

## SUPPLEMENTARY INFORMATION

### 1. Site details

Site Name	Heath Road	Site Address	Heath Road, Hampstead, London, NW3 1EA
NGR	E 526307 N186303		
Site Ref Number	MTR346	Site Type <sup>1</sup>	Street works

### 2. Pre Application Check list

#### Site selection

Was the mast register of the authority <sup>2</sup> responsible for planning used to check for suitable sites by the operator or the authority?	No	
Camden Council do not have a mast register		
Was the industry site database checked for suitable sites by the operator?	yes	
There were no other options within the area other than street works sites that cannot be shared.		

#### Pre-application consultation with the authority<sup>2</sup> responsible for planning

Date of written offer of pre-application consultation	14/8/06
Was there pre-application contact	Yes
Date of pre-application contact	14/8/06
Name of contact	Charles Tharra
Summary of outcome/Main issues raised The planning officer was, in principle, not opposed to a Met Police site in this location.	

<sup>1</sup> Macro or micro

<sup>2</sup> England & Wales-Local Planning Authority. Scotland-Planning Authority.  
Northern Ireland- Department of Environment Planning Services

## Ten Commitments Consultation

Rating of Site under Traffic Light Model	Green	Amber	Red
<p>Pre-application consultation letters were sent to</p> <p>Councillor Knight</p> <p>Councillor Roberts</p> <p>Councillor Greene</p> <p>Camden Council</p> <p>Christ Church School</p>			
<p>Summary of outcome/Main issues raised</p> <p>Councillor Roberts e-mailed on 29<sup>th</sup> August and copied in Councillors Knight and Greene, asking whether the site was solely for the Police and what were the frequency signals.</p> <p>We responded with the information requested and Councillor Roberts confirmed by e-mail dated 30<sup>th</sup> August that she had no objections.</p>			

## School/College

<p>Location of site in relation to school/college</p> <p>Nearest school is Christ Church School</p>
<p>Outline of consultation carried out with school/college.</p> <p>Letter sent dated 14<sup>th</sup> August 2006</p>
<p>Summary of outcome/Main issues raised</p> <p>No response received</p>

### 3.0 Proposed Development

The proposed site
The proposed site is a Metropolitan Police radio site taking the form of a street furniture pole. The pole will be 10m high and will have two cabinets at ground level.
The pole will be designed so it is the same height as the existing mobile phone operator's masts and the existing lamp posts. In addition it is to be painted black to match the local street scene.

Type of Structure (e.g. tower, mast, etc):	
Street works site	
Overall Height	
Height of proposed structure	10m
Equipment Housing	
Length	One cabinet at 1400mm
Width	One cabinet at 650mm
Height	One cabinet at 1200mm
Materials (as applicable)	
Tower/mast etc – type of material and external colour	Galvanised Steel
Equipment housing – type of material and external colour	Steel - Black

Reasons for choice of design
It is felt that the proposed design best meets the technical requirement to provide the necessary service in terms of height and type of antenna. The proposed structure has been selected so as to closely resemble the existing installations in the area and be no higher than those installations.

## 4.0 Technical information

<p>ICNIRP Declaration attached</p> <p>ICNIRP public compliance is determined by mathematical calculation and implemented by careful location of antennas, access restrictions and/or barriers and signage as necessary. Members of the public cannot unknowingly enter areas close to the antennas where exposure may exceed the relevant guidelines.</p> <p>When determining compliance the emissions from all mobile phone network operators on the site are taken into account.</p>	<p>Yes</p>	
<p>Frequency</p>	<p>All O2 3G sites operate both the GSM1800 system (transmitting in the frequency range of <b>1846.5MHz</b> to <b>1876.5MHz</b>) and the UMTS system (transmitting in the frequency range of <b>1904.9MHz</b> to <b>1909.9MHz</b> and <b>2159.7MHz</b> to <b>2169.7MHz</b>).</p>	
<p>Modulation characteristics<sup>3</sup></p>	<p>The modulation method employed in GSM1800 is <b>GMSK</b> (Gaussian Minimum Shift Keying) which is a form of <b>Phase Modulation</b>. The modulation method employed in UMTS is <b>QPSK</b> (Quad Phase Shift Keying) which is another form of <b>Phase Modulation</b></p>	
<p>Power output (expressed in EIRP in dBW per carrier)</p> <p>In order to minimise interference within its own network and with other radio networks, Orange operates its network in such a way that radio frequency power outputs are kept to the lowest levels commensurate with effective service provision.</p> <p>As part of Orange's network, the radio base station that is the subject of this application will be configured to operate in this way.</p>	<p>O2's licence limits the allowed radiated power to an effective isotropic radiating power (EiRP) of +32dBW per carrier for both GSM1800 and UMTS</p> <p>For a <b>Macrocell</b> the typical EiRP would be approximately +30dBW for both GSM1800 and UMTS</p> <p>For a <b>Microcell</b> the typical EiRP would be between approximately +16.5dBW per carrier and +26dBW per carrier for GSM1800. For UMTS a typical EiRP would be +20dBW per carrier.</p>	
<p>Height of antenna (m above ground level)</p>	<p>13.25m</p>	

