitting the application check that it is complete, that all questions have been answered and that the site boundary and the new work are clearly edged in red on the plans. Every application must be accompanied by the appropriate certificate and fee. See "NOTES TO HELP APPLICANTS".

1769c

PLANNING APPLICATION

PART 2

This part of the form need only be completed if the application involves non-residential development. Please answer all questions in print or block letters. If the answer is not applicable, write N/A in the space. You may wish to amplify your answers in a covering letter.

24. STATE THE GROSS FLOOR SPACE (by external measurement) OF ALL BUILDINGS TO WHICH THIS APPLICATION REFERS. Please give all floor areas in SQUARE METRES.

	USE CLASS	Existing floor space		Proposed additional floorspace created by	
		Retained in existing use	Lost by change of use or demolition	New building	Change of use
A1	SHOPS				
A2	FINANCIAL AND PROFESSIONAL SERVICES				
A3	FOOD AND DRINK				
B1(a)	OFFICE (other than A2)				
B1 (b)	RESEARCH AND DEVELOPMENT				
B1 (c)	LIGHT INDUSTRIAL				
B2	GENERAL INDUSTRIAL				
B3-7	SPECIAL INDUSTRIAL				
B8	STORAGE OR DISTRIBUTION				
C1	HOTELS AND HOSTELS				
C2	RESIDENTIAL INSTITUTIONS				
D1	NON-RESIDENTIAL INSTITUTIONS				
D2	ASSEMBLY AND LEISURE				
OTHER	Please Specify TELECOMMUNICATION BASE STATION	0	0	1.62m^2	0
OTHER	Please Specify				
	TOTAL				

25. IF C1 OR C2 USE IS PROPOSED, PLEASE STATE NUMBER OF BED SPACES

26. WHAT PROVISION IS BEING MADE FOR PARKING?

OCCASIONAL MAINTENANCE VEHICLES USE EXISTING PARKING ARRANGEMENTS

	Cars	Lorries
Existing		
Proposed		

27. DESCRIBE THE ACTIVITY OR PROCESSES TO BE CARRIED ON
Please provide details of any equipment, plant or machinery to be installed and any end products. You may wish to amplify your answers in a covering letter.

TELECOMMUNICATION BASE STATION

28. WHO WILL OCCUPY THE PREMISES?
a) Give the name and current operating address of the proposed occupier
b) Will these premises be vacated?

SITE OPERATED BY HUTCHISON 3G UK LTD

29. IF KNOWN, HOW MANY PEOPLE ARE LIKELY TO BE EMPLOYED ON SITE AFTER COMPLETION OF THE DEVELOPMENT?

Existing Staff	Transferred Staff	New Staff	Total
0	0	0	0

30. DOES THE PROPOSAL INVOLVE THE USE OR STORAGE OF ANY OF THE HAZARDOUS SUBSTANCES LISTED IN THE NOTES?
If so, state this material, the quantity and method of storage.

NO

Before submitting the application check that it is complete, that all questions have been answered and that the site boundary and the new work are clearly edged in red on the plans. Every application must be accompanied by the appropriate certificate and fee. See "NOTES TO HELP APPLICANTS'.

1769d

YOUR PLANNING APPLICATION

WHY DO YOU NEED TO MAKE A PLANNING APPLICATION ?

New buildings, major alterations and enlargement of existing buildings, and many changes in the use of buildings and land need planning permission.
The Town and Country Planning Acts impose a duty on Local Authorities to control these changes, and this means that a balance has to be found between the need and pressure for change, and the desire to protect the character of settlements and the countryside.
The merits of each application are, therefore, carefully examined.

WHAT ELSE MAY YOU HAVE TO DO ?

Listed Building Consent: for works to a Listed Building; or for demolition works on land within the curtilage of a Listed Building or within a Conservation Area.

Advertisement Consent: for the display of advertisements or signs

Building Regulation Approval: for most new building or construction work.

Special forms are available for these types of applications.

You should also check whether there are any other regulations with which you may need to comply.

WHAT HAPPENS TO THE APPLICATION ?

It will first be checked to see if it is complete and if it is, it will be registered.

Consultations will be carried out with public and other bodies, such as the Highway Authority, or Local Parish Councils.

Publicity may be given to allow local people the opportunity to comment on your proposals.

The application will be considered in relation to the Council's planning policies and guidelines, the past history of decisions on that site or in the locality, other standards (such as parking, or visibility at road junctions), and any other material considerations.

The site will be visited by a Planning Officer You may be asked to submit more information, or to amend your application.

The application will then be considered either by a Planning Committee or Sub Committee (made up of Councillors) or by the Chief Officer responsible for planning matters. Objections to an application will be taken into consideration by the Committee or the Chief Officer.

Shortly after the application has been determined, you will receive a Decision Notice.

HOW LONG WILL IT TAKE ?

An application will generally be determined within eight weeks although a longer period may sometimes be required for a complicated application.

WHAT SORT OF DECISION CAN BE MADE ?

Your application may be approved.

Your application may be approved subject to certain conditions. These could impose restictions on the use of land or buildings, or require further details to be approved at a later stage, (e.g. materials or landscaping).
You may appeal against the conditions, but this opens the entire permission to review by the Secretary of State.

Your application may be refused. The reason will be listed on the Decision Notice.

WHAT HAPPENS IF THE APPLICATION IS REFUSED ?

You have the right to appeal against the refusal to the Secretary of State, but you have to do that within six months. Appeals can be dealt with by written representations by both sides, or by a Public Inquiry.
You may ask the Planning Officer whether an amended application would be more likely to receive planning permission.

DATA PROTECTION ACT 1984

'Information contained in this form is likely to be personal data within the terms of the Data Protection Act 1984, and as such will be held by the Council on computer (such as the PLANAPS applications processing system) and may be used by the Council only for purposes registered under the terms of the Data Protection Act.'

(1) SIBLEY HALL, UNIVERSITY OF READING

ADDRESS REAR OF REDHATCH DRIVE PARISH EARLEY

PLOT No. P.C. 04170200 ORD. SHEET No. SU. 58 7470

BUILDER

Plan No.	Applicant	Description of Development	Date of Decision	Decision
O/242/61	Colebrook & Co Ltd	Outline Residential Development	5.10.61	N/A. Refs
O/219/64	Bursar-Reading University	Outline Expansion of Reading University	16.9.64	N/A. Cl
R/303/65	"	Hostel for 315 Students	12.1.66	N/A. Ap
PD/87/66	"	" "	15.2.66	App. N/
R/346/67	"	Temp. single storey Building for Recreational Purposes	23.11.67	App. 31.12 T.P.
R/75/68	"	2 Garages & Cycle Shelters	11.4.68	App. Ref
R/308/68	The University of Reading	Garage & covered cycle Park	23.1.69	App. App
R/395/68	"	Revision of Car Parking Area for 75 cars	no decision given - application deemed Refused by default	
R/434/69	"	Renewal of Temp consent for Bldg used for recreational purposes	1.1.70	N/A. 31. T
2006/72	Mrs H. Bortoft Bursar/Officer Univ-Reading	"	21.12.72	App

DATE OF COMPLETION

MINISTRY DECISION

SPECIAL ORDERS

DRAINAGE

(2) SIBLEY HALL, UNIVERSITY OF READING

ADDRESS REAR OF REDHATCH DRIVE. PARISH EARLEY

PLOT No. TL 11 TL020 TL022 P.C. 04 170 200 ORD. SHEET No SU7470

BUILDER

Plan No.	Applicant	Description of Development	Date of Decision	Decision
BR 359	University of Reading.	Covered way.	9. 4. 74	Refused.
003591	" "	"	18 4 74	N/A C/A
BR 359	" "	"	24. 4. 74	(Relaxed) App. N/A
21297	"	RENEWAL RECR. BUILDING	31.5.84	N/A CIA
35456	"	RENEWAL "	9.5.90	2 yrs
39123	"	O/L. S/ST. RECR. BLDG TO REPLACE TEMP. BLDG.	30.3.92	CIA
39218	"	RENEWAL RECR. BLDG	10-6-92	30.6.
44067	"	RECREATIONAL BLDG (39123)	6.7.93	CIA
FP93/1528	"	EXT. TO JUNIOR COMMON ROOM (ROOF-MOUNTED)	12.7.93	APP
FP93/2098	"	TELECOMM. CABIN & ANTENNAE	26.11.93	APP

DATE OF COMPLETION

MINISTRY DECISION

SPECIAL ORDERS TL 64 - TOWER, ANTENNAE, DISHES ETC - NEARLY

DRAINAGE

1933 - SIBLEY HALL UNIVERSITY OF READING

(3)

ADDRESS REAR OF REDHATCH DRIVE PARISH EARLEY

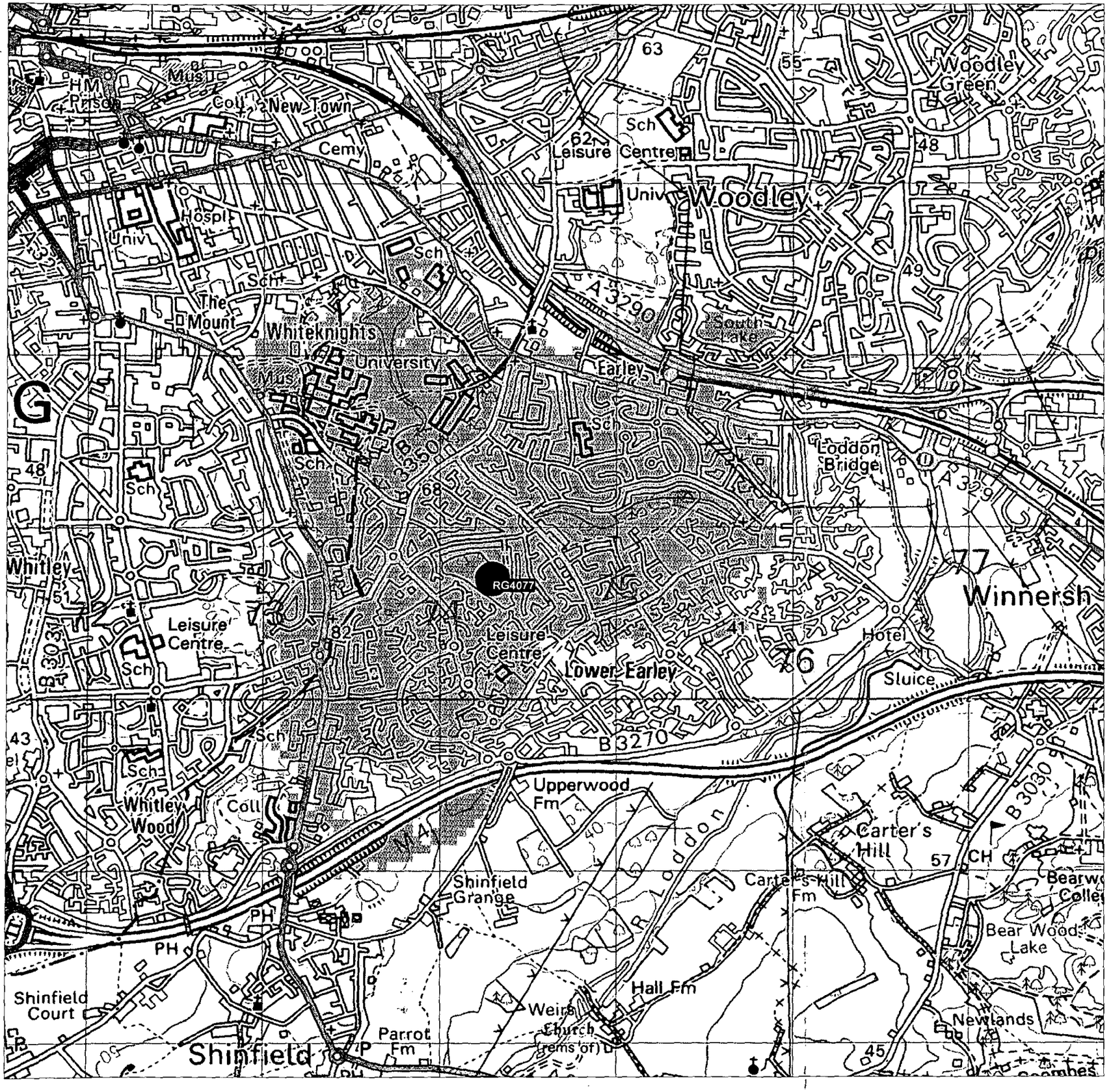
PLOT No. TL 11 TL020 TL022 P.C. 04 170 200 ORD. SHEET No. SU 747C

