

DESIGN, ACCESS & SUPPORTING STATEMENT

Cell Reference	41303		
Site Address	Street Works on Barrowfield Road, Thurnscoe, South Yorkshire		
Easting	445979	Northings	405304
Description of Development	The installation of a radio base station consisting of a 17.5 metre flexicell incorporating three antenna, equipment cabinet at ground level and development ancillary thereto.		

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1.0 General Introduction & Site Details

This supporting statement forms part of an application for planning permission on behalf of Telefonica O2 UK Ltd. The application relates to the installation of a radio base station consisting of a 17.5 metre Flexicell incorporating three antenna, ground based equipment cabinet and development ancillary thereto located on the pavement of Barrowfield Road, Thurnscoe, Barnsley S63 0BH.

This supporting statement aims to assist the Local Planning Authority in their evaluation of the telecommunications proposals, stating clearly the facts and issues surrounding this planning application. It takes into account the matters of address relating to a "Design and Access Statement" which is a requirement of s.42 of the Planning and Compulsory Purchase Act 2004. This supporting statement helps to set out the processes that have taken place towards establishing the siting and appearance of the development which now forms part of this planning application.

1.1 Description of Application Site and Surroundings

The proposed site will be located on the grass verge of Barrowfield Road within the established Industrial Estate. The intention is to create minimal visual impact as the site is located against a backdrop of existing mature trees and shrubbery, screening much of the pole from view from Thurnscoe town centre. The topography of the land lies relatively flat in this area. Due to the distance from residences and businesses at this location a column of this height is required to provide adequate 3G coverage to the locality.

1.2 Description of Development

The proposed development at this location relates to the installation of a 17.5 metre high streetworks monopole incorporating three no. 3G antennas found within the upper section of the mast. Equipment cabinet will be sited alongside the proposed installation.

The applicant suggests the column is left in its natural steel colour whilst the cabinet is painted green. Naturally all proposed development can be painted to the Local Planning Authority requirements.

1.3 Access Arrangements

The proposals will be located on a section of grass alongside the highway hence there will be no compound enclosure and the development will be accessible within the public realm. Nevertheless the ground based equipment cabinets have an appearance similar to other communications and electrical service boxes found in typical street scenes in which similar access operations can be likened. It is likely that once built, the site will be visited infrequently for maintenance purposes only. Access to the site will be by foot in which the applicant would gain access to the equipment housed within the cabinets. In the event of the antennas within the mast needing to be maintained this will be achieved by siting a cherry picker with a hydraulic platform alongside the base station.

It should be recognised that the siting, design and access to a typical streetworks installation can be constraint by a number of parameters which are explained in section 3.4 of this supporting statement.

2.0 Legal Obligation & Technical Justification

2.1 Legal Obligation to Provide a Service

Telefónica O2 UK Ltd is the operator of an electronic communications network. Telefónica O2 UK Ltd complies with the Electronic Communications Code as enacted under the Communications Act 2003, which provides the necessary legislative basis to run an electronic communications network. As an electronic communications network operator, Telefónica O2 UK Ltd has the benefit of Permitted Development rights under Part 24 of Schedule 2 to the Town and Country Planning (General Permitted Development) Order 1995 (as amended). When the 3G licence was awarded to Telefónica O2 there was a requirement to develop the network to provide coverage to 80% of the population by 2007.

2.2 Compliance with Other Regulations

'Please accept this letter and its enclosures as a notification in accordance with regulation 5 of The Electronic Communications Code (Conditions and Restrictions) Regulations 2003 as required by the Communications Act 2003. No fee is required for this notification. Telefónica O2 UK Ltd is obliged, under regulation 6(2) to give one calendar month's notice, in writing, to the planning authority of its intention to install electronic communications apparatus. The apparatus to be installed consists of a 17.5 metre Flexicell incorporating three antennas and development ancillary thereto. The apparatus will be installed on the grass verge at Barrowfield Road, Thurnscoe, Barnsley, S63 0BH

2.3 Technical Justification

PPG8 states that local planning authorities should not question the need for the telecommunications system, which the proposed development is to support (paragraph 6). However, paragraph 5 of PPG8 highlights that in making an application for telecommunications development operators may be expected to provide evidence regarding the need for the proposed installation. The proposed installation is needed to provide 3G coverage to the residential and commercial properties of Thurnscoe.

The coverage plots and technical justification, enclosed in appendix A, provide an explanation of the operation of the network and the technical constraints on siting. Telefónica O2 has identified a coverage requirement in this area of South Yorkshire in which the coverage plots provides an indication of the projected radio coverage provided by the sites surrounding the proposal site if they were all operational. It can be seen from the plots that the coverage is not contiguous and therefore a site is required to fill a gap in coverage. These plots clearly show how the proposed installation would fill an existing coverage gap to enable continuous coverage to be achieved in the area.

A map is also enclosed in appendix A that indicates the extent of the area in which an installation is required for Telefónica O2 UK Ltd. The search area within which an installation needs to be established in order to meet the coverage requirement is constrained by the location and extent of the coverage provided by existing installations in the surrounding area. An installation located outside of this search area would not allow Telefónica O2 UK Ltd to provide the desired level of coverage and would therefore not adequately fill the current coverage gap.

3.0 Site Selection Process

3.1 Annual Rollout Consultation

Date of last annual rollout information / submission	October 2007
Name of contact	Head of Planning
Main issues/ outcome – No issues raised	

3.2 Database Searches

Was the mast register of the authority responsible for planning used to check for suitable sites by the operator or the authority? if no explain why	<u>Yes</u>	No
Was the industry site database checked for suitable sites by the operator? if no explain why	<u>Yes</u>	No

3.3 Pre-application Consultation

The Government strongly encourages pre-application discussions between operators and local planning authorities in order to find the optimum solution for the development requirements. Paragraphs 9 – 13 of PPG8 go on to advise that pre-application discussions should also be carried out between operators and

other organisations with an interest in the proposed development as well as people likely to be affected by the proposals including schools.

