

SITE SPECIFIC SUPPLEMENTARY INFORMATION

1. Site Details

Site Name:	Wakefield Road DNS	Site Address:	Wakefield Road DNS,
NGR:	434553, 409267		Athersley,
			Barnsley,
			S71 3TY
Site Ref Number:	96046	Site Type: Macro	Street works

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:		
After a phone call to the LPA it was felt that the industry database was a more up to date source of information.		
Was the industry site database checked for suitable sites by the operator:	Yes	
If no explain why:		
N/A		

Annual roll out consultation with LPA

Date of last annual rollout information/submission:	19/10/2010
Name of Contact:	Joe Jenkins
Summary of outcome/Main issues raised:	No comments have been received at the time of submission.

Pre-application consultation with LPA

Date of written offer of pre-application consultation:	25/04/2012
Was there pre-application contact:	No
Date of pre-application contact:	N/A
Name of contact:	The Director of Planning

Summary of outcome/Main issues raised:

At the time of preparing this submission, and despite our attempt to engage in pre-application dialogue with the LPA, no comments had been received in respect to the proposals.

Ten Commitments Consultation

Rating of Site under Traffic Light Model:

Green

Prior to the submission of this application the applicant initiate pre-consultation discussions with the local planning authority. This provides an opportunity for the LPA to discuss development proposals and identify site specific issues.

Summary of outcome/Main issues raised:

No response has been received at the time of submission.

School/College

Location of site in relation to school/college:

There are no schools in close proximity to the site that overlook the site.

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:

N/A

Developer's Notice

Copy of Developer's Notice enclosed?	Yes
Date served:	4/5/2012

3. Proposed Development

The proposed site:

It is importance to consider that this is not an application for an additional extra telecoms installation on the Athersley area but a replacement. The existing mast is located at the nearby council owned sports centre which has been demolished. The current mast has been vandalised and the council have requested we move voluntary. The council have worked with Everything Everywhere and have not issued a NTQ (Notice to Quit) but have issued a 24 month notice period. This notice period was a number of months ago so the need to move is now acute. The chosen location is one that is close to an existing telecommunications street works monopole thus there is a presumption in favour of this genre of development.

The proposed site is located on the tarmac pavement adjacent to the Co-Operative Supermarket on the east side of the Wakefield Road and approximately 55m to the south east of the junction between Wakefield Road and Laithes Lane. The proposed installation is approximately 21m to the south east of an existing 12m telecommunications installation. The presence of the existing monopole indicates that a precedent for telecommunications development within the vicinity of the site has already been set.

The tarmac footway adjacent to the supermarket houses a bus shelter approximately 12m to the south west of the proposed facility. To the north of the facility and adjacent to the supermarket is a large car parking facility with a shopping centre to the east, accessed via Laithes Lane. The shopping facilities continue into Regent Crescent with further retail units that include additional structures at roof level which provide shielding benefits for the proposed site.

The proposed facility is a 14.7m Everything Everywhere Phase 3 Streetwork Tower. The purpose of the installation is to provide both Orange and T-mobile with new 3G coverage in the S71 area of Barnsley, through the use of a single, shared installation. The Phase 3 Streetworks design has been specified due to having similar lines to the numerous 12m street lighting columns surrounding the site.

The site has been carefully selected adjacent to a commercial hub so as to provide the required coverage to the S71 area whilst being as far away as possible from residential housing. The site also benefits from the shielding benefits provided by the mature trees found on both sides of Wakefield Road of up to approximately 11m in height.

Enclose map showing the cell centre and adjoining cells:

Type of Structure

Description:

Proposed 15 m Phase 3 streetworks tower. Top of tower 14.7m AGL. Proposed antennas within GRP shroud. Colour: Galvanised. Shroud colour: Grey. Proposed Flexi units within Fredo cabinet on root (UMTS). Dimensions: 900mm x 800mm x 1260mm High. Material: Steel. Colour: Grey. Cabinet Ref: MK3 Link /AC cabinet on Root. Dimensions: 600mm x 500mm x 1240mm High. Material: Steel. Colour: Grey.