BUILDER

Plan No.	Applicant	Description of Development	Date of Decision	Decis
98/67127/F	IONICA plc	6 ANTENNAS / 4 DISHES / EQ. CABIN ON ROOF	APP + APPEAL	W/D
98/67273/F				
FP98/7355	Vodafone Ltd.	Rooftop telecomms equip + antennas	15.04.98	APP
FP98/7857	Orange — Upgrading	roof top telecom antennas + base station for orange	19.08.98	APP
TL/2001/3279	W/D			
TL/2001/3824	Miss C A Smyth	erection of 3G equipment cabin on rooftop of hall	25.5.01	C
F/2002/5913	Hutchinson 3G UK Ltd	Telecom. base station - 3 antennas, 4 microwave dishes & support cabin on rooftop		

MINISTRY DECISION

SPECIAL ORDERS



Enterprise V3.4

Copyright © Edward Wong

Sibley Court

Site coverage

Tue Feb 05 10:42:32 2002

Map Backdrop
Best Server
UMTS
x> -95.5 dBm Suburban
[Site] [Property] EW_single Sites
Candidates: SL6055

14.FEB.2002 5913

0 10 20 30 40 50 60 70 80 90 100

Top Right: 000°52'50.30"W 51°27'0.58"N
Bottom Left: 000°58'16.27"W 51°24'48.76"N
Scale Ratio 1:22799

0 0.50 1.00 1.50 2.00 Km

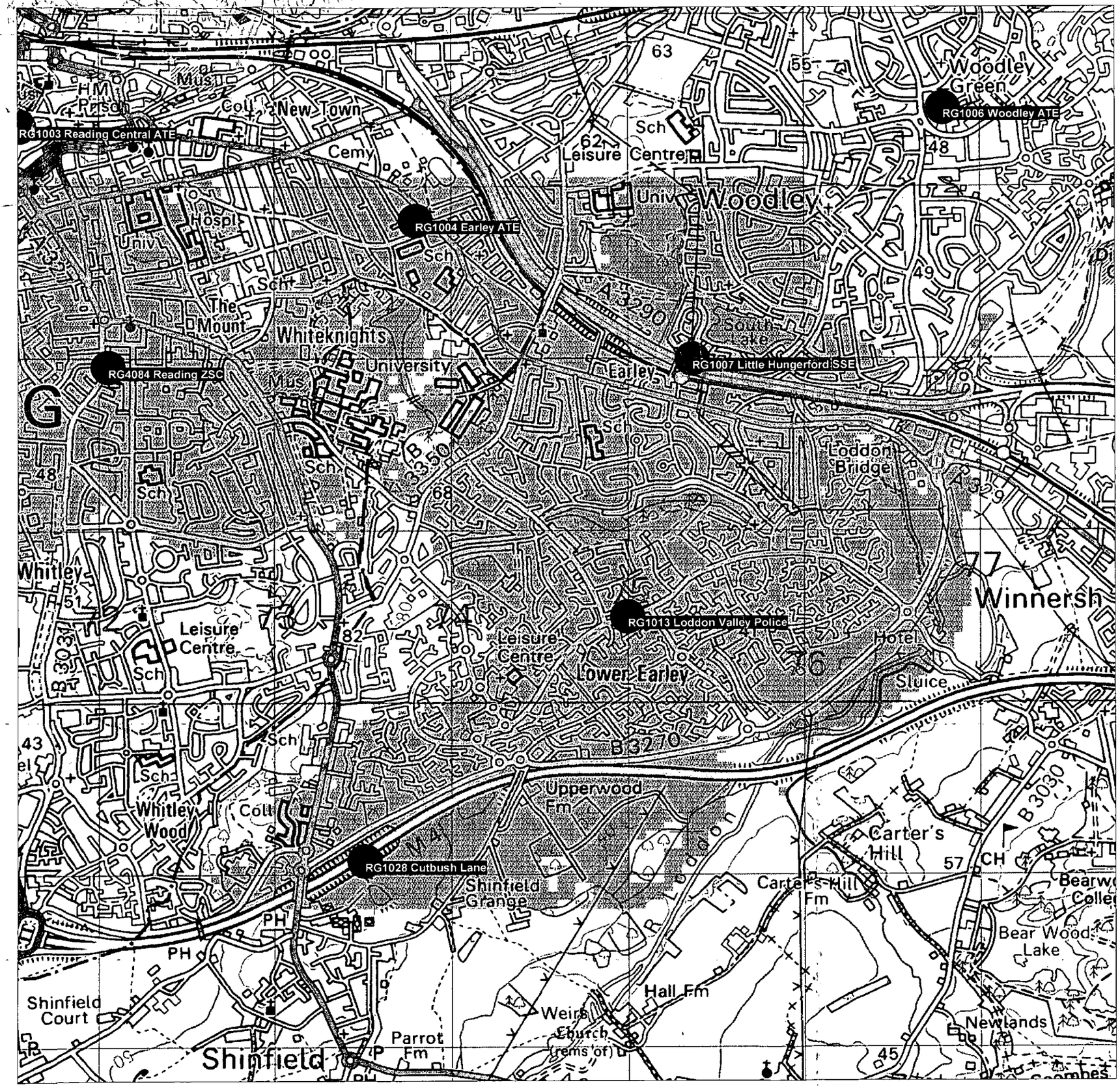
Enterprise V3.4

Copyright © Edward Wong

Sibley Court

Coverage without Sibley Court

Tue Feb 05 10:39:55 2002



14.FEB.2002* 5913

Top Right: 000°52'50.30"W 51°27'0.58"N
Bottom Left: 000°58'16.27"W 51°24'48.76"N
Scale Ratio 1:22799