In order to explore the possibilities with regard to this proposal a pre-application consultation exercise has been undertaken. This proposal was given an Amber rating when it was assessed against the Traffic Light Rating Model, further details of the Traffic Light Rating Model can be found in Annex D to the Code of Best Practice on Mobile Phone Network Development.

Initial pre-application consultation exercise was undertaken with the local planning authority Barnsley Metropolitan Borough Council. On the 15th August 2008 a letter outlining the proposals and requesting comments on the proposed sites were issued to the Council. The applicant confirms feedback has not been received

A community consultation exercise was also undertaken. On the 9th October 2008 informative letters, including drawings of the proposed installation and health and safety information were issued to the local Ward councillors and MP. No response has been received to date.

3.4 Alternative Sites Considered

In accordance with the licence obligations and advice in PPG8 and the Code of Best Practice the applicant's network rollout team undertook an inspection of the area of search, which investigated the following siting and design options using this sequential approach to site selection:

- Upgrading their own existing base stations;
- Using existing telecommunications structures belonging to another communications operator. I.e. Mast and/ or site sharing, co-location;
- Installations on existing high buildings or structures including National Grid pylons;
- Using small scale equipment; and finally
- Erecting a new ground based mast site – (1st) Camouflaging or disguising equipment. (2nd) A conventional installation e.g. a lattice mast and compound.

The applicant's site selection strategy is to keep the overall environmental impact to a minimum. Mast sharing is always progressed where it is technically and legally possible and where it is the local planning authority's preferred environmental solution. New 'Greenfield' sites are only developed where there are no viable or accessible alternatives or it is the local planning authority's preferred approach. The feasibility of the acquisition, build and maintenance of the site also needs to be taken into account.

A number of sites have been considered prior to the proposal site being selected. These were given careful consideration with regard to the impact of development at each location in terms of visual and residential amenity, other planning issues as well as the technical suitability of each site to O2. In selecting the site and design of the proposed installation the views that have been received as a result of the consultation exercise have been taken into account. The location considered most acceptable in terms of all these factors was then selected.

It should be recognised that a typical cell search area may contain a number of locations where a streetworks type proposal could be installed. Streetworks style installations consist of a slim line pole and an equipment cabinet and are predominantly found on areas of adopted highway land such as a grass verge or pedestrian footpath. However, there are a number of common parameters regardless of the visual prominence of the site that prevent sites from being suitable for streetworks installations. When considering locations for possible streetworks installations it is imperative that the parameters below are given full and proper consideration.

The following parameters have a direct influence over the locations at which a streetworks installation can be proposed, if any one parameter is compromised then the location is unsuitable:

- Land Ownership – It is necessary to have the agreement of the landowner to install equipment on their land. Most land immediately adjacent to a highway will be adopted highway. However, this is not always the case and therefore it would be necessary to seek the consent of the landowner;
- Underground Services – The presence of underground services (such as water and gas pipelines or electricity and telecommunications cables) restrict the ability to install equipment due to the depth

of the root foundation required for the pole, which must avoid these services. In addition it is necessary for the utility companies to maintain access to these services;

- Proximity to Overhead Services and existing lighting columns – Sites for streetworks installation can be restricted due to the presence of overhead cables (such as overhead telephone and electricity cables) and the proximity of existing lighting columns. Sufficient vertical and horizontal separation is required to allow the proposed antenna to comply with ICNIRP requirements;
- The Width of Footpath that will be remaining once the equipment is installed – Once the cabinet is installed sufficient space must remain to allow pedestrians to pass safely and without having to step into the adjacent road. Typically, local highways authorities will require 1.8 metres of footpath to allow pedestrians, push chairs and wheel chairs to pass safely;
- Access Requirements – Equipment must not obstruct access to driveways, cycle lanes and pedestrian crossings;
- Visibility Splays – Equipment must be sited in order that it does not have a detrimental impact upon the visibility splays of traffic emerging from road junctions and other access routes.
- Parking for maintenance vehicles – Sufficient space must exist adjacent to a site to allow a hydraulic platform vehicle, often referred to as a 'cherry picker', to park safely. This vehicle is required to allow the antennas at the top of the pole to be accessed and maintained.

The details of alternative sites considered prior to selecting the proposed site and design are contained in the list below and are plotted on the map attached to Appendix A:

List of Sites Considered

	Site Type	Site Name and Address	TLM Rating	Reason for Rejection
1	Rooftop	Thurnscoe Hotel, Houghton Rd Thurnscoe, Rotherham, S63 0JX	Red	This option would have far more visual prominence upon the street scene than the selected option which offers substantial screening.
2	Street Furniture	Balfour Beatty Plant on Barrowfield Road, Thurnscoe, South Yorkshire, S63 0BH	Amber	This site was considered unsuitable for development owing to lack of screening around the column causing a greater visual impact.
3	Street Furniture	Street Furniture on Phoenix Lane, Thurnscoe	Amber	This site was considered too far east of the cell centre to provide adequate coverage.

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

4.0 Reasons for Selecting the Site and Design

Given the makeup of the area and lack of alternative sites, it was established that a street works type proposal would be the only viable solution which could provide coverage to this area of Thurnscoe.

The application site was specifically chosen as it is sufficiently away from residential areas. The column and cabinet can therefore be located to the rear of the footway without impeding pedestrian and traffic flow. The site has been designed to blend with the existing street lights in the area.

To ensure signal propagation the antenna must be above the surrounding local clutter. The ground height at this location enables a minimum column height of 17.5 m.

The site is located as far as possible from residential housing and other sensitive land uses. The visibility of the application site will be minimal as from most viewpoints much of the equipment will be screened by the existing buildings and trees.

It is appreciated that the site will be visible to pedestrians and road users, however it is considered that the monopole and equipment cabinet will soon be seen as a utilitarian feature not uncommon in such a street scene. It will in time be accepted as part of the urban fabric of the area. It is considered that road users will not have their visibility impaired by the proposed monopole or equipment cabinet owing to the base stations positioning set back on the highway. The cabinet and monopole have been sited to the rear of the pavement so as not to impede pedestrian movements.