## 5.0 Technical Justification

<p>Reason why site required</p> <p>A Metropolitan Police transmitter is designed to cover a specific area and will link its coverage to the next site in the network, creating a patchwork of overlapping coverage 'cells' across the country, so if a person is on the move, the network will transfer their calls from one site to the next. There is currently a deficiency in the network in the residential and commercial areas around the proposed site. The integration of the proposed telecommunications site within the existing network will both increase capacity and improve the coverage in the target cell centre. It is for these reasons that the proposed site is required to be fully operational to provide the necessary service.</p>
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## 6.0 Site selection process – alternative sites considered and not chosen

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

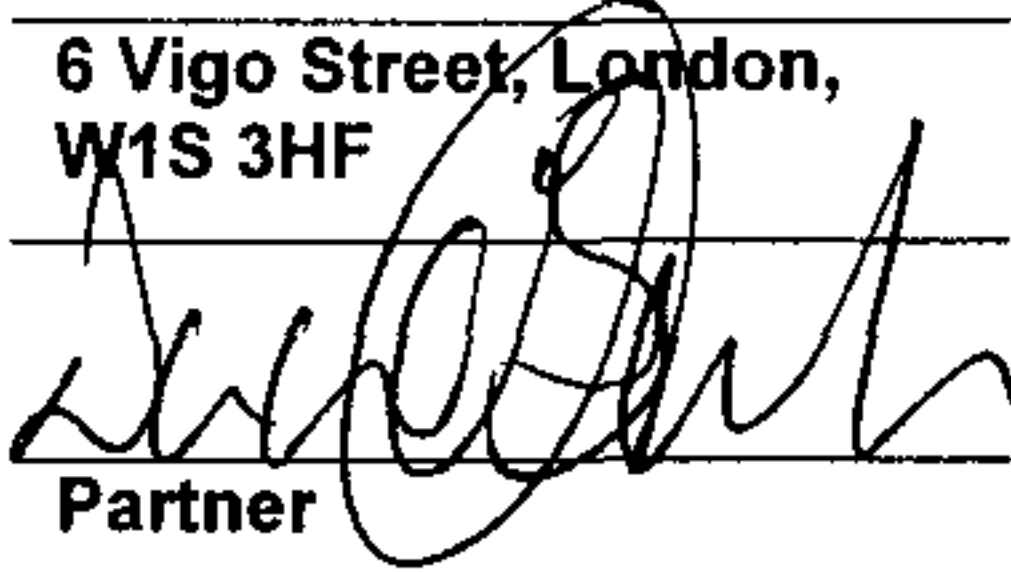
Site <sup>4</sup>	Site Name and address	NGR	Reason for not choosing <sup>5</sup>
SF	Spaniards Road	526578,187062	This site would not reach towards Hampstead High Street
SF	Spaniards Road/Heath Road	526355, 186543	This site would not reach towards Hampstead High Street

<sup>4</sup> ETS - Existing Telecomm site, ES - Existing Structure, RT - Roof Top, GF - Greenfield

<sup>5</sup> SP - Site Provider, RD - Redevelopment Not Possible, T - Technical Difficulties, P – Planning

O – Other

## Contact Details

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Operator	Airwave MM02 Ltd	Fax no	020 7851 2999
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Signed		Date	21 <sup>st</sup> September 2006
Position	Partner	Company (on behalf of the above operator)	MDT