0 0.50 1.00 1.50 2.00 Km

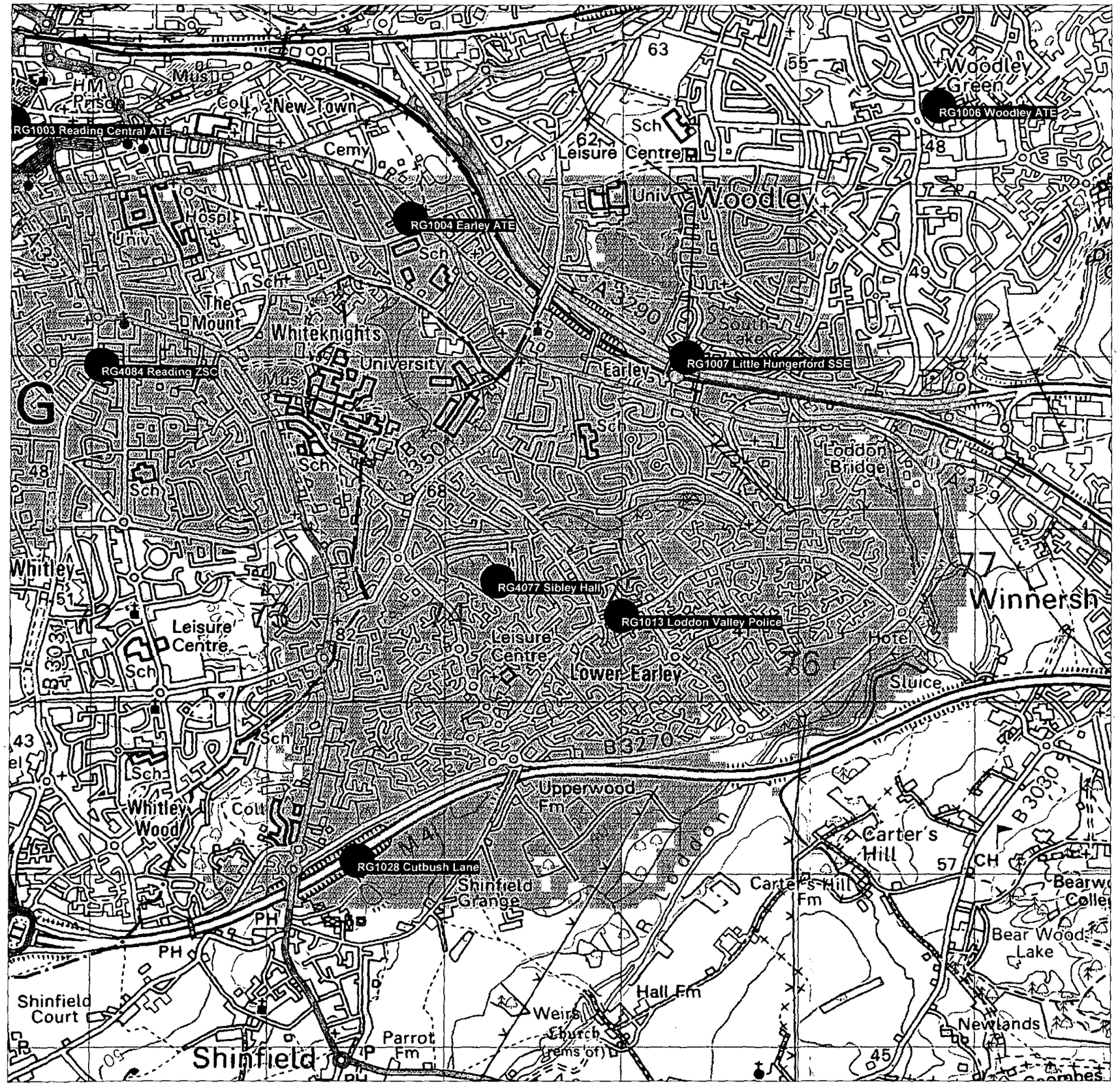
Enterprise V3.4

Copyright © Edward Wong

Sibley Court

Coverage plot

Tue Feb 05 10:41:02 2002



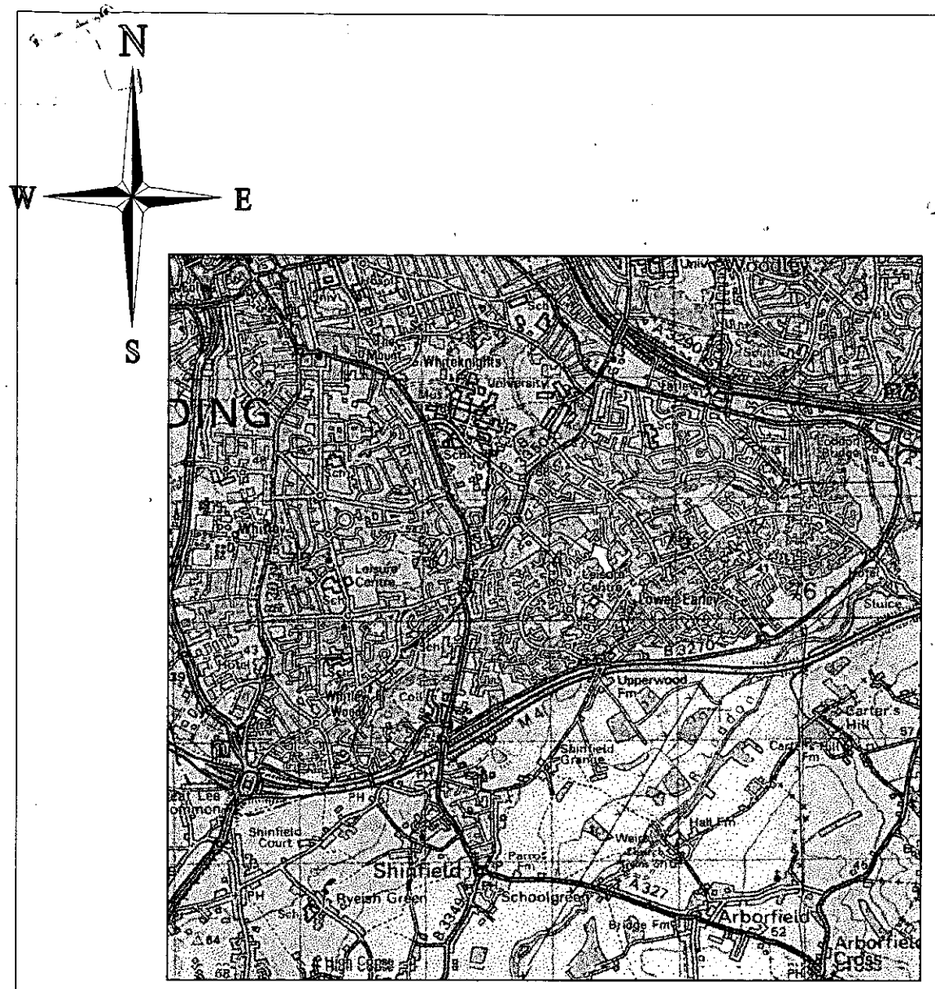
Map Backdrop
Best Server
UMTS
x> -95.5 dBm Suburban
HCN5_EW
[Site] [Property] EW_active Sites
Candidates: SL6055

14.FEB.2002* 5913

0 10 20 30 40 50 60 70 80 90 100

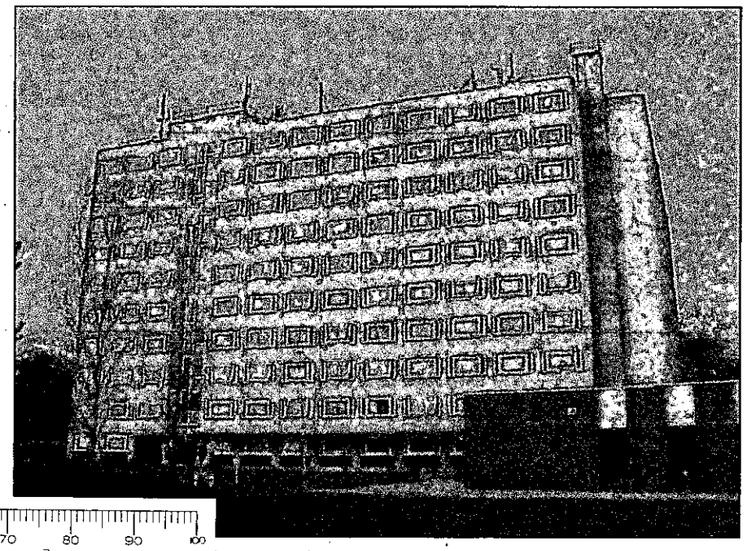
Top Right: 000°52'50.30"W 51°27'0.58"N
Bottom Left: 000°58'16.27"W 51°24'48.76"N
Scale Ratio 1:22799

0 0.50 1.00 1.50 2.00 Km

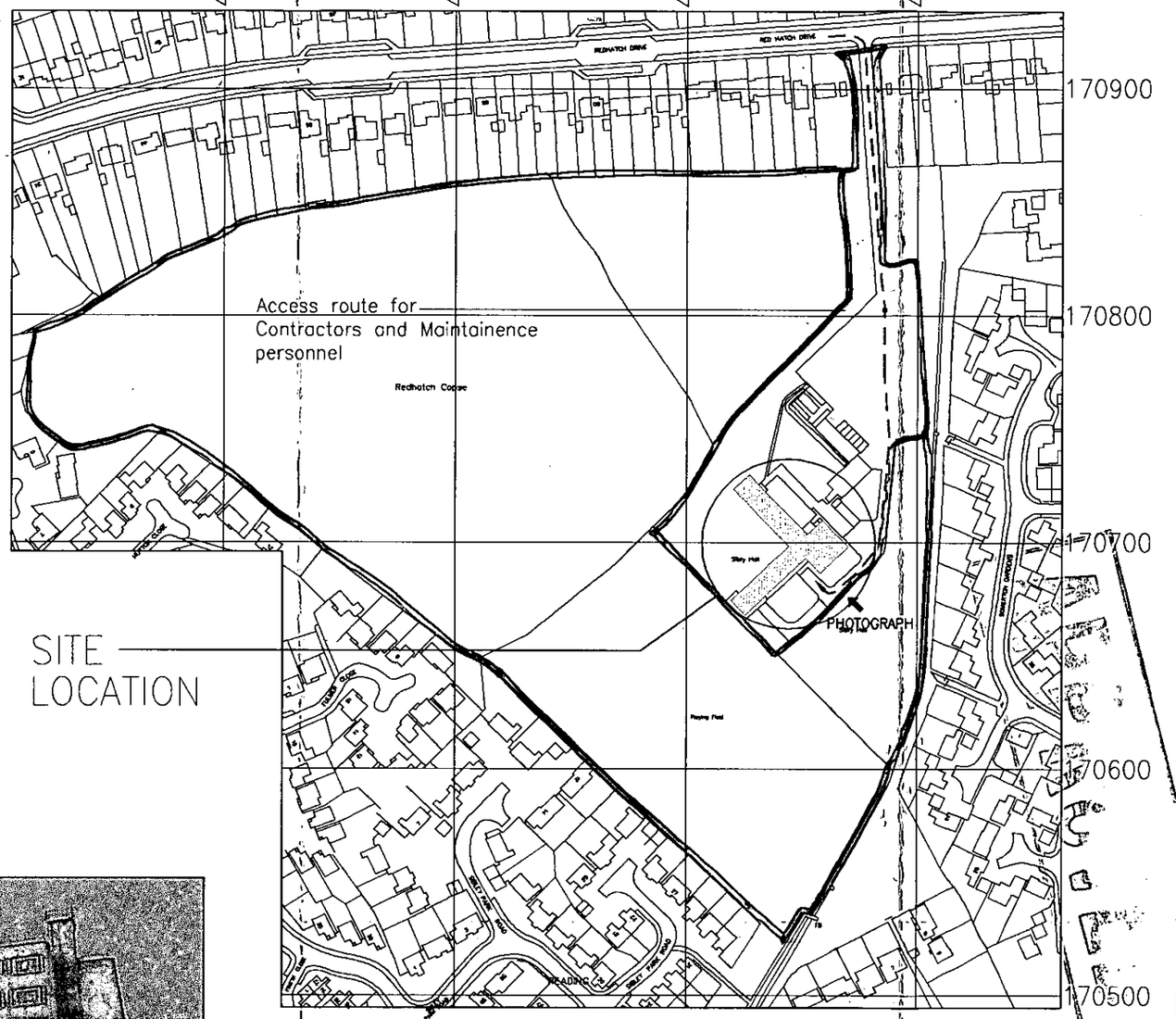


GENERAL LOCATION PLAN

Scale 1:50000



SITE PHOTOGRAPH



SITE LOCATION

SCALE 1/2500

Ordnance Survey map extract.

O.S. co-ordinates 474344/170696

Based upon Ordnance Survey at 1:1250 with the permission of the Controller of Her Majesty's Stationery Office.
© Crown copyright.
Licence No. 100020449

NOTE:

THE USE OF COLOURED LINES ON THIS DRAWING REPRESENTS PROPOSED WORKS AND NOT THE COLOURS OF H3G'S EQUIPMENT.

	APPROVED	REJECTED	DATE
ACQUISITION			
CONSTRUCTION			
RADIO			
TRANSMISSION			

LEGEND

- MHA
- Safety sign
- Existing external light
- Proposed external light
- Proposed Anchor Point
- Proposed Exclusion Zone
- Proposed Power/Generator Route
- Proposed access to cabin
- Proposed Guide Rail
- Proposed Hand Rail
- Existing Hand Rail
- Proposed Cherrypicker location
- Proposed Cable Tray

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 specified.