The technical requirements of mobile communication operators such as the applicant are well documented within PPG8 and this policy guidance is clear that telecommunications development may not always reflect immediate land uses. PPG8 recognises that it is the technical requirements of the telecommunications operator that dictate the height of some proposed installations. It would therefore be unrealistic of the Council to expect that an installation could mimic exactly other linear forms in the area; such as street lighting columns or existing telecommunications installations facilitated by other operators.

In address of the appearance of the proposal, it is believed that the scheme takes a form which is sympathetic within the context of its immediate street scene which includes existing lighting columns. Aware that some standard mast designs can appear incongruous, it is highlighted that the antennas would be concealed within a cylindrical shroud. It is considered that the column is relatively slender. This design is considered to be an appropriate solution and shows the applicants efforts to help mitigate the proposals impact on the visual amenity.

It should be recognised that the use of shrouded antennas would eliminate the large number of bracing components associated with other more prominent and conventional telecommunications installations. Similarly, the applicant has opted to connect the site into the national network via an underground transmission link rather than relying on a transmission dish, which the appellant judged might affect the linear nature of the scheme.

The proposed equipment cabinets are considered small for a telecommunications development and will be located alongside the monopole. The equipment cabinet have an appearance similar to other communications and electrical service boxes found in the street scene. The proposed equipment cabinet can be painted to the requirements of the LPA, further reducing their prominence. It is considered that the ground based development will not have any detrimental impact upon the visual amenity of the area.

In light of Telefónica O2's efforts to design the best solution for this particular site so as to minimise the impact of development on the environment, it is considered that the appearance of a street works monopole would not seriously impact upon the visual amenity of the area, nor would it form an obtrusive feature within the retail area.

It is considered that the proposal before you strikes a good balance between environmental impact and operational considerations. The proposed height and design represents the best compromise between the visual impact of the proposal on the surrounding area and meeting the technical coverage requirement for

the site. Taking all matters into account it is considered that the proposal would not appear out of place at the application site. It is considered that the proposal has been sited in a position which respects the character of the cell as a whole and the general setting of the immediate area.

5.0 Planning Policy

5.1 National Policy

National guidance contained within planning policy guidance notes and Governmental circulars have been determined to be material considerations in determining planning appeals. In this instance, it is our opinion that the following advice is material:

PPG 8 – Telecommunications (2001)

PPG8 'Telecommunications is the national planning document offering guidance to local authorities in the formulation of local plan policy and evaluation of telecommunications developments.

Overall aim of PPG8 is to allow for the growth of new and existing telecommunications networks in conjunction with environmental considerations. Paragraph 1 of PPG8 emphasises the Governments' generally positive approach to telecommunications: - *"The Government's policy is to facilitate the growth of new and existing telecommunications systems whilst keeping the environmental impact to a minimum. The Government also has a responsibility for protecting public health."* Paragraph 1, PPG8, 22 August 2001

PPG 8 goes further and states that *"The aim of telecommunications policy is to ensure that people have a choice as to who provides their telecommunication service, a wider range of services from which to choose and equitable access to the latest technologies"*. Paragraph 2, PPG8, 22 August 2001

Paragraph 7, advises that each telecommunications system have different antenna types, siting needs and other characteristics. *"Planning Authorities should have regard to any technical constraints on the location and proposed development."*

PPG8 acknowledges the commercial pressures placed of mobile telecommunications systems and that basis of demand for such services, confirming that: - *"These systems are demand-led. Increase in the use of mobile phones has meant that operators are continually expanding their networks to accommodate customer requirements of service and quality. The greatest need for base station sites is usually in built-up areas where there is the greatest density of mobile users, and within a mile or two of the main roads, where the demands on network capacity are greatest."* Paragraph 22, PPG8, 22 August 2001

With reference design PPG8 confirms that operators should be innovative in their design solutions and should attempt to find solutions that minimise potential amenity and intrusion issues, stating that: - *"The telecommunications industry is encouraged to continue to develop innovative design solutions, in terms not only of the structure of masts and antennas but also the materials and colouring. A number of different design solutions are currently available. These include masts designed to look like trees or street furniture, and the redevelopment or restoration of existing properties to incorporate telecommunications apparatus. Authorities may wish to discuss with operators different design and camouflage options in connection with development proposals. Operators are encouraged to provide examples of different design solutions. It should be borne in mind that some designs may not be suitable for future sharing. Where it is agreed that a site is suitable for future mast sharing, it may be appropriate to install a mast specifically designed to facilitate its redevelopment for sharing."* Paragraph 77, PPG8, August 2001

5.2 Code of Best Practice on Mobile Phone Network Development

The Code of Best Practice was published in November 2002 and produced jointly by all Mobile Phone Operators, and representatives of Central and Local Government. It provides clear and practical advice to ensure that delivery of significantly better and more effective communication and consultation between operators, local authorities and local residents.

Paragraphs 140 - 145 identify general design principles in which camouflaging or disguising equipment is considered materially appropriate. In reducing the environmental and visual impact of a ground based installation the Code of Best Practice promotes the use of simple and uncomplicated designs. Paragraph 148 recognises that *"Masts which have complex designs are more likely to dominate and be in discord with the landscape and have adverse visual impacts."*

Concerning the erection of new ground based masts, paragraph 148 provides examples of where the environmental and visual impact of the mast can be greatly reduced. Paragraph 148 states:

- *Placing the mast near similar structures. For example, industrial and commercial premises, road signs and lamp posts;*
- *Using simple and unfussy designs. Masts which have complex designs are more likely to dominate and be in discord with the landscape and have adverse visual impacts; and*
- *Appropriate colouring.*

5.3 Local Policy

Policy UTL5 of Barnsley Unitary Development Plan, adopted in December 2000 states:

"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*
- 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"

It is the applicants considered opinion that this proposal confirms with the factors stated above.

