

SITE SPECIFIC SUPPLEMENTARY INFORMATION

1. Site Details

Site Name:	Outside 242 Grafton Road	Site Address:	Gospel Oak, London, NW5
NGR:	E528277 N185361		
Site Ref Number:	23027	Site Type: ¹	Upgrade

2. Pre Application Check List

Site Selection

Was an LPA mast register used to check for suitable sites by the operator or the LPA?	Yes	No
If no explain why:		
Was the industry site database checked for suitable sites by the operator:	Yes	No
If no explain why:		

Annual roll out consultation with LPA

Date of last annual rollout information/submission:	October 2009
Name of Contact:	Chief Planning Officer
Summary of outcome/Main issues raised:	Further details available on request.

Pre-application consultation with LPA

Date of written offer of pre-application consultation:	19 November 2009	
Was there pre-application contact:	Yes	No
Date of pre-application contact:	07 December 2009	
Name of contact:	Ms Jasmine Hancock	

¹ Macro or Micro

Summary of outcome/Main issues raised:

Details of the proposal were sent to Camden Council for comments in the form of a pre-application consultation letter dated 19 November 2009. In a letter received on 7 December 2009, the council advised that it has no major planning objections to a small increase in height of the existing telecommunications apparatus and the installation of a radio equipment cabinet to accommodate the O2 network.

Ten Commitments Consultation

Rating of Site under Traffic Light Model:	Green	Amber	Red
Outline Consultation carried out:			
Written consultation was undertaken with Cllr Keith Sedgwick, Cllr Lulu Mitchell, Cllr Chris Philp, Ward Councillors for Gospel Oak. Letters were also sent to the occupiers of the flats at 242 Grafton Road and a voluntary site notice erected on a lamp post close to the site in Grafton Road on 20 November 2009.			
Summary of outcome/Main issues raised:			
A phone call was received from Cllr Keith Sedgwick on 30 November 2009 objecting to the proposal.			

School/College

Location of site in relation to school/college
The site is located approximately 130m to the north west of Carlton Primary School and approximately 500 metres to the north of Rhyl Primary School.
Outline of consultation carried out with school/college:
Consultation was undertaken with the Head Teachers and Chair of Governors of Carlton Primary School, Grafton Road, London, NW5 4AX and Rhyl Primary School, Rhyl Street, London, NW5 3HB.
Summary of outcome/Main issues raised:
No response was received at the time of this application.

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

Will the structure be within 3km of an aerodrome or airfield?	Yes	No
Has the Civil Aviation Authority/Secretary of State for Defence/Aerodrome Operator been notified?	Yes	No
Details of response:		
N/A		

Developer's Notice

Copy of Developer's Notice enclosed?	Yes	No
Date served:	07 December 2009	

3. Proposed Development

The proposed site:
The proposal site is a highways verge on the north side of Grafton Road immediately to the west of 242 Grafton Road, formerly the Mitre public house. The site is situated to the south of the Carlton Road junction railway cutting, to the east of the railway bridge over this railway.

Enclose map showing the cell centre and adjoining cells:
Refer to the coverage plots provided.

Type of Structure: Hutchison Engineering Saturn 411T Telegraph	
Description:	
The application relates to the upgrade of the existing Vodafone base station on the north side of Grafton Road immediately west of 242 Grafton Road. The proposal would comprise the installation of a 14.8m high replacement monopole supporting antennas and 1no. radio equipment cabinet. The proposed pole would replace the existing 12m high (14.4m total height) installation at Grafton Road. It is proposed to move the pole approximately 1.5m to the west of the existing location. The existing tower footprint would be removed and the land restored to its original condition prior to development. The proposed equipment cabinet would be sited to the rear of the proposed pole location against the existing brick wall.	
Overall Height:	14.8Metres
Height of existing building:	N/A
Equipment Housing:	
Proposed radio equipment cabinet(Cannon Type B)	
Length:	1.480Metres
Width:	0.352Metres
Height:	1.500Metres
Tower/mast etc – type of material and external	
Galvanised steel construction - Black	

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colour:	
Equipment housing – type of material and external colour:	Galvanised steel construction – Black

Reasons for choice of design:
<p>The proposal would involve the redevelopment of the existing installation from 12m high (14.4m total height) to 14.8m high (total height) in order to accommodate O2's antennas. The proposal would also comprise the addition of 1no. radio equipment cabinet. The existing structure is not capable of accommodating another operator without redevelopment. The mast would have to be redeveloped into a taller structure in order to provide the structural capacity to accommodate O2's antennas.</p>

4. Technical Information

ICNIRP Declaration attached	Yes	No
<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>		

Frequency:	900 & 1800 MHz GSM band (2G); 2100 MHz UMTS band (3G)
Modulation characteristics ²	QPSK
<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, Vodafone Ltd operates its network in such a way the radio frequency power outputs are kept to the lowest levels commensurate with effective service provision</p> <p>As part of Vodafone Ltd's network, the radio base station that is the subject of this application will be configured to operate in this way</p>	32dBW maximum
Height of antenna (m above ground level)	Telefonica O2 antennas at 11.37m AGL and Vodafone antennas at 13.23m AGL

² The modulation method employed in GSM is GMSK (Gaussian Minimum Shift Keying) which is a form of Phase modulation

The modulation method employed in UMTS is QPSK (Quad Phase Shift Keying) which is another form of Phase Modulation

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5. Technical Justification

Enclose predictive coverage plots.

Reason(s) why site required e.g. coverage, upgrade, capacity (map attached if required):

The proposed installation will form an integral part of the O2 network serving both the existing users of the services and the predicted increase as usage becomes more widespread. The primary reason for this site is to provide 3G telecommunications service for O2 to Grafton Road and the surrounding area as well as the local transport network in the area. The coverage plots provided illustrate the coverage from the proposed site and its relationship to the proposed neighbouring cells demonstrating that it forms an integral part of the overall O2 network.

6. Site Selection Process – alternative sites considered and not chosen (Enclose map highlighting all alternatives that have been considered by the operator)

Site ³	Site Name and address	NGR	Reason for not choosing ⁴
N/A			

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

Planning Policy Guidance Note 8 (PPG 8) attaches considerable importance to keeping the numbers of masts to a minimum in order to limit visual intrusion and strongly encourages the sharing of masts. In accordance with PPG8, the proposal site seeks to accommodate additional equipment for O2 on the existing Vodafone mast which would prevent the need for a new mast elsewhere in the vicinity thereby minimising proliferation of masts in this area. In this case we consider that sharing the existing mast is the best environmental solution that would provide the required coverage to the target area whilst minimising impact on the surrounding area.

Additional relevant information:

For additional information refer to the enclosed Supporting Statement.

³ ETS – Existing Telecomm site, ES – Existing Structure, RT – Roof Top, GF – Greenfield

⁴ SP – Site Provider, RD – Redevelopment Not Possible, T – Technical Difficulties, P – Planning, O – Other

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Contact Details

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Signed:	Fiona Kadama	Date:	07 December 2009
Position:	Planner	Company: (Agent)	Mono Consultants Ltd
		(on behalf of Vodafone Ltd and Telefonica O2 Ltd)	

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