5013

14.FEB.2002

PROPOSED HUTCHISON 3G EQUIPMENT

Proposed Cabin/Cabinet Details

Hutchison Ref:- NEC NODE B OUTDOOR CABINET
Dimensions:- 1800 x 900 x 1300 HIGH
Colour:- LIGHT AIRCRAFT GREY B3391C 627

Proposed Site Access/Route

Exit the M4 at J11 and turn onto the B3270. Continue on the B3270 running parallel with the motorway for approx 1mile until you reach the A327. Turn left onto the A327 heading north. Continue North for approx 1 mile and then turn right onto the B3350. At the first island you come to on the B3350 turn right and then first left onto Redhatch Drive. Continue along Redhatch Drive for approx 500mm and then turn right into Sibley Hall(see Location Plan)

Proposed Tower Details

Height:- N/A
Type:- N/A
Hutchison Ref:- N/A
Colour:- N/A

Proposed Transmission Details

No.	Size	Hgt	Type	Orientation
DRL 1	600	32.30m	TBC	TBC
DRL 2	600	32.30m	TBC	TBC
DRL 3	600	32.30m	TBC	TBC
DRL 4	600	33.00m	TBC	TBC

(Height is measured to centre of DRL)

Proposed Antenna Details

No.	Size	Hgt	Type	Orientation	Feeder lgth
A1	1.7m	30.90m	R2212	60°	14.00m
B1	1.7m	33.80m	R2212	230°	28.20m
C1	1.7m	33.80m	R2212	330°	28.20m

(Antenna height is measured to base of antenna)
(Feeder lengths from Cabin/Cabinet to each antenna)

REV.	DATE	DESCRIPTION	CHK	APP
B1	30/01/02	PLANNING ISSUE	SJS	MDC
A5	28/01/02	MINOR AMENDMENTS	SJS	MDC
A4	15/01/02	MOVE ANTENNAS B1 &C1	SJS	MDC
A3	19/12/01	NEW DRAWING NUMBER & SCHEDULE	SJS	MDC
A2	10/12/01	REVISED TITLE BLOCK	SJS	MDC
A1	06/12/01	PRELIMINARY ISSUE	SJS	MDC

Hutchison 3G

Hutchison 3G UK Limited
Star House, 20 Grenfell Road, Maidenhead, SL6 1EH
Tel: 08450 703 000 Fax: 08450 703 001
H3G Base Station Information line: 0845 6043000
Available 8am-10pm 7 days a week.

SMITH WOOLLEY TELECOM
36 BARTON STREET
BATH
BA1 1HG
TEL: 01225 427000
FAX: 01225 463000
EMAIL: mail@swtele.co.uk

Site: SIBLEY HALL, REDHATCH DRIVE
READING
BERKSHIRE
RG6 5YU

Title: LOCATION PLAN

Purpose of Issue: PLANNING

Drawing no. 00195009-111

Site ID: 00195009

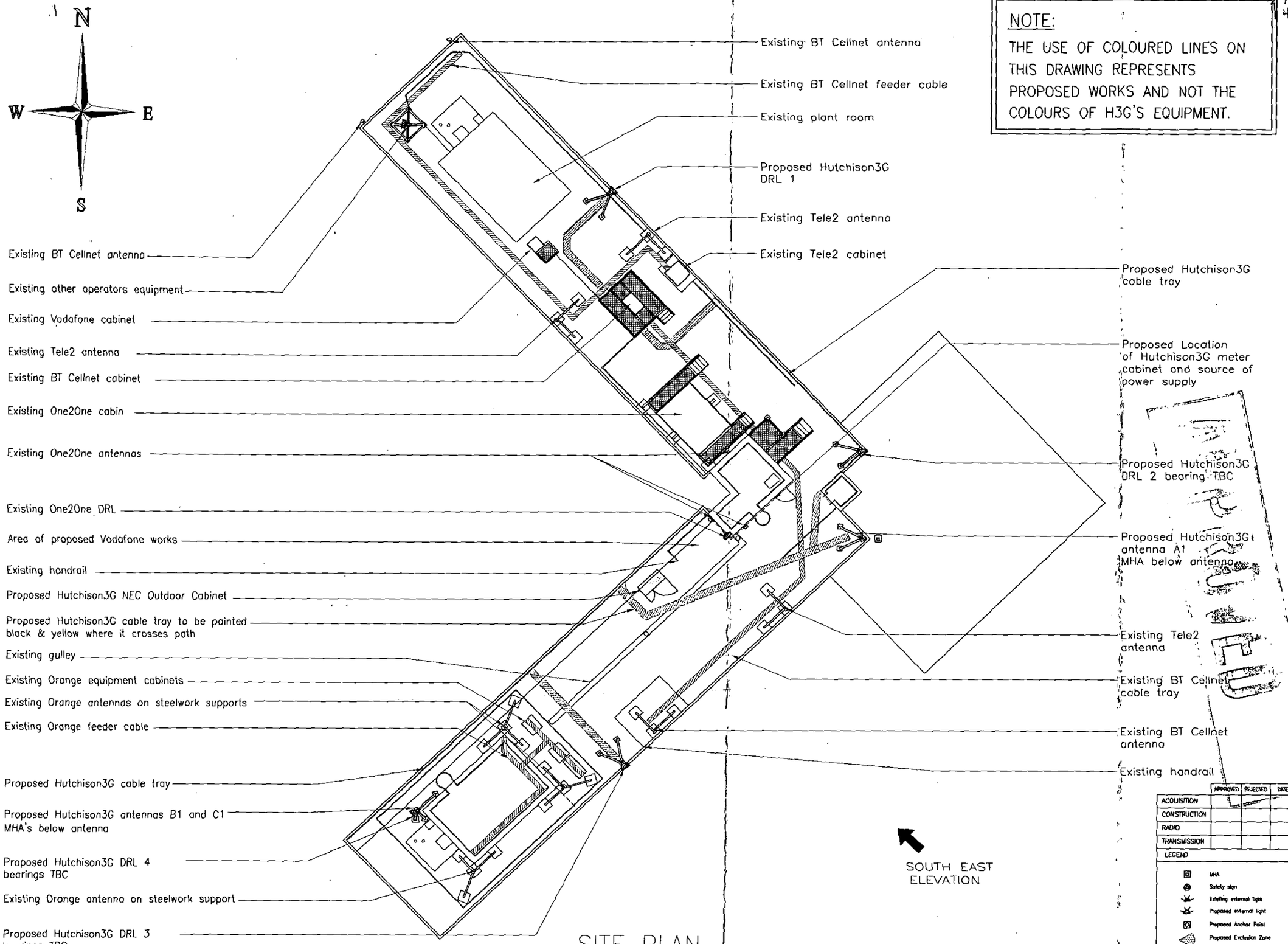
Nominal ID: RG4077

Issue:	Scale: AS SHOWN	Checked: SJS	Date: 12/01
B1	Drn: BH	Date: 05/12/01	Approv: MDC	Date: 12/01

Consultant ref no: CAM5004H

ORIGINAL SIZE - A1

THIS DRAWING IS THE PROPERTY OF HUTCHISON 3G & MUST NOT BE COPIED, TRACED OR REPRODUCED WITHOUT THEIR WRITTEN CONSENT.



SITE PLAN
SCALE 1:250

SOUTH EAST ELEVATION

NOTE:
THE USE OF COLOURED LINES ON THIS DRAWING REPRESENTS PROPOSED WORKS AND NOT THE COLOURS OF H3G'S EQUIPMENT.

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 specified.

PROPOSED HUTCHISON 3G EQUIPMENT

Proposed Cabin/Cabinet Details
Hutchison Ref:- NEC NODE B OUTDOOR CABINET
Dimensions:- 1800 x 900 x 1300
Colour:- LIGHT AIRCRAFT GREY BS381C\627

Proposed Site Access/Route
Exit the M4 at J11 and turn onto the B3270. Continue on the B3270 running parallel with the motorway for approx 1mile until you reach the A327. Turn left onto the A327 heading north. Continue North for approx 1 mile and then turn right onto the B3350. At the first island you come to on the B3350 turn right and then first left onto Redhatch Drive. Continue along Redhatch Drive for approx 500mm and then turn right into Sibley Hall(see Location Plan)

Proposed Tower Details
Height:- N/A
Type:- N/A
Hutchison Ref:- N/A
Colour:- N/A

Proposed Transmission Details

No.	Size	Hgt	Type	Orientation
DRL 1	600	32.30m	TBC	TBC
DRL 2	600	32.30m	TBC	TBC
DRL 3	600	32.30m	TBC	TBC
DRL 4	600	33.00m	TBC	TBC

(Height is measured to centre of DRL)

Proposed Antenna Details

No.	Size	Hgt	Type	Orientation	Feeder lgth
A1	1.7m	30.90m	R2212	60°	14.00m
B1	1.7m	33.80m	R2212	230°	28.20m
C1	1.7m	33.80m	R2212	330°	28.20m

(Antenna height is measured to base of antenna)
(Feeder lengths from Cabin/Cabinet to each antenna)

REV.	DATE	DESCRIPTION	CHK	APP
B1	30/01/02	PLANNING ISSUE	SJS	MDC
A6	29/01/02	MINOR AMENDMENTS	SJS	MDC
A5	25/01/02	MOVE DISH DRL3	SJS	MDC
A4	15/01/02	MOVE ANTENNAS B1 &C1	SJS	MDC
A3	19/12/01	NEW DRAWING NUMBER & SCHEDULE	SJS	MDC
A2	10/12/01	REVISED TITLE BLOCK	SJS	MDC
A1	06/12/01	PRELIMINARY ISSUE	SJS	MDC

	APPROVED	REJECTED	DATE
ACQUISITION			
CONSTRUCTION			
RADIO			
TRANSMISSION			

LEGEND
- MHA
- Safety sign
- Existing external light
- Proposed external light
- Proposed Anchor Point
- Proposed Exclusion Zone
- Proposed Power/Generator Route
- Proposed access to cabin
- Proposed Guide Rail
- Proposed Hand Rail
- Existing Hand Rail
- Proposed Cherrypicker location
- Proposed Cable Tray

Hutchison 3G
Hutchison 3G UK Limited
Star House, 20 Grenfell Road, Maidenhead, SL6 1EH
Tel: 08450 705 000 Fax: 01628 765 001
H3G Base Station Information Line: 0845 6043000
Available 8am-6pm 7 days a week.