6.0 Health & Safety

Recent court cases have confirmed that the *public perception* of health risks can be a material consideration within the land-use planning system. The weight to be attached to this issue has to be determined accordingly in each case by the decision maker. It has been generally held, and widely established at planning appeal, that health concerns are not a sufficient basis alone for withholding planning permission providing it has been demonstrated that the proposed installation will comply with the ICNIRP guidelines.

The most recent government advice regarding mobile telephone technology and health issues is outlined within the revised PPG8 (2001) which states: *"it is the Government's firm view that the planning system is not the appropriate mechanism for determining health safeguards. It remains central government's responsibility to decide what measures are necessary to protect public health. In the Government's view, if a proposed development meets the ICNIRP guidelines for public exposure it should not be necessary for a local planning authority, in processing an application for planning permission or prior approval, to consider further the health aspects and concerns about them."* Paragraph 98, PPG8, 22 August 2001

In this instance, O2 UK Ltd believes that it is not necessary to consider health effects further, as recommended by PPG8. O2 UK Ltd is committed to ensuring that all new and existing installations are

ICNIRP compliant, and consequently it is considered that there is no basis for this application to be refused on health and safety grounds or for reasons relating to public concerns about health and safety. An ICNIRP compliance certificate is enclosed in appendix C. If required, additional information regarding the operation of mobile telephone base stations and health and safety considerations can be provided.

7.0 Summary

To summarise the case in favour of the proposals the following points are of relevance:

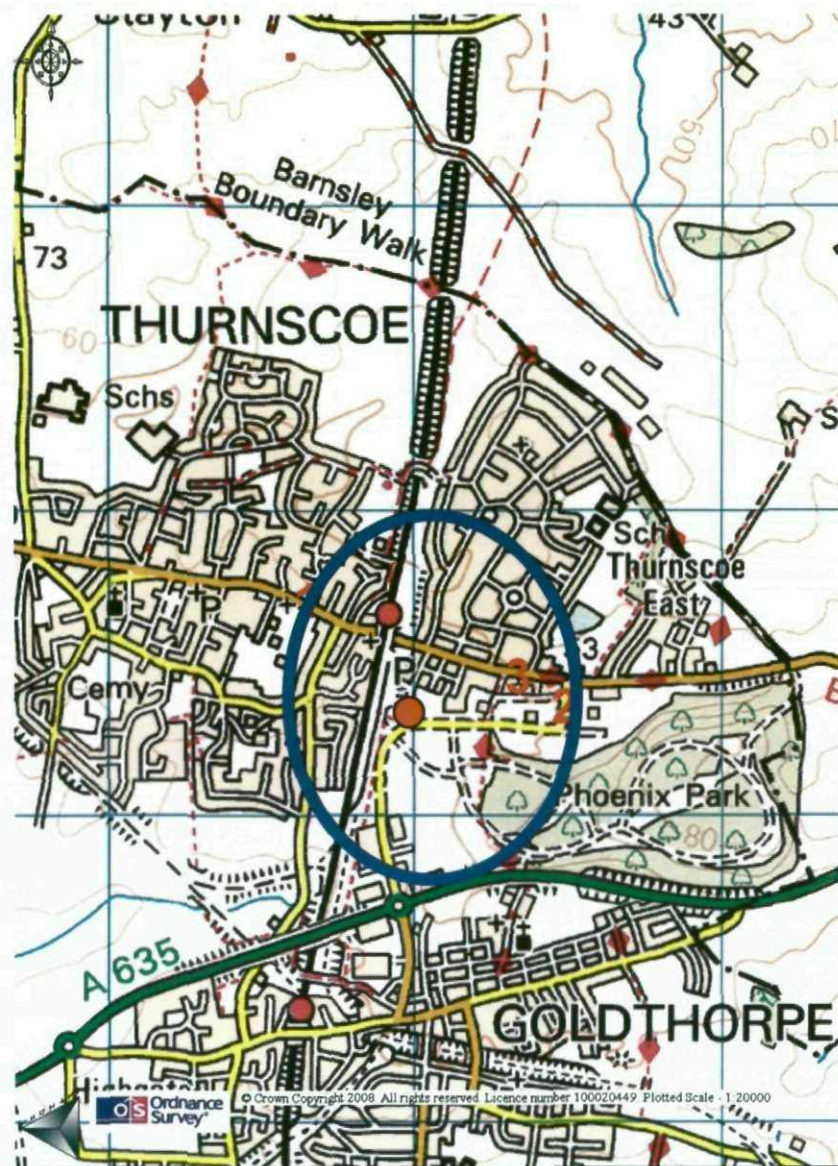
- With specific regard to telecommunications development, the applicants consider that the proposal accords fully with PPG 8, the Code of Best Practice and Policy UTL5 of the Barnsley Unitary Development Plan.
- Site selection was progressed in accordance with the appellants licence obligations, advice in PPG 8 and the Code of Best Practice and represents the least environmentally intrusive, technically suitable, available option;
- Telefónica O2's site selection strategy is to keep the overall environmental impact to a minimum through the use of site shares wherever possible. Site sharing is progressed where it is technically and legally possible and the preferred environmental solution. With regards to this nominal, every attempt has been made to accommodate Telefónica O2 equipment on existing facilities, however no suitable masts were identified within the required coverage area;
- Existing buildings and high structures have been investigated, although there were no appropriate buildings or structures within the vicinity that could be acquired by Telefónica O2;
- It is of note that the height of the mast (at 17.5 metres to the top) has been kept to the absolute operational minimum to clear the immediate buildings and provide adequate 3G coverage to the cell area;
- It is considered that the use of a 17.5 metre high, slim-line monopole with shrouded antennas would eliminate the large number of bracing components associated with other more prominent and conventional telecommunications proposals;
- Telefónica O2 have opted to connect the site into the national network via an underground link rather than rely on a transmission dish, which Telefónica O2 judged might affect the linear nature of the design and increase its prominence;
- The significance of the proposal in the development of the Telefónica O2 network is a material consideration and this site is required in order to contribute towards the obligation to provide coverage to 80% of the population by 2008.

