SITE SPECIFIC SUPPLEMENTARY INFORMATION

1. Site Details

Site Name:	Altrincham Road	Site Address:	Grass verge at Altrincham Road, Baguley, Manchester, M23 1DP
NGR:	381120, 389370		
Site Ref Number:	44474	Site Type:[1]	Streetworks

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**	
If no explain why:		
Was the industry site database checked for suitable sites by the operator:	**Yes**	
If no explain why:		

Annual roll out consultation with LPA

Date of last annual rollout information/submission:	23/10/2007
Name of Contact:	J Roscoe
Summary of outcome/Main issues raised:	No response received

Pre-application consultation with LPA

Date of written offer of pre-application consultation:	28th May 2008	
Was there pre-application contact:	Yes	
Date of pre-application contact:	12th June 2008	
Name of contact:	Jennifer Atkinson	
Summary of outcome/Main issues raised: No comments		

[1] Macro or Micro

Ten Commitments Consultation

Rating of Site under Traffic Light Model:		**Amber**	
Outline Consultation carried out: Consultation carried out with councillors Anthony Burns, Edward McCulley and Paul Andrews of the Baguley Ward dated 28th May 2008. Details of the proposal were also submitted to local residents.			
Summary of outcome/Main issues raised: No response has been received from the local ward councillors, or residents.			

School/College

Location of site in relation to school/college: N/A - Site is not located near to a school or college
Outline of consultation carried out with school/college N/A
Summary of outcome/Main issues raised: N/A

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?		No
Has the Civil Aviation Authority/Secretary of State for Defence/Aerodrome Operator been notified?		No
Details of response:		

Developer's Notice

Copy of Developer's Notice enclosed?	Yes	
Date served:	12th June 2008	

3. Proposed Development

The proposed site: The installation is to be sited on the grass verge adjacent to the Northern residential side of the Altrincham Road, in the Baguley area of Manchester. The installation will specifically replace the existing Vodafone telecommunications pole at this location.

Enclose map showing the cell centre and adjoining cells: Coverage plots have been enclosed to support the application.

Description: The installation of a 10 Metre high slime streetworks pole style accommodating 3no antennas and an equipment cabinet. This will replace the existing 10m high streetworks pole at this site. The existing equipment cabinet will remain.	
Overall Height:	12.2 Metres
Height of existing building:	N/A Metres
Equipment Housing:	
Length:	1300 Metres
Width:	940 Metres
Height:	1614 Metres
Materials:	
Tower/mast etc – type of material and external colour:	Steel- Galvanised finish or otherwise advised by the Local Planning Authority
Equipment housing – type of material and external colour:	Steel- Green (NCS 8010-g 10Y) or otherwise advised by the Local Planning Authority

Reasons for choice of design:
The design has been adopted as it is the most appropriate to minimise the environmental and planning impact upon the surrounding area whilst also remaining in context with the existing street furniture.

4. Technical Information

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

Frequency:	2G
Modulation characteristics[2]	
Power output (expressed in EIRP in dBW per carrier) 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	

[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

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	
Height of antenna (m above ground level)	10m to underside of antennas

5. Technical Justification

Enclose predictive coverage plots.

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

Vodafone is in the process of upgrading their existing telecommunications site at Altrincham Road in Baguley, in order to provide both 2G and 3G coverage to the surrounding area. The existing site currently operates a 3G only site, Vodafone now wish to upgrade the equipment in order for it to operate as a combined 2G/3G site.

Further detail regarding the general operation of the Vodafone network can be found in the accompanying document entitled 'General Background Information for Telecommunications Development'. This information is provided to assist the local planning authority in understanding any technical constraints on the location of the proposed development.

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]
GF	Junction of Wythenshawe Road/Moorcroft Road		This site was rejected during the original site search, as it does not have the same level of screening as the current approved option. Was rejected on the grounds of visual amenity.

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

As referred to above Vodafone are proposing to upgrade their own existing telecommunications base station to be able to accommodate 2G and 3G technologies. The existing Vodafone base station currently accommodates 3G technology only. In this regard a sequential approach has been taken to identifying the most suitable site to accommodate Vodafone's 2G equipment in this area, as a mast sharing option has been selected by Vodafone.

[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

Siting:
The proposed site is located on the A560 Altrincham Road, in the Baguley area. As stated before the existing infrastructure is located adjacent to existing elements of street furniture such as street lighting columns which enable the installation to fit into the streetscape and surrounding street scene, it is also adjacent to an existing hedgerow which will provide an element of screening for the ground based equipment cabinets and lower portions of the monopole.

Visual appearance:
The original design was chosen as it meets the technical requirement of Vodafone whilst having the least impact on the surrounding environment. This installation currently operates as 3g only, the proposed upgrade will provide both 3g and 2g to the surrounding area. The new proposal will replace the existing pole with a marginal increase topole diameter but height of the pole remaining identical.

The current antenna height has been kept to the minimum necessary to achieve the requisite levels of coverage to the target area and to clear the surrounding clutter, this height will stay the same on the proposed upgrade.

Policies:
The application proposals represent the simple upgrade of the existing Vodafone Street Furniture Racal Column to provide 2g and 3g coverage to area. This is considered to conform to both PPG8 and the relevant local plan policy DC17.1.

Local Plan Policy DC17.1:
This policy encourages applications for telecommunication development to site and design installations to minimise their impact on residential amenity and environmentally sensitive areas. The policy also requires that wherever possible the potential of existing buildings and masts including the sharing of such facilities be fully explored.
The existing site has been designed to achieve the required technical coverage whilst limiting visual impact on the surrounding area. The existing installation and proposed upgrade is specifically designed to be located in this type of urban streetscape. The siting of the current mono pole has been carefully chosen so that it is located in line with existing streetlamps aiding the installation to be viewed as street furniture and to not stand out in the urban street scene. Therefore it is considered that the installation and proposed upgrade has been designed and sited in such a way as to minimise impact on residential amenities and its surrounding environment as required by policy DC17.1.
Due to the points outlined above it is concluded that the proposed structure is in compliance with Policy DC17.1 as outlined in the Manchester City Council's City Wide Development Control Plan.

National Policy Guidelines:
Authorities are advised in PPG8 to respond positively to proposals for telecommunications development and to understand the associated special problems and technical needs. In paragraphs 24-28 of PPG 8 innovative designs are specifically encouraged. It is considered that the use of streetwork monopoles to accommodate telecommunications base stations constitute such an innovative design especially as there is other street furniture in the vicinity of the installation. It is therefore considered that the proposed upgrade of installation is in compliance with policies as stated in PPG8.

Contact Details

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Signed:	K Houghton	Date:	12th June 2008
Position:	Planner	Company: (Agent)	Mono Consultants
		(on behalf of Vodafone Ltd)	