

SITE SPECIFIC SUPPLEMENTARY INFORMATION
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1. Site Details

Site Name:	St Andrew Square SW	Site Address:	Footpath adjacent to St Andrew Square, Bolton upon Dearne, S63 8BA
NGR:	445001E 402823N		
Site Ref Number:	63715	Site Type: ¹	Macro

2. Pre Application Check List

Site Selection

Was an LPA mast register used to check for suitable sites by the operator or the LPA?		No
If no explain why: Physical search undertaken		
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:	October 2009
Name of Contact:	Head of Planning
Summary of outcome/Main issues raised:	

Pre-application consultation with LPA

Date of written offer of pre-application consultation:	18/01/2010
Was there pre-application contact:	Yes
Date of pre-application contact:	
Name of contact:	Matthew Smith
Summary of outcome/Main issues raised:	

¹ Macro or Micro

Ten Commitments Consultation

Rating of Site under Traffic Light Model:		Amber	
Outline Consultation carried out: letters issued to Councillors Brook, Noble and Sanderson on 18/01/2010			
Summary of outcome/Main issues raised: Cllr Brook and Cllr Noble have objected to the proposed siting of the installation			

School/College

Location of site in relation to school/college Lacewood Primary School, Carr Head Lane, S63 8DA		
Outline of consultation carried out with school/college LETTER TO Chair – Cllr S Brook 18/01/2010		
Summary of outcome/Main issues raised: Objects to proximity to school		

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:	24 February 2010	

3. Proposed Development

The proposed site:
FOOTPATH ADJACENT TO ST ANDREWS SQUARE, BOLTON UPON DEARNE, S63 8BA

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Type of Structure: Streetworks monopole	
Description:	
Install a 12.75m high streetworks monopole supporting 3no Vodafone antenna within GRP shroud, 1no Vodafone equipment cabinet and ancillary development	
Overall Height:15m	
Height of existing building	N/A
Equipment Housing: see enclosed drawings	
Length:	
Width:	
Height:	
Materials	
Tower/mast etc – type of material and external colour:	Steel galvanised finish
Equipment housing – type of material and external colour:	Steel painted grey

Reasons for choice of design:
Several steps in the site identification process have been undertaken - our records of other potential sites have been reviewed, the policies in the Development Plan have been taken into account and we have examined the inter-operator site sharing database. Due to the difficult nature of the area combined with no suitable or available existing structures including other telecommunications installations within the area, a new streetworks development is required. We propose to locate the 12.75m high monopole, 3no shrouded antenna, and an equipment cabinet on the footpath outside the Dearne Pub on St Andrew Square. The siting and design chosen for this installation seeks to minimise the visual impact of the proposed development when viewed from the surrounding area. In devising the proposed mast solution the operator s again effectively concealed the necessary antenna from public views through the use of a GRP shroud, allowing for a sympathetic aesthetical appearance, and will be viewed in the context of existing street furniture. It is considered that the proposed installation will assimilate into the existing street scene and will not feature prominently in this mixed use setting. It is considered that the proposed replacement monopole and additional cabinet will not unduly impact on the amenity of the area. The minimum operational antenna height is proposed, and the antenna will be shrouded within the top section of the proposed pole, retaining a simple, functional shape and sympathetic appearance.

4. Technical Information

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ICNIRP Declaration attached	Yes	
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.		

Frequency:	1944 – 2149 MHz
Modulation characteristics ²	QPSK
Power output (expressed in EIRP in dBW per carrier)	41.5 dBm
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	
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)	14.2m

5. Technical Justification

Reason(s) why site required e.g. coverage, upgrade, capacity:
The proposed installation is required to provide upgraded 3G coverage for both O2 and Vodafone to this area of Workington.
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)

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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Site ³	Site Name and address	NGR	Reason for not choosing ⁴
GF	Land at Carr Head Lane	445059, 402797	P - Planning permission was refused (2009/0400) for a streetworks in this location. It is felt that the alternative location on the footpath at St Andrews Square is preferable from a visual perspective as a backdrop/screening is provided by the adjacent Dearne Pub and it is located away from the main highway of Carr Head Lane
ETS	Carr Head Lane Site Share	444357, 402964	T - The radio planner has confirmed that this option is located too far outside the search area to provide adequate enough coverage to the cell area.
GF	Bolton upon Dearne Social Club, Station Road	445446, 402626	T - The radio planner has confirmed that due to the topography of the land, this option would not provide adequate enough coverage to the cell area.
GF / ES	Goldthorpe Industrial Estate	444930, 403380	SP - The industrial estate is owned by Northern Trust who is unwilling to accommodate Vodafone
RT	The Dearne Public House, Carr Head Lane	445396, 403086	SP - The landlord has not replied to an enquiry letter. However, the landlord has previously stated in writing that they are not interested in accommodating Vodafone
GF / RT	Furlong Road Methodist Church	445554, 402863	T - There is limited space in which to locate a Greenfield installation and the building is unsuitable for a rooftop installation
GF/RT	Tesco Express, Furlong Road	445574, 403049	T - There is limited space in which to locate a Greenfield installation and the building is too low for a rooftop installation.
GF/RT	Co-op, St Andrew's Square	445017, 402904	T - There is limited space in which to locate a Greenfield installation and the building is too low for a rooftop installation
GF	Streetworks at the junction between Thurnscoe Road and	445277, 402741	P - Although there is an existing telecoms installation in close