APPENDIX A – DISCOUNTED OPTIONS & SEARCH AREA

**PROPOSED INSTALLATION OF A 17.5M FLEXICELL INCORPORATING THREE ANTENNAS,
GROUND BASED EQUIPMENT CABINET AND DEVELOPMENT ANCILLARY THERETO LOCATED
ON THE GRASS VERGE AT BARROWFIELD ROAD, THURNSCOE, BARNLEY S63 0BH.**

Appendix A includes a map that indicates the extent of the area in which an installation is required for Telefónica O2 UK Ltd. The search area within which an installation needs to be established in order to meet the coverage requirement is constrained by the location and extent of the coverage provided by existing installations in the surrounding area. An installation located outside of this search area would not allow Telefónica O2 UK Ltd to provide the desired level of coverage and would therefore not adequately fill the current coverage gap. The sites considered in section 3.4 above are also plotted on the attached map.

O2 Ref.: 41303 – Thurnscoe Centre - Discounted Options / Search Area O₂



Option	Address
1	Thurnscoe Hotel, Houghton Rd Thurnscoe, Rotherham, S63 0JX
2	Balfour Beatty Plant on Barrowfield Road, Thurnscoe, South Yorkshire, S63 0BH
3	Street Furniture on Phoenix Lane, Thurnscoe

Key: -

	SF on Barrowfield Road (Application Site)
	Search Area

APPENDIX B – TECHNICAL JUSTIFICATION AND COVERAGE PLOTS
PROPOSED INSTALLATION OF A 17.5M FLEXICELL INCORPORATING THREE ANTENNAS,
GROUND BASED EQUIPMENT CABINET AND DEVELOPMENT ANCILLARY THERETO LOCATED
ON THE GRASS VERGE AT BARROWFIELD ROAD, THURNSCOE, BARNSELY S63 0BH.

As indicated in the supporting statement Appendix B contains coverage plots illustrating the operational affect of and the technical requirement for the proposed installation.

It is of note that the significance of the proposal in the development of the Telefónica O2 network is a material consideration and this site is required in order to contribute towards the obligation to provide coverage to 80% of the population by 2008.

Telefónica O2 (UK) Ltd

Technical Justification

Site details	
Cell Ref:	041303
Site Name:	Thurnscoe Centre
Site address:	Barrowfield Road
	Thurnscoe
	Barnsley
	S63 0JW
NGR:	445979, 405304

This summary provides a brief technical justification for the proposed telecommunications installation at 41303 – Thurnscoe Centre. It is accompanied by radio coverage plots which illustrate the need for the proposed installation.

Site 41303 – Thurnscoe Centre is a 3G site and as such is designed to fill a coverage hole that exists between adjacent existing 3G sites.

The search area for a base station was limited due to site to site distance constraints that govern O2's network design.

The level of coverage provided by a particular site is dependant on a number of factors. The key factors are the frequency of the signal emitted (the higher the frequency, the shorter the transmission distance), the height and nature of surrounding "clutter" such as buildings and trees, which can obstruct, absorb and reflect the radio signals. The degradation of the signal by an appreciable amount will result in poor network performance. In order that the radio signal can be transmitted successfully the antennae must also be clear of any close obstructions which will cause "blocking" and "clipping" of the radio signal. The site is intended to provide coverage to the populated area around Thurnscoe and provide coverage for Thurnscoe and north of Goldthorpe.

In this instance an overall structure height of at least 17.5m is required. This will ensure the signal is free from any blocking / clipping as previously mentioned. The attached radio coverage plots are produced using computer modelling software and are intended to give as accurate a representation as possible of proposed coverage. The model does not take into account specific local features such as individual building heights, trees, etc.

The coverage plots show four levels of coverage:

- White** – Very weak signal / No signal. No coverage guaranteed
- Orange** – Relatively weak signal. Capable of providing only on-street coverage.
- Blue** – Moderately strong signal. Will provide coverage in-car and on-street
- Green** – Strong signal. Will provide coverage in building, in-car and on-street

Plot 1 – Coverage from existing sites without 41303 – Thurnscoe Centre

This plot includes coverage with our existing 3G sites in place. As can be clearly seen there is a no existing 3G coverage for in-building (no Green)