Overall Height: 14.7m

Height of existing building

N/A

Equipment Housing:

Length:

900mm &
600mm

Width:

800mm &
500mm

Height:

1260mm &
1240mm

Materials

Tower/mast etc – type of material and external colour:

Proposed 15 m Phase 3 streetworks tower. Top of tower 14.7m AGL. Proposed antennas within GRP shroud. Colour: Galvanised. Shroud colour: Grey.

Equipment housing – type of material and external colour:

Proposed Flexi units within Fredo cabinet on root (UMTS). Dimensions: 900mm x 800mm x 1260mm High. Material: Steel. Colour: Grey. Cabinet Ref: MK3 Link /AC cabinet on Root. Dimensions: 600mm x 500mm x 1240mm High. Material: Steel. Colour: Grey.

Reasons for choice of design:

Central Government attaches great importance to the design of the built environment and outlines this within Section 7 (para. 56) of the National Planning Policy Framework. It states "Good design is a key aspect of sustainable development, is indivisible from good planning, and should contribute positively to making places better for people".

The proposed installation is a 14.7m Everything Everywhere Phase 3 Streetwork Pole which will house both Orange and T-Mobile. The sharing of base stations between multiple operators is one of the key strategic policy principles contained within the NPPF

In keeping with the National Planning Policy Framework (NPPF). guidelines of using "high quality communications infrastructure", the proposed design has been selected to minimise visual impact upon the street scene by integrating with the existing street furniture, having similar vertical lines and overall appearance to the numerous street lighting columns (approx 12m in height) running along the length of both sides of the Wakefield Road.

4. Technical Information

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:	3G: 2100 MHz band – UMTS
Modulation characteristics ¹	QPSK for 3G Sites
Power output (expressed in EIRP in dBW per carrier) In order to minimise interference within its own network and with other radio networks, (Everything Everywhere) 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 (Everything Everywhere)'s network, the radio base station that is the subject of this application will be configured to operate in this way.	Maximum output of 32 dBW
Height of antenna (m above ground level)	14.7m

5. Technical Justification

Reason(s) why site required
The National Planning Policy Framework clearly states that authorities should not question the need for the service, nor seek to prevent competition between operators. Notwithstanding this fact, the Applicant considers it to be important to explain the technical justification for the site and how the facility fits into the overall network. Notwithstanding this fact, the Applicant considers it to be important to explain the technical justification for the site and how the facility fits into the overall network. The site is required to provide new 3G coverage for Everything Everywhere in order to improve coverage in the S71 area of Barnsley. The cell search areas for 3G are extremely constrained with a typical cell radius of approximately 250m meaning that it would not be feasible to site

¹ 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

the column outside of this locale.

Further detail regarding the general operation of the network can be found in the accompanying document entitled 'General Background Information on Radio Network Development for Planning Applications'. 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

Discounted Options

In accordance with the sequential approach outlined in the National Planning Policy Framework (NPPF) following search criteria have been utilised. Firstly consideration is always given to sharing any existing telecommunication structures in the area, secondly consideration is then given to utilising any suitable existing structures or buildings and thirdly sites for freestanding ground based installations are investigated.

This sequential approach is outlined below:

Mast and Site Sharing

Existing Buildings Structures

Ground Bases Installations

In compliance with its licence and the sequential approach outlined in the NPPF all attempts to utilise any existing telecommunication structures where they represent the optimum environmental solution have been employed. The Ofcom Site Finder mast register is always examined prior to the submission of an application.

Site Type	Site Name and Address	NGR	Reason for not choosing
	UGO convenience store, Staincross	434674, 409418	The store has been approached and a response has not been received.
	Tandori Hut, Staincross	434105,4 09798	The land at the rear of the restaurant is gravelled and flat with good tree screening. The option sits between two industrial sites one of which is soon to be demolished for residential housing. It is felt that a site in this location could be very contentious for planning consent, as a nursery is located adjacent to the restaurant. The height required circa 12m to clear the tree clutter.
	Eastfield Arms,	434028,	The Manager of the PH has been

	Staincross	409684	approached but a response has not been received.
	St Helens Church, Staincross	434715, 409361	The shape of the church does not lend itself to a telecoms installation. The grounds to the front of the church however offers good screening although from a planning perspective this would undoubtedly receive negative reaction from nearby residents. The Father has requested further information and Terms for consideration. The height required circa 11m
	Co-operative Food store, Staincross	434573, 409268	The Roof of the supermarket does not give adequate height

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

N/A

7. Additional Relevant Information

Background to the Proposal

This specific proposal forms part of an integral requirement for Everything Everywhere to expand their respective 3G telecommunications network across Barnsley specifically in this instance to enhance 3G coverage levels and network capacity within the S71 area.