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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Version 3

	Carr Head Lane		proximity, this option was discounted as it is located closer to a nursery/children's play area and is likely to raise a large number of objections from the local community
GF	Bolton Hall Residential Home, Carr Head Lane	445053, 402677	SP - There has been no reply to initial enquiries; therefore, it is deemed that they are not interested in accommodating Vodafone

Additional relevant information:

The Code of Best Practice and PPG8 stresses the Government's aim to facilitate the growth of new and existing telecommunications systems while keeping the environmental impact to a minimum.

PPG8 Paragraph 19 states:

In order to limit visual intrusion, the Government attaches considerable importance to keeping the numbers of radio and telecommunications masts, and the sites for such installations, to the minimum consistent with the efficient operation of the network.

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

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

Paragraph 123 of the Code of Best Practice states **"The Governments General policy on telecommunications development is to facilitate the growth of efficient and effective telecommunications systems whilst keeping the environmental impact of such development to a minimum. The siting and design of telecommunications equipment, if undertaken with care and sensitivity, will be vital in achieving this policy aim. Good siting and design should not only be respected in environmentally sensitive areas but also be applied to all.**

Policy UTL5 of the Barnsley Unitary Development Plan (Adopted 2000) states that:

"HAVING REGARD TO THE SPECIAL OPERATIONAL NEEDS OF LICENSED OPERATORS PROPOSALS FOR TELE-COMMUNICATIONS DEVELOPMENT INCLUDING THE ERECTION OF RADIO, TELEVISION, CELLULAR AND PERSONAL COMMUNICATIONS NETWORK MASTS AND ANTENNAE WILL BE ASSESSED WITH REGARD TO THE FOLLOWING FACTORS :
A) THE APPROPRIATENESS OF THE SPECIFIC LOCATION HAVING REGARD TO THE EFFECT ON THE LANDSCAPE/TOWNSCAPE, THE VISUAL AMENITY OF THE IMMEDIATE AREA AND THE WIDER AREA FROM WHICH THE PROPOSAL WOULD BE VISIBLE, AND OPERATIONAL EFFICIENCY

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B) THE POSSIBILITY OF ERECTING ANTENNAE OR OTHER APPARATUS ON AN EXISTING BUILDING, MAST OR OTHER STRUCTURE AS A POSSIBLE ALTERNATIVE TO THE ERECTION OF A LARGE MAST
C) THE PRESENCE OF OTHER TELECOMMUNICATIONS FACILITIES WITHIN AND AROUND THE SITE
D) THE NEED TO INCLUDE ADDITIONAL STRUCTURAL CAPACITY TO TAKE ACCOUNT OF THE GROWING DEMANDS FOR THE NETWORK DEVELOPMENT INCLUDING THAT OF OTHER OPERATORS.
ANY DEVELOPMENT SHOULD BE SITED AND DESIGNED SO AS TO MINIMISE ITS VISUAL IMPACT SUBJECT TO TECHNICAL AND OPERATIONAL CONSIDERATIONS."

Assessing the proposals against the requirements of the policy UTL5, it is considered that in identifying the specific location and design of the proposed installation, we have taken into account the possible effect on the townscape and visual amenity of the area and have endeavoured to minimise any such impact. Furthermore, we have investigated all possible alternative locations including existing masts and other structures within the area prior to selecting the proposed site as the best available option.

It is our opinion that this proposal complies with the policy guidance given both locally and nationally in that there is a clear and confirmable need for the proposal. Due consideration has been given to all practicable solutions for providing the telecommunications service and the proposal has been designed in such a way as to minimise visual impact.

Given all of the above we request that due consideration is given to the submitted application and we look forward to your determination in due course.

Contact Details

Name: (Agent)	<u>Lorna Kennedy</u>	Telephone:	<u>0141 781 4638</u>
Operator:	<u>Vodafone Ltd</u>	Fax no:	<u></u>
Address:	<u>C/O agent</u>	Email	<u>Lorna.kennedy@tycoelectronics.com</u>
		Address:	<u></u>
Signed:	<u></u>	Date:	<u>24 February 2010</u>
Position:	<u>Town Planner</u>	Company:	<u>Tyco Electronics</u>
		(Agent)	<u>300 Springhill Parkway</u>
		(on behalf of	<u>Glasgow Business Park</u>
		Vodafone Ltd)	<u>Baillieston</u>
			<u>Glasgow</u>
			<u>G69 6GA</u>

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