Plot 2 – Proposed Coverage with 41303 – Thurnscoe Centre

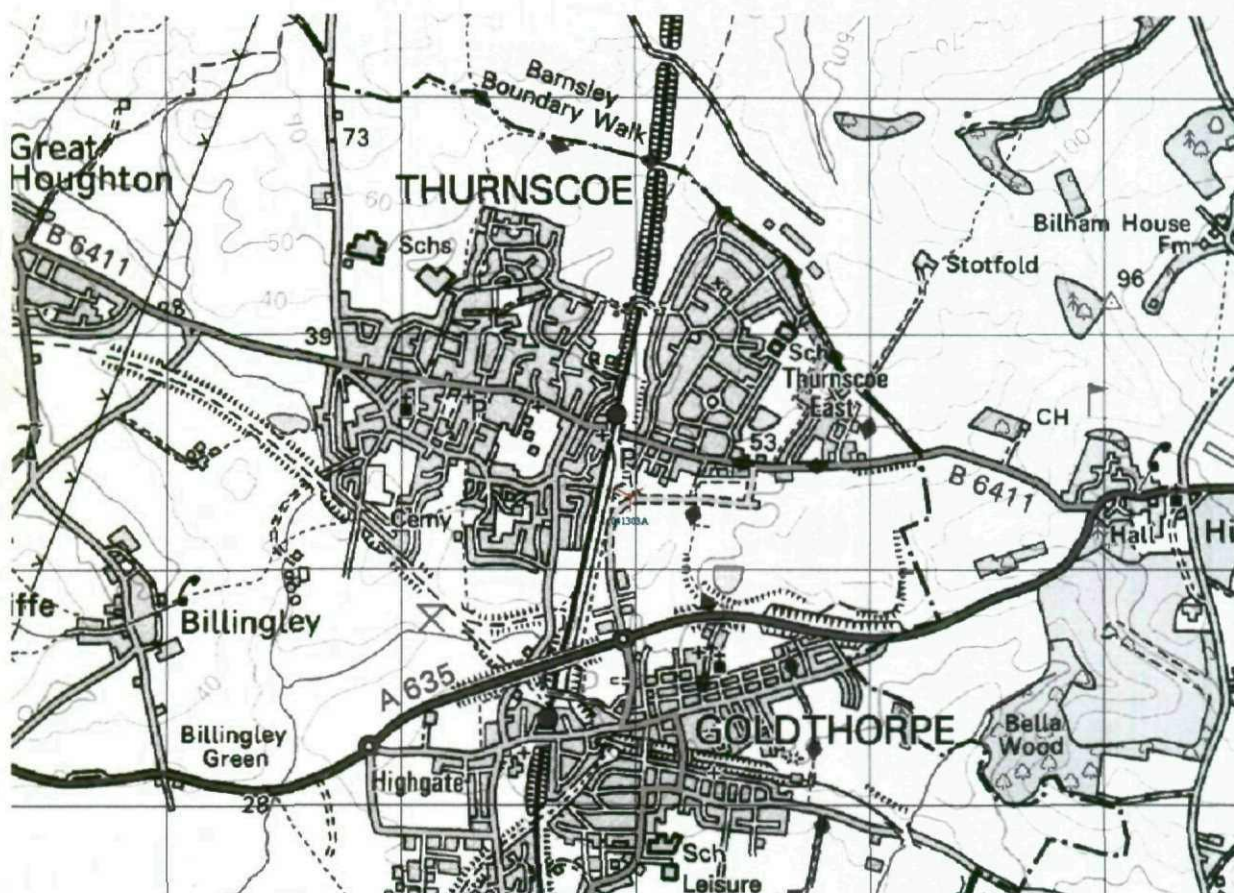
This plot includes coverage from our proposed site. When compared to plot 1 a much greater level of in-building (Green) coverage can be observed.

Plot 3 – Proposed coverage with 41303 – Thurnscoe Centre in isolation

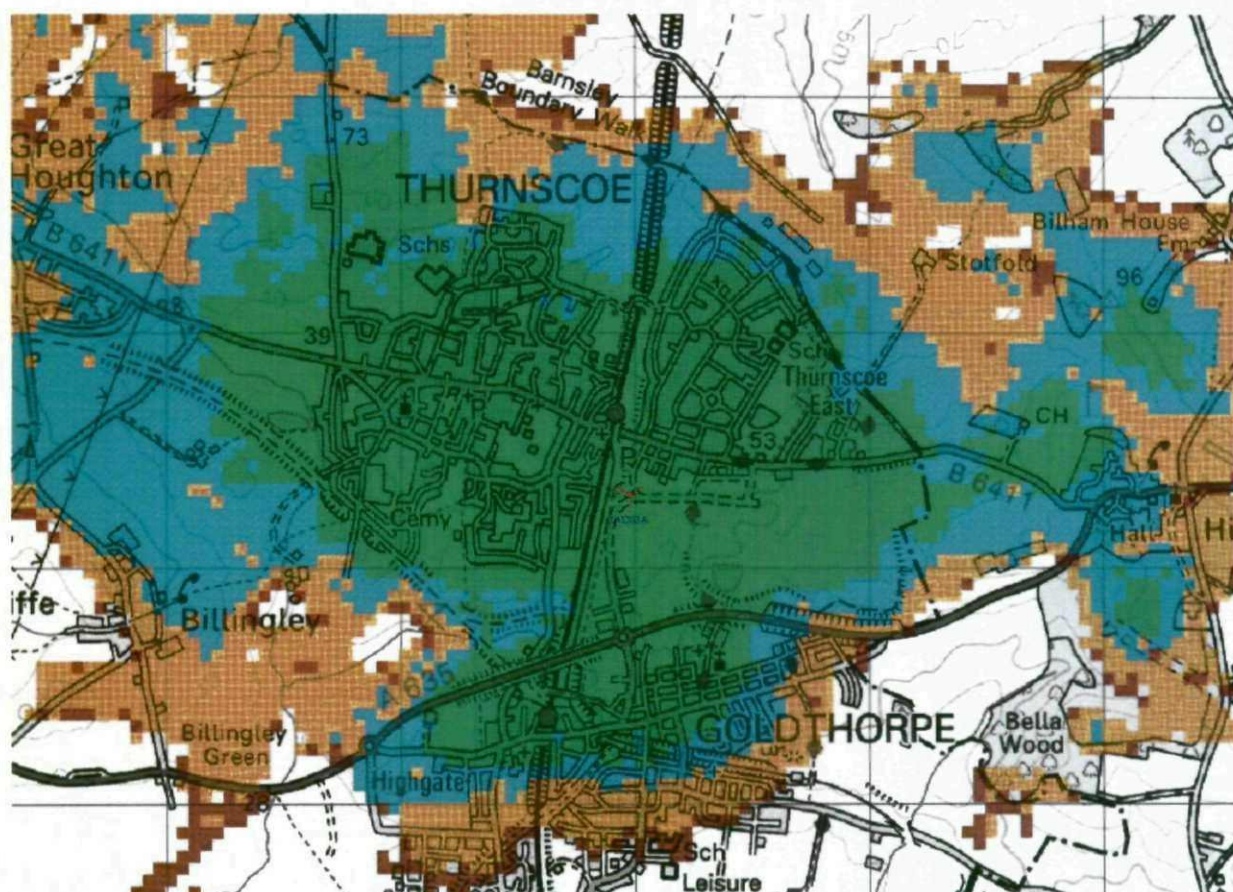
This plot includes the coverage from our proposed site only. This shows the extent of the 3G service provided by the new site in the required area.