This partnership has resulted in the development and production of an array of "dual user" structures and cabinets, which have the ability to accommodate both operator's antenna systems and radio equipment.

Mobile phone base stations operate on a low power and accordingly base stations therefore need to be located in the areas they are required to serve. Increasingly, people are also using their mobiles in their homes and this means we need to position base stations in, or close to, residential areas.

A further limiting factor is that the position has to be one that fits in with the existing network. Sites have to form a patchwork of coverage cells with each cell overlapping to a limited degree with the surrounding base stations to provide continuous network cover as users move from one cell to the other. However if this overlap is too great unacceptable interference is created between the two cells.

DEVELOPMENT PLAN POLICY.

Development plan considerations have a special significance in law. Section 54A of the Town and Country Planning Act 1990 (The Act), and re-iterated in Section 38 of the Planning and Compensation Act 2004, it is stated that:

"Where in making any determination under the Planning Acts regard is to be had to the Development Plan, determination shall be made in accordance with the Development Plan unless material considerations indicate otherwise."

NATIONAL PLANNING POLICY

PPG8 and PPS1 have been replaced by the National Planning Policy Framework (NPPF) (March 2012). This document condenses the advice outlined previously although the broad principles of promoting the expansion of electronic communication networks remain the same:

The Government remain committed to promoting telecommunications and place emphasis on the importance of telecommunications to the wider economy. The National Planning Policy Framework (NPPF) sets out the Government's planning policies for England and how these are expected to be applied at the Local level. It provides a framework within which local people and their accountable Councils can produce their own distinctive local and neighbourhood plans, which reflect the needs and priorities of their communities.

The purpose of the planning system is to contribute to the achievement of sustainable development. There are three dimensions of sustainable development, each of which give rise to the need for the planning systems to perform a number of roles including;

- Economic Role – contributing to building strong, responsive and competitive economy;
- Social Role – Supporting strong vibrant and healthy communities; and
- Environmental Role – Contributing to protecting and enhancing our natural, built and historic environment.

The NPPF contains at its core a presumption in favour of sustainable development which runs through both plan-making and decision-making processes.

Paragraph 19 states that "The Government is committed to ensuring that the planning system does everything it can to support sustainable economic growth. Planning should operate to encourage and not act as an impediment to sustainable growth. Therefore significant weight should be placed on the need to support economic growth through the planning system".

It continues in Paragraph 20 to confirm Central Government advice that "To help achieve economic growth, local planning authorities should plan proactively to meet the development needs of business and support an economy fit for the 21st century". The following paragraph states "Planning policies should recognise and seek to address potential barriers to investment, including a poor environment or any lack of infrastructure"

Section 4 of the NPPF (Paragraph 29) encourages the "smarter use of technologies" to reduce the need to travel and promote sustainable transport methods in accordance with the central sustainable development thread which travels through the Framework.

The most pertinent section of the NPPF to the proposed development is that contained within Section 5: Supporting High Quality Communications Infrastructure.

There is recognition from Central Government in Paragraph 42 that "Advanced, high quality communications infrastructure is essential for sustainable economic growth" which will in turn play a vital role in developing provisions within the local community of both facilities and

services.

The proposed development accords with all these aspects of the NPPF in that it will provide both Orange and T-Mobile with new 3G coverage in the S71 area of Barnsley bringing a range of associated economic and technical benefits.

Paragraph 43 identifies the need to "keep the number of radio and telecommunications masts and the sites for such installations to a minimum consistent with the efficient operation of the network". In doing so, Central Government encourages the use of existing masts, buildings and other structures unless the need for a new site can be justified. Where such new sites are required, it is suggested that, where appropriate, equipment should be sympathetically designed and camouflaged.

In accordance with paragraph 43 the proposal is for a shared facility between Orange and T-Mobile. In terms of "use of existing masts" a detailed breakdown of discounted options, including investigating the option of sharing existing facilities, has been provided in section 6 of this application.