SMITH WOOLLEY TELECOM
34 BARTON STREET
BATH
BA1 1HG
TEL: 01225 427000
FAX: 01225 460000
EMAIL: mail@smiwo.co.uk

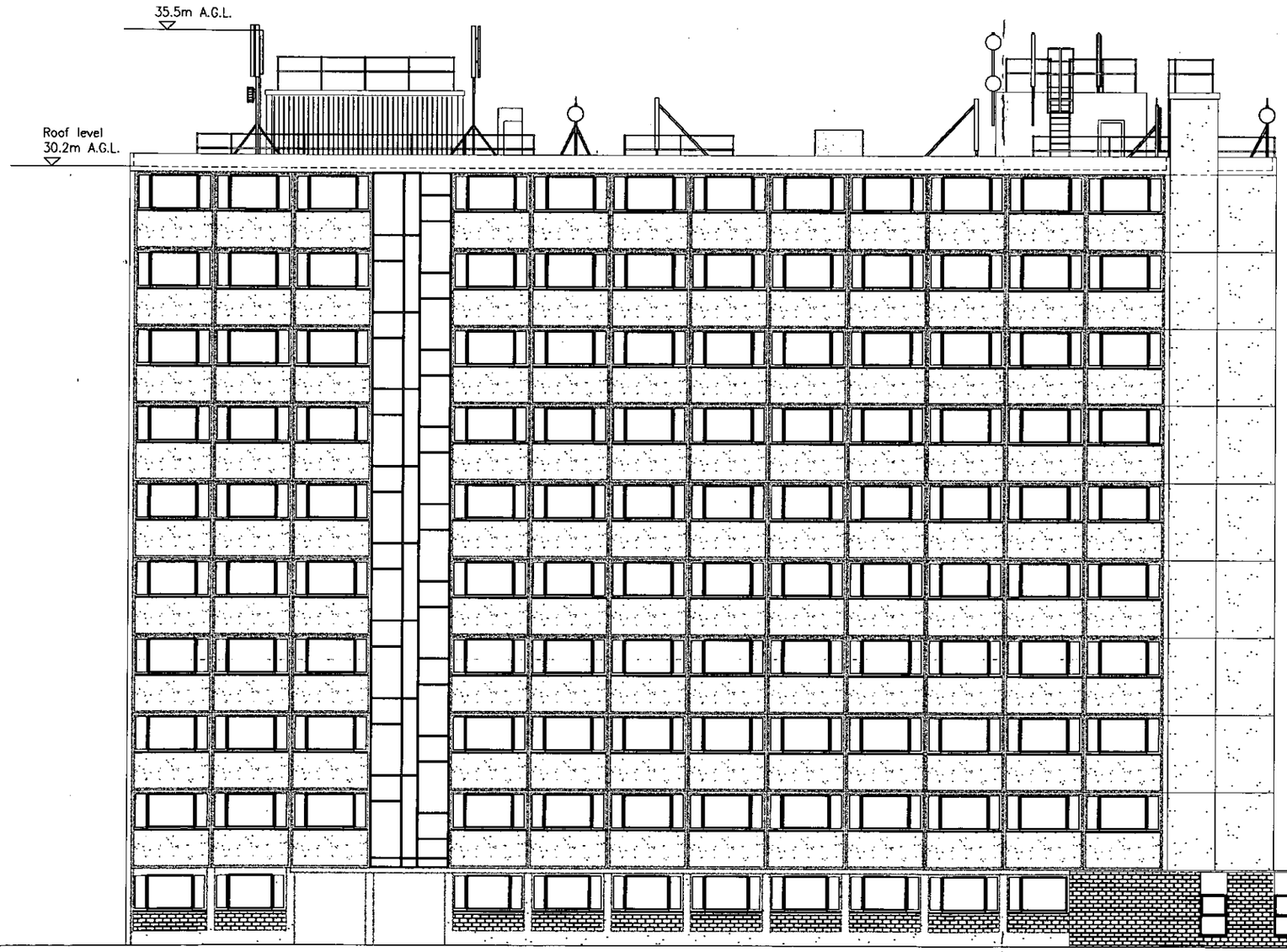
Site: SIBLEY HALL , REDHATCH DRIVE
READING
BERKSHIRE
RG6 5YU

Title: SITE PLAN
Purpose of Issue: PLANNING
Drawing no.: 00195009-112
Site ID: 00195009
Nominal ID: RG 4077
Issue: B1 | Scale: AS SHOWN | Drn: BH | Date: 30/12/01 | Checked: SJS | Date: 12/01 | Approved: MDC | Date: 12/01
Consultant ref no: CAM5004H

ORIGINAL SIZE - A1

THIS DRAWING IS THE PROPERTY OF HUTCHISON 3G & MUST NOT BE COPIED, TRACED OR REPRODUCED WITHOUT THEIR WRITTEN CONSENT.

14.FEB 2002* 5913



SOUTH EAST ELEVATION
SCALE 1:200

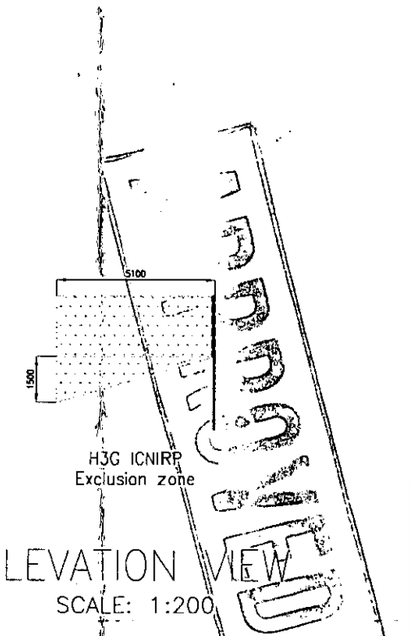
0 10 20 30 40 50 60 70 80 90 100

THIS DRAWING IS THE PROPERTY OF HUTCHISON 3G & MUST NOT BE COPIED, TRACED OR REPRODUCED WITHOUT THEIR WRITTEN CONSENT.

NOTE:

THE USE OF COLOURED LINES ON THIS DRAWING REPRESENTS PROPOSED WORKS AND NOT THE COLOURS OF H3G'S EQUIPMENT.

This site is designed to be in full compliance with the requirements of the radio frequency (RF) public exposure guidelines of the International Commission on Non-Ionizing Radiation Protection (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)".



ELEVATION VIEW
SCALE: 1:200

	APPROVED	REJECTED	DATE
ACQUISITION			
CONSTRUCTION			
RADIO			
TRANSMISSION			

LEGEND

- MHA
- Safety sign
- Existing external light
- Proposed external light
- Proposed Anchor Point
- Proposed Exclusion Zone
- Proposed Power/Generator Route
- Proposed access to cabin
- Proposed Guide Rail
- Proposed Hand Rail
- Existing Hand Rail
- Proposed Cherrypicker location
- Proposed Cable Tray

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 specified.

PROPOSED HUTCHISON 3G EQUIPMENT

Proposed Cabin/Cabinet Details

Hutchison Ref:- NEC NODE B OUTDOOR CABINET
Dimensions:- 1800 x 900 x 1300
Colour:- LIGHT AIRCRAFT GREY BS381C 627

Proposed Site Access/Route

Exit the M4 at J11 and turn onto the B3270. Continue on the B3270 running parallel with the motorway for approx 1mile until you reach the A327. Turn left onto the A327 heading north. Continue North for approx 1 mile and then turn right onto the B3350. At the first island you come to on the B3350 turn right and then first left onto Redhatch Drive. Continue along Redhatch Drive for approx 500mm and then turn right into Sibley Hall(see Location Plan)

Proposed Tower Details

Height:- N/A
Type:- N/A
Hutchison Ref:- N/A
Colour:- N/A

Proposed Transmission Details

No.	Size	Hgt	Type	Orientation
DRL 1	600	32.30m	TBC	TBC
DRL 2	600	32.30m	TBC	TBC
DRL 3	600	32.30m	TBC	TBC
DRL 4	600	33.00m	TBC	TBC

(Height is measured to centre of DRL)

Proposed Antenna Details

No.	Size	Hgt	Type	Orientation	Feeder lgth
A1	1.7m	30.90m	R2212	60°	14.00m
B1	1.7m	33.80m	R2212	230°	28.20m
C1	1.7m	33.80m	R2212	330°	28.20m

(Antenna height is measured to base of antenna)
(Feeder lengths from Cabin/Cabinet to each antenna)

Fencing

B1	30/01/02	PLANNING ISSUE	SJS	MDC
A5	28/01/02	MINOR AMENDMENTS	SJS	MDC
A4	25/01/02	MINOR AMENDMENTS	SJS	MDC
A3	19/12/01	NEW DRAWING NUMBER & SCHED	SJS	MDC
A2	10/12/01	REVISED TITLE BLOCK	SJS	MDC
A1	05/12/01	PRELIMINARY ISSUE	SJS	MDC
REV.	DATE	DESCRIPTION	CHK	APP

Hutchison 3G

Hutchison 3G UK Limited
Star House, 20 Grenfell Road, Maidenhead, SL6 1EH
Tel: 01628 765 000 Fax: 01628 765 001
H3G Store Station Information line: 0845 6043000
Available 8am-6pm 7 days a week.

SMITH WOOLLEY TELECOM
24 BARTON STREET
BATH
BA1 1HG
TEL: 01225 427000
FAX: 01225 463000
EMAIL: mail@swtele.co.uk