If you require any further information or would like to discuss the above justification please do not hesitate to contact Bhavesh Mistry of Lambert Smith Hampton who has submitted this application.

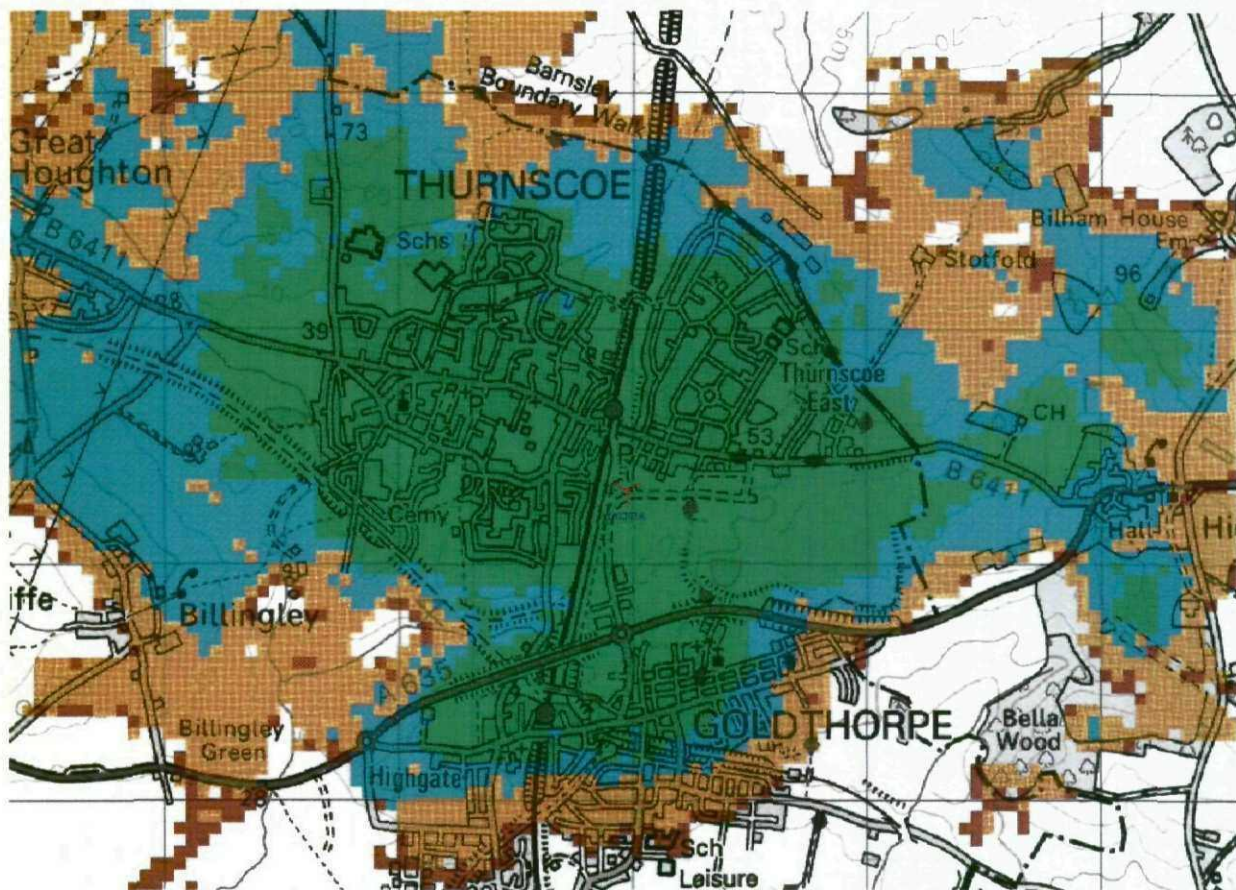
**Howard Sidery
Radio Planner
Telefónica O2 (UK) Ltd**

Plot 1 - Existing coverage plot without 41303 – Thurnscoe Centre

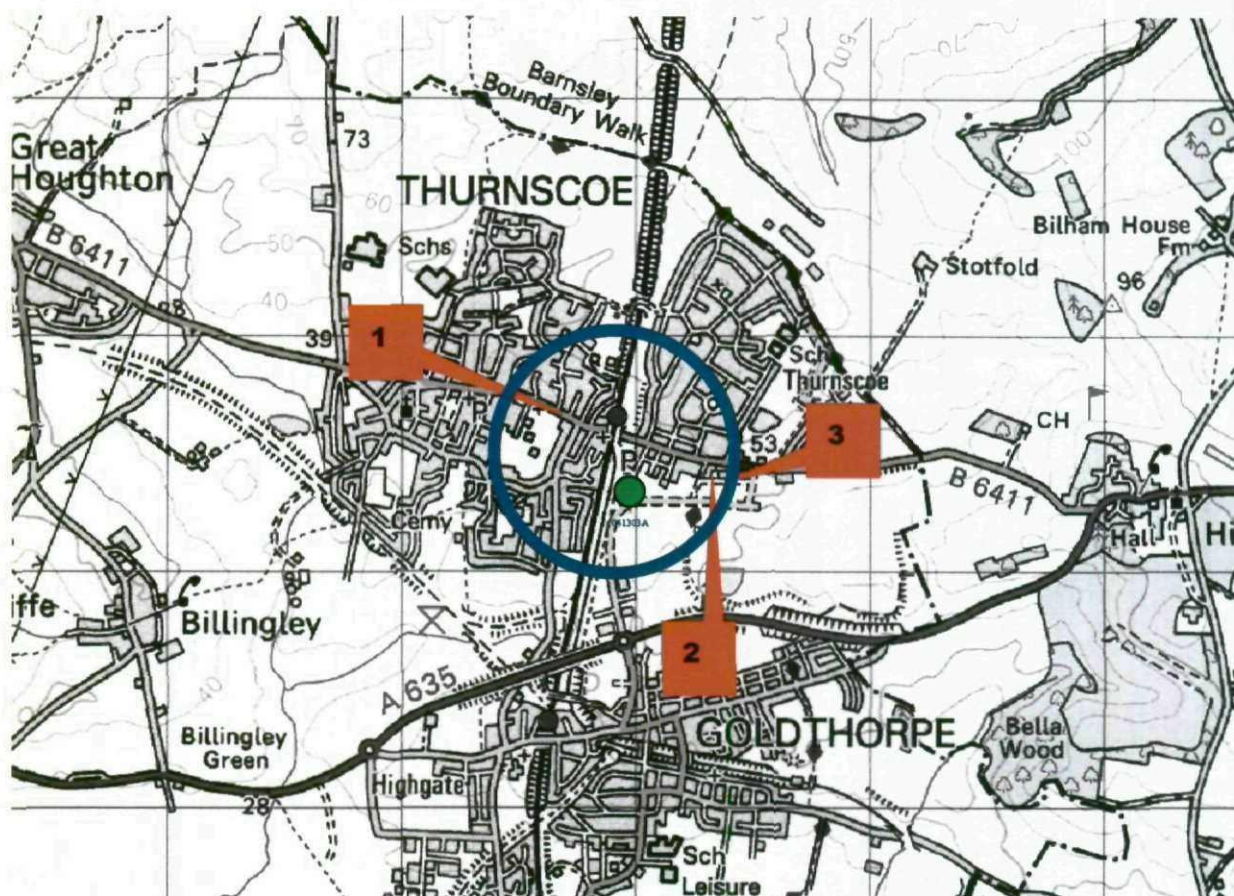
Plot 2 – Proposed coverage with 41303 – Thurnscoe Centre in place