Paragraph 45 defines the evidence that should be supplied to justify the proposed development. This should include:

- "The outcome of consultations with organisations with an interest in the proposed development, in particular with the relevant body where a mast is to be installed near a school or college or within a statutory safeguarding zone surrounding an aerodrome or technical site; and
- for an addition to an existing mast or base station, a statement that self-certifies that the cumulative exposure, when operational, will not exceed International Commission on non-ionising radiation protection guidelines; or
- for a new mast or base station, evidence that the applicant has explored the possibility of erecting antennas on an existing building, mast or other structure and a statement that self-certifies that, when operational, International Commission guidelines will be met."

In accordance with Paragraph 45 this application has been submitted with the relevant supporting documentation.

Confirmation that Local planning authorities must determine applications on planning grounds is also contained in Paragraph 46. In determining applications, it is the contention of Central Government that LPAs should not seek to prevent competition between different operators, question the need for the telecommunications system, or determine health safeguards if the proposal meets International Commission (ICNIRP) guidelines for public exposure.

Central Government attaches great importance to the design of the built environment and outlines this within Section 7 (para. 56). It states "Good design is a key aspect of sustainable development, is indivisible from good planning, and should contribute positively to making places better for people".

In accordance with Paragraph 46 this application has been submitted with the requisite ICNIRP certificate.

In respect to good design, decision making should aim to ensure that any proposal deemed appropriate would "function well and add to the overall quality of the area, not just for the short term but over the lifetime of the development" and "respond to local character and history, and reflect the identity of local surroundings and materials, while not preventing or discouraging appropriate innovation".

In determining planning applications "great weight should be given to outstanding or innovative designs which help raise the standard of design more generally in the area". Paragraph 63.

It is the intention of the NPPF that "Local planning authorities should not refuse planning permission for buildings or infrastructure which promote high levels of sustainability because of concerns about incompatibility with an existing townscape, if those concerns have been mitigated by good design (unless the concern relates to a designated heritage asset and the impact would cause material harm to the asset or its setting which is not outweighed by the proposal's economic, social and environmental benefits)". Paragraph 65.

Paragraph 66 clarifies that "Applicants will be expected to work closely with those directly affected by their proposals to evolve designs that take account of the views of the community. Proposals that can demonstrate this in developing the design of the new development should be looked on more favourably".

LOCAL PLAN POLICY

Telecommunications Policy ST5 (Barnsley Metropolitan Borough Council Unitary Development Plan) expired on 28th September 2007 due to repeating the national PPG8 guidelines which have now been superseded by the NPPF. In view of this situation, this area of the application relates to the analysis of NPPF policy outlined in the National Planning Policy section above.

Conclusion

It is importance to consider that this is not an application for an additional extra telecoms installation on the Athersley area but a replacement. The existing mast is located at the nearby council owned sports centre which has been demolished. The current mast has been vandalised and the council have requested we move voluntary. The council have worked with Everything Everywhere and have not issued a NTQ (Notice to Quit) but have issued a 24 month notice period. This notice period was a number of months ago so the need to move is now acute. The chosen location is one that is close to an existing telecommunications street works monopole thus there is a presumption in favour of this genre of development.

The proposed site is located on the tarmac pavement adjacent to the Co-Operative Supermarket on the east side of the Wakefield Road and approximately 55m to the south east of the junction between Wakefield Road and Laithes Lane. The proposed installation is approximately 21m to the south east of an existing 12m telecommunications installation. As stated the presence of the existing monopole indicates that a precedent for telecommunications development within the vicinity of the site has already been set.

We consider that the development is compliant with the council's policy and that in accordance with Section 38 (6) of the Planning and Compensation Act 2004 permission should be granted for the installation.

We consider the development complies with both central government and local planning policy guidance where the underlying aim is to provide an efficient and competitive telecommunication system for the benefit of the community while minimising visual impact.

Taking into account the factors of technical constraints, available sites and planning constraints we consider that this site and design clearly represents the optimum environmental solution.

On the basis of a recognised need to expand and promote telecommunications networks across the region, it is considered that the proposal fully accords with the requirements of the National Planning Policy Framework and Barnsley Metropolitan Borough Council's Local Plan Policies.

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Contact Details

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Date:

5/4/2012

Company:

WHP

(on behalf of above
operator)