Site: SIBLEY HALL , REDHATCH DRIVE
READING
BERKSHIRE
RG6 5YU

Title: SOUTH EAST ELEVATION

Purpose of Issue: PLANNING

Drawing no. 00195009-113

Site ID: 00195009

Nominal ID: RG 4077

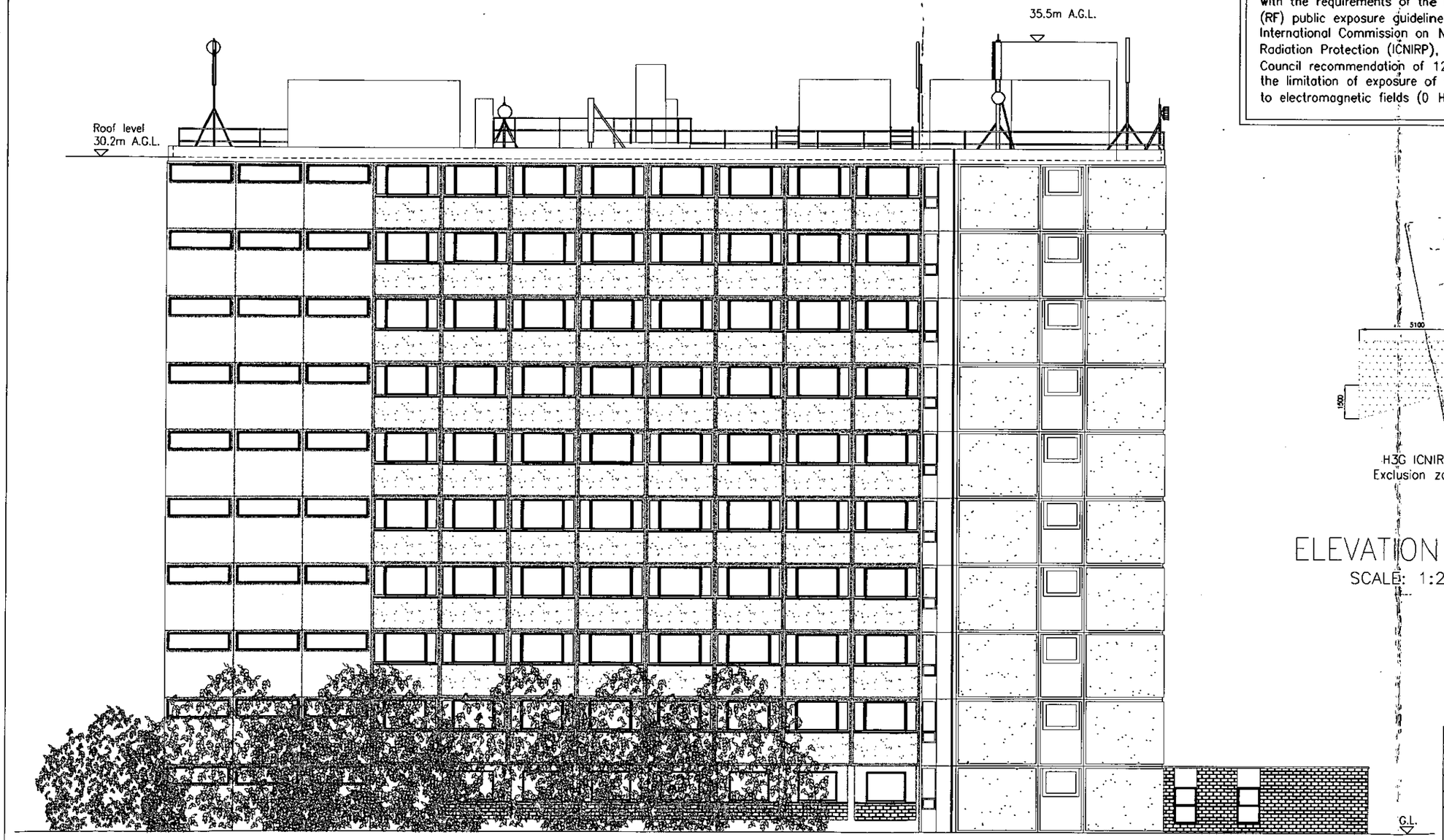
Issue:	Scale: AS SHOWN	Checked: SJS	Date: 12/01
B1	Drn: MHB	Date: 10/12/01	Approv: MDC	Date: 12/01

Consultant ref no: CAM5004H

50mm 100mm 150mm 200mm 250mm

ORIGINAL SIZE - A1

14. FEB 2002* 5913



SOUTH WEST ELEVATION
SCALE 1:200



ELEVATION VIEW
SCALE: 1:200

NOTE:
THE USE OF COLOURED LINES ON THIS DRAWING REPRESENTS PROPOSED WORKS AND NOT THE COLOURS OF H3G'S EQUIPMENT.

This site is designed to be in full compliance with the requirements of the radio frequency (RF) public exposure guidelines of the International Commission on Non-Ionizing Radiation Protection (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)".

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 specified.

PROPOSED HUTCHISON 3G EQUIPMENT

Proposed Cabin/Cabinet Details
Hutchison Ref:- NEC NODE B OUTDOOR CABINET
Dimensions:- 1800 x 900 x 1300
Colour:- LIGHT AIRCRAFT GREY BS391C 627

Proposed Site Access/Route
Exit the M4 at J11 and turn onto the B3270. Continue on the B3270 running parallel with the motorway for approx 1mile until you reach the A327. Turn left onto the A327 heading north. Continue North for approx 1 mile and then turn right onto the B3350. At the first island you come to on the B3350 turn right and then first left onto Redhatch Drive. Continue along Redhatch Drive for approx 500mm and then turn right into Sibley Hall(see Location Plan)

Proposed Tower Details
Height:- N/A
Type:- N/A
Hutchison Ref:- N/A
Colour:- N/A

Proposed Transmission Details

No.	Size	Hgt	Type	Orientation
DRL 1	600	32.30m	TBC	TBC
DRL 2	600	32.30m	TBC	TBC
DRL 3	600	32.30m	TBC	TBC
DRL 4	600	33.00m	TBC	TBC

(Height is measured to centre of DRL)

Proposed Antenna Details

No.	Size	Hgt	Type	Orientation	Feeder lgth
A1	1.7m	30.90m	R2212	60°	14.00m
B1	1.7m	33.80m	R2212	230°	28.20m
C1	1.7m	33.80m	R2212	330°	28.20m

(Antenna height is measured to base of antenna)
(Feeder lengths from Cabin/Cabinet to each antenna)

Fencing

REV.	DATE	DESCRIPTION	CHK	APP
B1	30/01/02	PLANNING ISSUE	SJS	MDC
A3	28/01/02	MINOR AMENDMENTS	SJS	MDC
A2	25/01/02	MINOR AMENDMENTS	SJS	MDC
A1	15/01/02	PRELIMINARY ISSUE	SJS	MDC

	APPROVED	REJECTED	DATE
ACQUISITION			
CONSTRUCTION			
RADIO			
TRANSMISSION			

LEGEND
- MHA
- Safety sign
- Existing external light
- Proposed external light
- Proposed Anchor Point
- Proposed Exclusion Zone
- Proposed Power/Generator Route
- Proposed access to cabin
- Proposed Guide Rail
- Proposed Hand Rail
- Existing Hand Rail
- Proposed Cherrypicker location
- Proposed Cable Tray

Hutchison 3G
Hutchison 3G UK Limited
Star House, 20 Grenfell Road, Maidenhead, SL6 1EH
Tel: 01628 765 000 Fax: 01628 765 001
H3G Base Station Information line: 0845 6043000
Available from 10pm 7 days a week.

SMITH WOOLLEY TELECOM
24 BARTON STREET
BATH
BA1 1HG
TEL: 01225 427000
FAX: 01225 463000
EMAIL: mailto@swtele.co.uk

Site: SIBLEY HALL , REDHATCH DRIVE
READING
BERKSHIRE
RG6 5YU

Title: SOUTH WEST ELEVATION

Purpose of Issue: PLANNING

Drawing no. 00195009-114

Site ID: 00195009

Nominal ID: RG 4077

Issue: B1 | Scale: AS SHOWN | Checked: SJS | Date: 12/01
Drn: MMB | Date: 10/12/01 | Approv: MDC | Date: 12/01

Consultant ref no: CAM5004H

ORIGINAL SIZE - A1

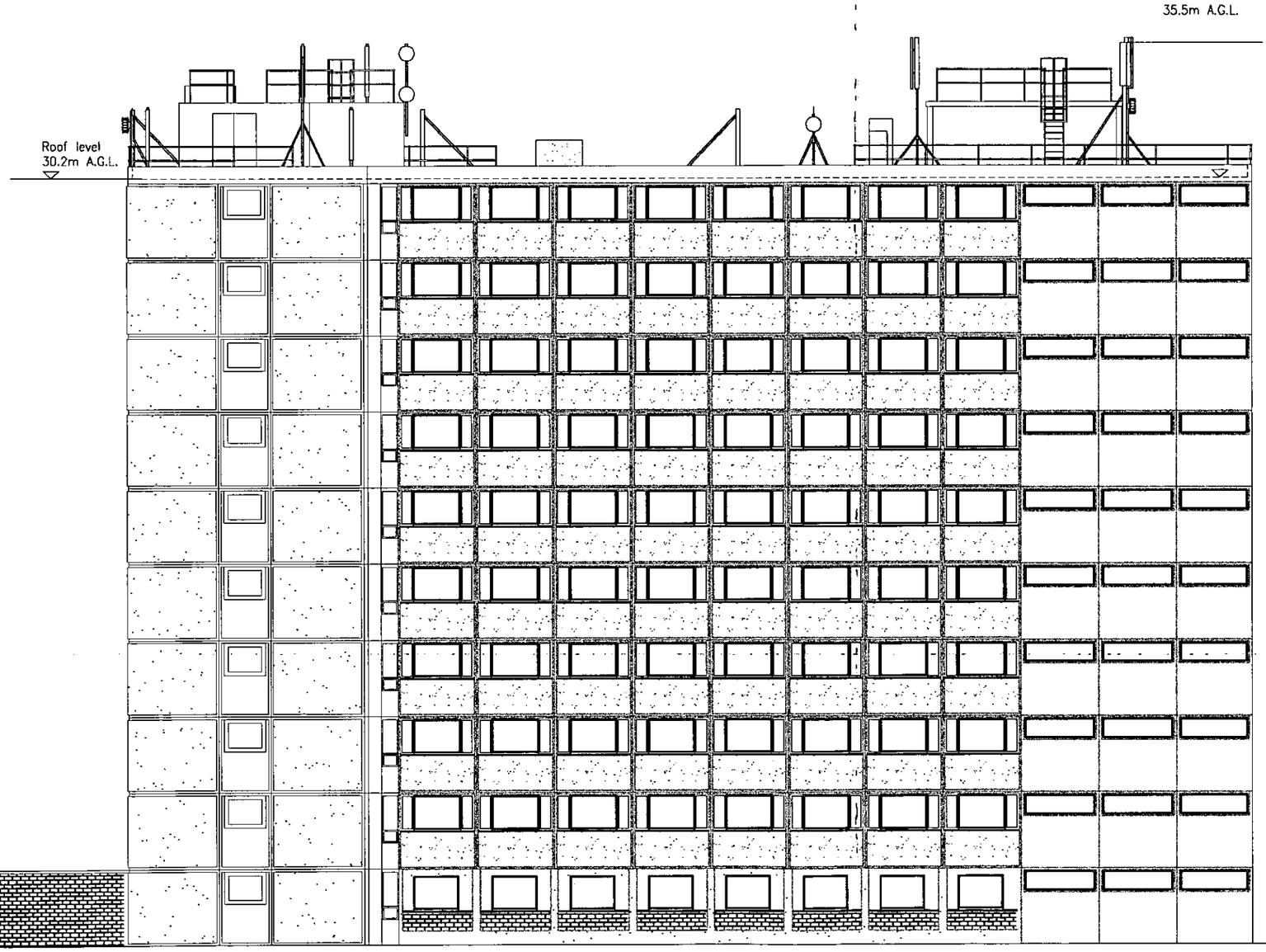
THIS DRAWING IS THE PROPERTY OF HUTCHISON 3G & MUST NOT BE COPIED, TRACED OR REPRODUCED WITHOUT THEIR WRITTEN CONSENT.