Plot 3 - Proposed coverage with 41303 – Thurnscoe Centre only



Search Area and Discounted Options



	ADDRESS
1	Thurnscoe Hotel, Houghton Rd Thurnscoe, Rotherham, S63 0JX
2	Balfour Beatty Plant on Barrowfield Road, Thurnscoe, South Yorkshire, S63 0BH
3	Street Furniture on Phoenix Lane, Thurnscoe

KEY	
	APPLICATION SITE
	SEARCH AREA

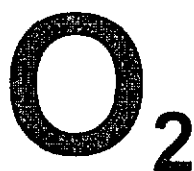
APPENDIX C – ICNIRP COMPLIANCE STATEMENT
PROPOSED INSTALLATION OF A 17.5M FLEXICELL INCORPORATING THREE ANTENNAS,
GROUND BASED EQUIPMENT CABINET AND DEVELOPMENT ANCILLARY THERETO LOCATED
ON THE GRASS VERGE AT BARROWFIELD ROAD, THURNSCOE, BARNSELY S63 0BH.

Appendix C contains the ICNIRP Certificate relating to the proposals.

As indicated in the supporting statement national planning policy guidance note PPG8 offers advice to Local Planning Authorities in the determination of telecommunications proposals and the formulation of local plan policies. With reference to health and safety issues PPG8 confirms that the recommendations of the Stewart Report (Published in May 2000) should be adopted in the evaluation of telecommunications developments.

In relation to the increased public perception of risk PPG8 offers the following guidance:

"However, it is the Government's firm view that the planning system is not the place for determining health safeguards. It remains central Government's responsibility to decide what measures are necessary to protect public health. In the Government's view, if a proposed mobile phone base station meets the ICNIRP guidelines for public exposure it should not be necessary for a local planning authority, in processing an application for planning permission or prior approval, to consider further the health aspects and concerns about them." Paragraph 98, PPG8, DTLR



**Declaration of Conformity with ICNIRP Public Exposure Guidelines
("ICNIRP Declaration")**

Telefónica O2 (UK) Limited
260 Bath Road
Slough
SL1 4DX

Certifies that the proposed equipment and installation as detailed in the attached
planning / GPDO application at:

Cell Reference - 41303– Thurnscoe Centre

Site Address - Street Furniture at Barrowfield Road, Thurnscoe, Barnsley, S63 0BH

is designed to be in full compliance with the requirements of the radio frequency (RF)
public exposure guidelines of the International Commission on Non-Ionising
Radiation Protection (ICNIRP), as expressed in EU Council recommendation of 12
July 1999 * "on the limitation of exposure of the general public to electromagnetic
fields (0 Hz to 300 GHz)".

* Reference: 1999/519/EC

Date: 27 October 2008

Signed:

A handwritten signature in black ink, appearing to read 'P. Reeve', written over a horizontal line.

Name: Peter Reeve

Position: Network Radio Planner

FILE COPY

Councillor Alan Gardiner
Town Hall
Barnsley
S70 2TA

09 October 2008

Dear Councillor Gardiner

Pre - Planning Application Consultation

Cell Site Ref: 41303 Thurnscoe Centre

Proposed Radio Base Station: SF on Barrowfield Road, Thurnscoe, South Yorkshire, S63 0BH

I write, on behalf of Telefónica O₂, to consult with you about a **proposal** for a radio base station located on Barrowfield Road, Thurnscoe.

As you may be aware, Telefónica O₂ has a longstanding requirement to provide an adequate level of 3G coverage to their customers within the Thurnscoe locality who currently do not receive an adequate level of 3G coverage. Telefónica O₂ have reviewed their options within this area and located their proposal upon Barrowfield Road, which is considered to be the most suitable location for their installation within the locality. Telefónica O₂ considers it important that both you and your community are kept informed and involved in the process of siting this base station. Accordingly with this letter we have included details of our proposal and advice on how you can comment.

If you have any particular comments in relation to the location and appearance of this proposal please contact the **Network Consultation Helpdesk** at the address below.

O₂ also appreciates that you may have concerns about the potential siting of a mobile phone mast in your community. In order to help address these concerns I enclose some additional information on radio base stations, including some on the subject of mobile technologies and health.

Having read the details of this proposal and the accompanying information, if you wish to comment we ask that you do so within 14 days of the date of this letter. This will enable Telefónica O₂ to consider any comments prior to making a formal planning submission to the Local Planning Authority.