14 FEB 2002 5973

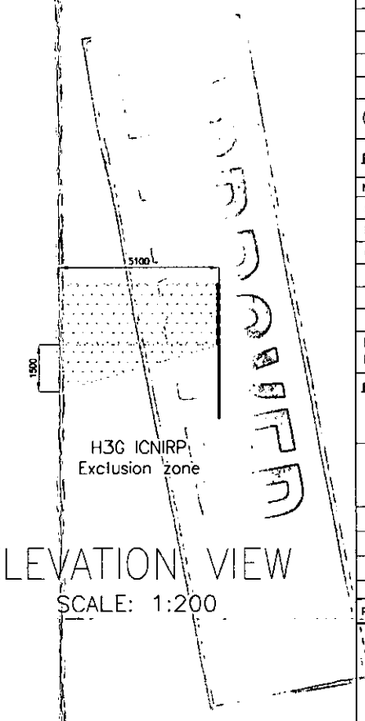
This site is designed to be in full compliance with the requirements of the radio frequency (RF) public exposure guidelines of the International Commission on Non-Ionizing Radiation Protection (ICNIRP), as expressed in EU Council recommendation of 12 July 1999 "on the limitation of exposure of the general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

NOTE:

THE USE OF COLOURED LINES ON THIS DRAWING REPRESENTS PROPOSED WORKS AND NOT THE COLOURS OF H3G'S EQUIPMENT.



NORTH WEST ELEVATION
SCALE 1:200



ELEVATION VIEW
SCALE: 1:200

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 specified.

PROPOSED HUTCHISON 3G EQUIPMENT

Proposed Cabin/Cabinet Details

Hutchison Ref:-	NEC NODE B OUTDOOR CABINET
Dimensions:-	1800 x 900 x 1300
Colour:-	LIGHT AIRCRAFT GREY BS391C 627

Proposed Site Access/Route

Exit the M4 at J11 and turn onto the B3270. Continue on the B3270 running parallel with the motorway for approx 1mile until you reach the A327. Turn left onto the A327 heading north. Continue North for approx 1 mile and then turn right onto the B3350. At the first island you come to on the B3350 turn right and then first left onto Redhatch Drive. Continue along Redhatch Drive for approx 500mm and then turn right into Sibley Hall(see Location Plan)

Proposed Tower Details

Height:-	N/A
Type:-	N/A
Hutchison Ref:-	N/A
Colour:-	N/A

Proposed Transmission Details

No.	Size	Hgt	Type	Orientation
DRL 1	600	32.30m	TBC	TBC
DRL 2	600	32.30m	TBC	TBC
DRL 3	600	32.30m	TBC	TBC
DRL 4	600	33.00m	TBC	TBC

(Height is measured to centre of DRL)

Proposed Antenna Details

No.	Size	Hgt	Type	Orientation	Feeder lgth
A1	1.7m	30.90m	R2212	60°	14.00m
B1	1.7m	33.80m	R2212	230°	28.20m
C1	1.7m	33.80m	R2212	330°	28.20m

(Antenna height is measured to base of antenna)
(Feeder lengths from Cabin/Cabinet to each antenna)

Exclusion zone

REV.	DATE	DESCRIPTION	CHK	APP
B1	30/01/02	PLANNING ISSUE	SJS	MDC
A3	28/01/02	MINOR AMENDMENTS	SJS	MDC
A2	25/01/02	MINOR AMENDMENTS	SJS	MDC
A1	15/01/02	PRELIMINARY ISSUE	SJS	MDC

	APPROVED	REJECTED	DATE
ACQUISITION			
CONSTRUCTION			
RADIO			
TRANSMISSION			

LEGEND

- MHA
- Safety sign
- Existing external light
- Proposed external light
- Proposed Anchor Point
- Proposed Exclusion Zone
- Proposed Power/Generator Route
- Proposed access to cabin
- Proposed Guide Rail
- Proposed Hand Rail
- Existing Hand Rail
- Proposed Cherrypicker location
- Proposed Cable Tray

Hutchison 3G

Hutchison 3G UK Limited
Star House, 20 Grenfell Road, Maidenhead, SL6 1EH
Tel: 08438 700 000 Fax: 08438 700 001
H3G Base Station Information line: 0845 6043000
Available 8am-10pm 7 days a week.

SMITH WOOLLEY TELECOM
24 BARTON STREET
BATH
BA1 1HG
TEL: 01225 427000
FAX: 01225 463000
EMAIL: mailto@swtele.co.uk

Site: SIBLEY HALL , REDHATCH DRIVE
READING
BERKSHIRE
RG6 5YU

Title: NORTH WEST ELEVATION

Purpose of Issue: PLANNING

Drawing no. 00195009-115

Site ID: 00195009

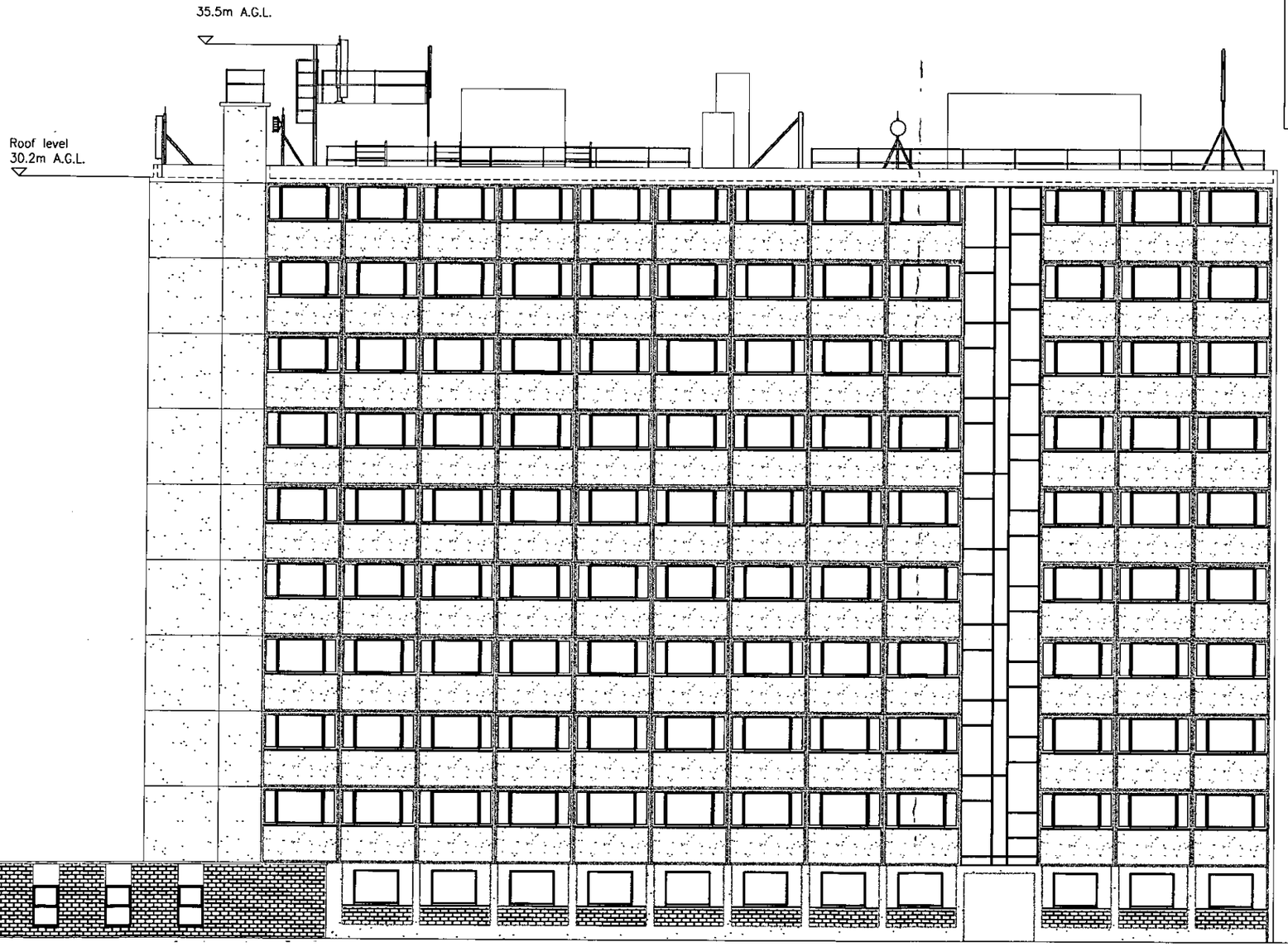
Nominal ID: RG 4077

Issue:	Scale: AS SHOWN	Checked: SJS	Date: 12/01
B1	Drn: MMB Date: 10/12/01	Approv: MDC	Date: 12/01

Consultant ref no: CAM5004H

ORIGINAL SIZE - A1

THIS DRAWING IS THE PROPERTY OF HUTCHISON 3G & MUST NOT BE COPIED, TRACED OR REPRODUCED WITHOUT THEIR WRITTEN CONSENT.



NORTH EAST ELEVATION
SCALE 1:200

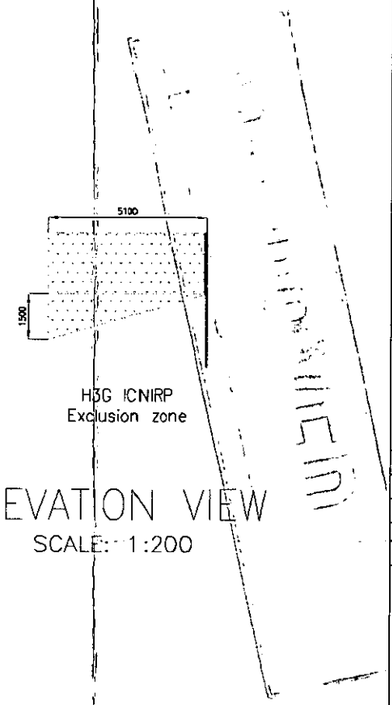
0 10 20 30 40 50 60 70 80 90 100

THIS DRAWING IS THE PROPERTY OF HUTCHISON 3G & MUST NOT BE COPIED, TRACED OR REPRODUCED WITHOUT THEIR WRITTEN CONSENT.

NOTE:

THE USE OF COLOURED LINES ON THIS DRAWING REPRESENTS PROPOSED WORKS AND NOT THE COLOURS OF H3G'S EQUIPMENT.

This site is designed to be in full compliance with the requirements of the radio frequency (RF) public exposure guidelines of the International Commission on Non-Ionizing Radiation Protection (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)".



ELEVATION VIEW
SCALE: 1:200

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 specified.

PROPOSED HUTCHISON 3G EQUIPMENT

Proposed Cabin/Cabinet Details

Hutchison Ref:- NEC NODE B OUTDOOR CABINET
Dimensions:- 1800 x 900 x 1300
Colour:- LIGHT AIRCRAFT GREY BS381C 627

Proposed Site Access/Route

Exit the M4 at J11 and turn onto the B3270. Continue on the B3270 running parallel with the motorway for approx 1mile until you reach the A327. Turn left onto the A327 heading north. Continue North for approx 1 mile and then turn right onto the B3350. At the first island you come to on the B3350 turn right and then first left onto Redhatch Drive. Continue along Redhatch Drive for approx 500mm and then turn right into Sibley Hall(see Location Plan)

Proposed Tower Details

Height:- N/A
Type:- N/A
Hutchison Ref:- N/A
Colour:- N/A

Proposed Transmission Details

No.	Size	Hgt	Type	Orientation
DRL 1	600	32.30m	TBC	TBC
DRL 2	600	32.30m	TBC	TBC
DRL 3	600	32.30m	TBC	TBC
DRL 4	600	33.00m	TBC	TBC

(Height is measured to centre of DRL)

Proposed Antenna Details

No.	Size	Hgt	Type	Orientation	Feeder lgth
A1	1.7m	30.90m	R2212	60°	14.00m
B1	1.7m	33.80m	R2212	230°	28.20m
C1	1.7m	33.80m	R2212	330°	28.20m

(Antenna height is measured to base of antenna)
(Feeder lengths from Cabin/Cabinet to each antenna)

Fencing

REV.	DATE	DESCRIPTION	CHK	APP
B1	30/01/02	PLANNING ISSUE	SJS	MDC
A3	28/01/02	MINOR AMENDMENTS	SJS	MDC
A2	25/01/02	MINOR AMENDMENTS	SJS	MDC
A1	15/01/02	PRELIMINARY ISSUE	SJS	MDC

Hutchison 3G

Hutchison 3G UK Limited
Star House, 20 Grenfell Road, Maidenhead, SL6 1EH
Tel: 01628 765 000 Fax: 01628 765 001
H3G Base Station Information Box: 0845 6043000
Available 8am-6pm 7 days a week.

	APPROVED	REJECTED	DATE
ACQUISITION			
CONSTRUCTION			
RADIO			
TRANSMISSION			

LEGEND

- MMA
- Safety sign
- Existing external light
- Proposed external light
- Proposed Anchor Point
- Proposed Exclusion Zone
- Proposed Power/Generator Route
- Proposed access to cabin
- Proposed Guide Rail
- Proposed Hand Rail
- Existing Hand Rail
- Proposed Cherrypicker location
- Proposed Cable Tray

SMITH WOOLLEY TELECOM
34 BARTON STREET
BATH
BA1 1HG
TEL: 01225 427000
FAX: 01225 483000
EMAIL: mail@smith.co.uk

Site: SIBLEY HALL , REDHATCH DRIVE
READING
BERKSHIRE
RG6 5YU

Title: NORTH EAST ELEVATION

Purpose of Issue: PLANNING

Drawing no. 00195009-116

Site ID: 00195009

Nominal ID: RG 4077

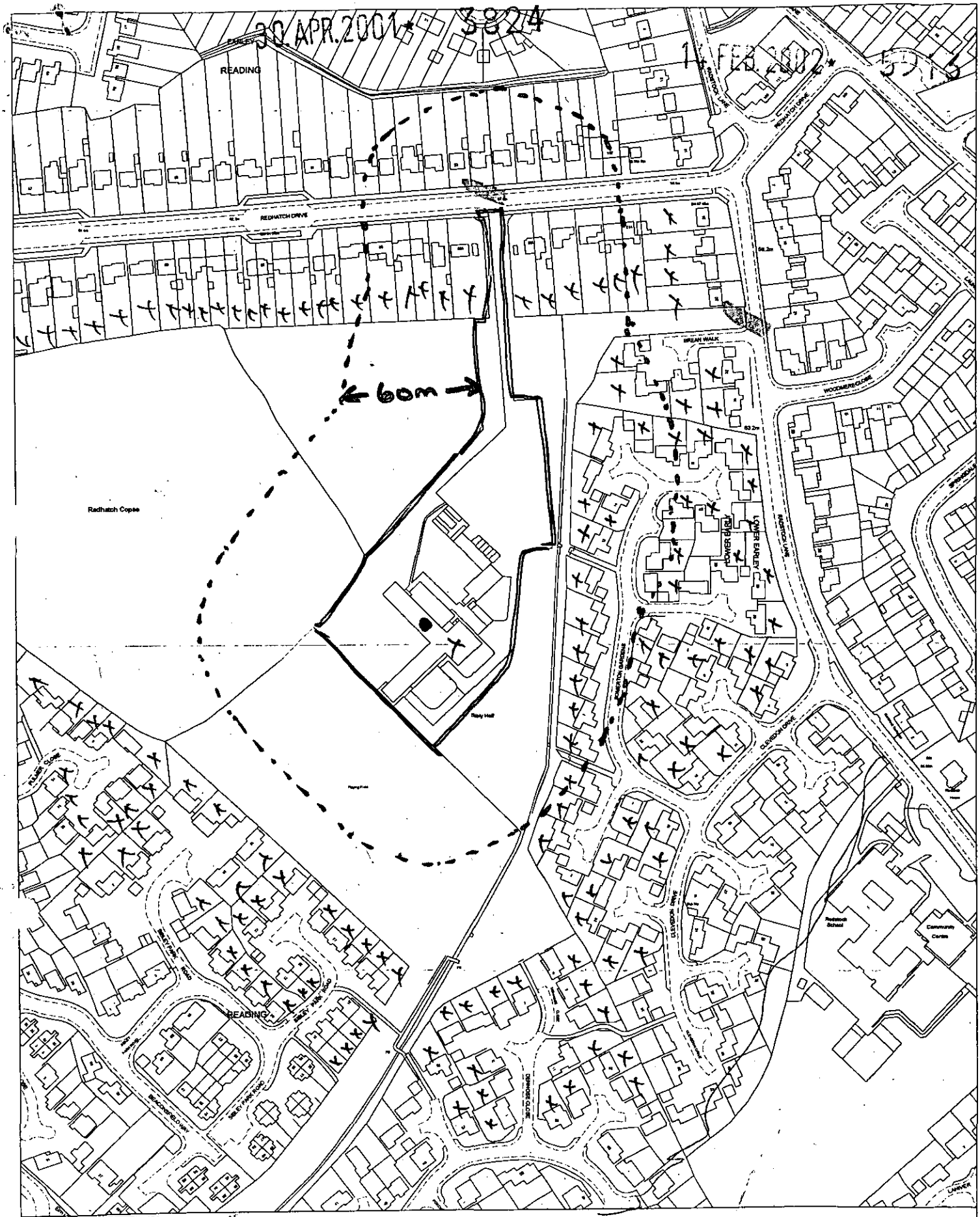
Issue:	Scale: AS SHOWN	Checked: SJS	Date: 12/01
B1	Drn: MMB	Date: 10/12/01	Approv: MDC	Date: 12/01

Consultant ref no: CAM5004H

ORIGINAL SIZE - A1

30 APR 2001 3824

1 FEB 2002 5913



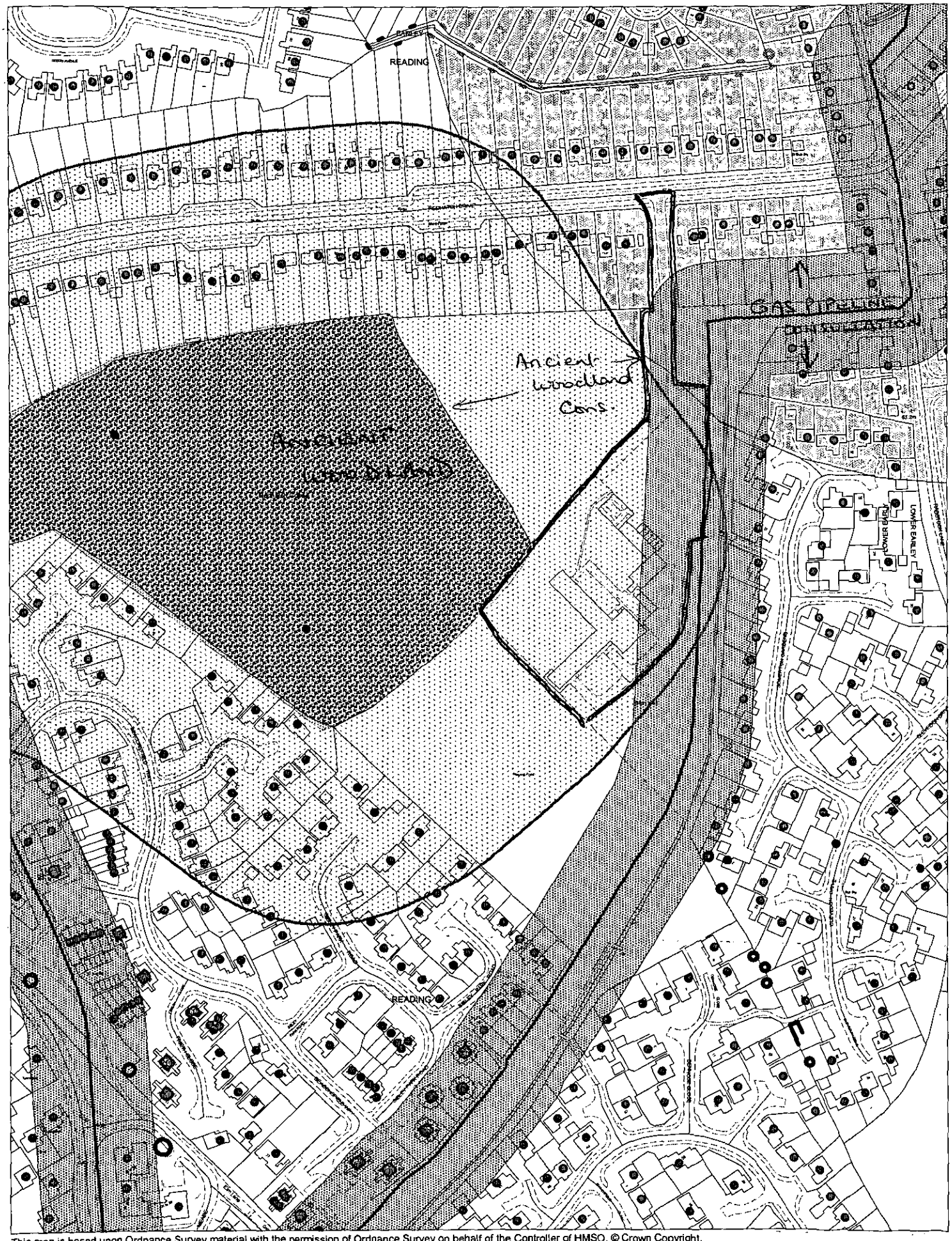
Site Plan, Scale: 1 to 2500

This copy has been produced specifically for the map return scheme purposes only. No further copies may be made.

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of HMSO Office. © Crown Copyright. Wokingham District Council, Licence No. LA086134

Date: 1 May 2001

N
W E
S



This map is based upon Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of HMSO. © Crown Copyright.
Unauthorised reproduction infringes Crown Copyright and may lead to prosecution or civil proceedings.Wokingham District Council Licence LA086134

Development Control Section, Environmental Services, Wokingham District Council.
19 February 2002 Scale: 1 : 2500

N
W E
S