

**COPY OF PRE APPLICATION CONSULTATION
LETTERS**

**LAND AT BULL CLIFF, OFF MARINE DRIVE,
BARRY, VALE OF GLAMORGAN, CF62 6PQ**

NGR E: 309113 N: 166845

1601274 PN

RECEIVED

25 OCT 2016

Regeneration
and Planning

Our Ref: **CTIL_208013_VF_96049_TF_50775**

Barry Town Council
C/O Clerk
Council Offices
7 Gladstone Road
Barry
Vale of Glamorgan
CF62 8NA

07 September 2016

Dear Sir/Madam

PROPOSED BASE STATION INSTALLATION AT CTIL_208013_VF_96049_TF_50775 LAND AT BULL CLIFF, OFF MARINE DRIVE, BARRY, VALE OF GLAMORGAN, CF62 6PQ NGR E: 309113 N: 166845

Vodafone Limited has entered into an agreement with Telefonica UK Limited pursuant to which the two companies plan to jointly operate and manage a single network grid across the UK. These arrangements will be overseen by Cornerstone Telecommunications Infrastructure Ltd (CTIL) which is a joint venture company owned by Vodafone Limited and Telefónica UK Limited.

This agreement allows both organisations to:

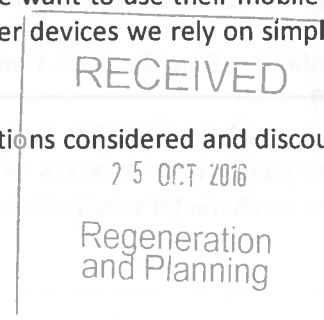
- Pool their basic network infrastructure, while running two, independent, nationwide networks
- Maximise opportunities to consolidate the number of base stations
- significantly reduce the environmental impact of network development.

Vodafone is in the process of identifying a suitable site in the Barry area for a radio base station. The purpose of this letter is to consult with you and seek your views on our proposal before any planning submission is made. We understand that you are not always able to provide site specific comments, however, Vodafone and Telefónica are committed to consultation with communities on our mobile telecommunications proposals and as such would encourage you to respond.

As part of Vodafone's continued network improvement program, there is a specific requirement for a new radio base station in this area to provide new 4G services whilst at the same time improving existing 2G and 3G coverage. Currently, the operator has little to no 4G coverage in this cell area. An installation in this location would fill the 'gap' in the existing coverage in line with local and national guidance and the Governments increasing support to enable everyone to connect to the information super highway. Having access to high quality communication infrastructure brings with it significant social and economic benefits. An installation in this location would also provide new 4G services for Telefónica in line with its 4G license requirements to provide 98% coverage by 2017. It will also enable Telefónica's existing 2G and 3G services to be improved.

Mobiles can only work with a network of base stations in place where people want to use their mobile phones or other wireless devices. Without base stations, the mobile phones and other devices we rely on simply won't work.

Please find below the details of the proposed site and the alternative site options considered and discounted in our site selection process: -



Our technical network requirement is as follows:

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The site is required in to order to provide new 4G coverage for Vodafone and improved 2G/3G services. It will also enable Telefónica to provide a new 4G service and improved 2G/3G services within Barry.

A number of options have been assessed in respect of the site search process and we consider the best solution is as follows:

LAND AT BULL CLIFF, OFF MARINE DRIVE, BARRY, VALE OF GLAMORGAN, CF62 6PQ NGR E: 309113 N: 166845

The proposals relate to the installation of a radio base station comprising a 12.5m mock telegraph column supporting 6 no. antennas, 2 no. transmission dishes, 2 no. equipment cabinets and ancillary development thereto.

The site has been chosen in this location as it is just outside the built up area of Barry, it is located outside Barry Marine Conservation Area and Barry Gardens Suburbs Conservation Area. The site is nestled between a number of trees which rise to some 6-7m. This offers the site natural screening within the wider area.

The search area is predominately residential with some open space. The search area slopes downwards from the west to the east. Thus these factors limit the options available to the operator for siting a telecommunications installation in this cell area.

The site is set well back from the main roads on private land. The design of the column has been carefully chosen so that it replicates a telegraph pole. The 12.5m is the lowest height possible which will clear the trees and provide new and improved coverage services to the built up area of Barry. If the column were to be any lower then the antennas would not be able to work effectively due to the blocking effect from the adjacent trees and the operator would not be able to provide coverage to the target coverage area. Thus an additional installation would be required elsewhere within this cell area. This would lead to the proliferation of masts contrary to national guidance.

There are no existing suitable and available installations within the operators search area which could be utilised to provide new 4G services and improved 2g/3G and 4G services to this part of Barry.

We have considered alternative site options and discounted as follows:

- **Greenfield – St Francis Millennium Centre, Park Road, Barry, Vale of Glamorgan, CF62 6NX NGR E: 310005 N: 167181**

This site has had to be discounted as the Site Provider has confirmed that they are not willing to accommodate a telecommunications installation on their property. Therefore, this option is not available as the operator does not have the owner's permission to use their land or building.

- **SW Park Road/Porth-Y-Castell, Barry, Vale of Glamorgan, CF62 6QA NGR E: 310047 N: 167174**

The space is limited on this adopted highway due to the existing street furniture already in situ. Moving the equipment forward would detrimentally affect visibility splays causing highway safety issues.

- **Greenfield – Romilly Park, Romilly Park Road, Barry, Vale of Glamorgan, CF62 6RR NGR E: 310006 N: 166907**

This site is located within a conservation area. In order to obtain the required radio coverage the mast would need to be in excess of 20m. This would have a detrimental effect on visual amenity and would harm the character and appearance of the conservation area.

- **Rooftop/Existing Site, Barry West Club, St Nicholas Road, Barry, Vale of Glamorgan, CF62 6QY NGR E: 310443 N: 167006**

This site is outside the operators search area and as such will not provide the necessary coverage to the target coverage area. Therefore it has been discounted on technical grounds.

- **Min-Y-Mor Streetworks, Barry, Vale of Glamorgan, CF62 6QG NGR E: 309692 N: 166875**

The pavement is too narrow in this location to accommodate a telecommunications installation. The site has therefore been discounted due to insufficient space.

- **Greenfield – Network Rail Lakeside, Lakeside, Barry, Vale of Glamorgan, CF62 6SS NGR E: 310238 N: 166705**

In order to clear the trees, to enable the antennas to work effectively, a column at least 17.5m in height would be required. This site is within a conservation area, close to residential properties with little natural screening. Therefore, it is considered that on balance, a 17.5m mast in this location would have a detrimental effect on the character and appearance of the area, especially as there is an alternative site which achieves a better balance between the operator's requirements and the need to minimise the environmental impact.

- **Greenfield – Bron-Y-Mor Car Park, Barry, Vale of Glamorgan, CF62 6SW NGR E: 310120 N: 166716**

The site provider is the Council, who have confirmed that they are not interested in accommodating a telecommunications installation at this location. Therefore, this option has to be discounted as the operator does not have the owner's permission to use their land.

- **Streetworks – Bron-Y-Mor, Barry, Vale of Glamorgan, CF62 6SW NGR E: 310160 N: 166667**

There is insufficient space on the adopted footpath to support a telecommunications installation at this location. As such, the highways department is likely to object on highway safety grounds.

- **Rooftop – Waters Edge, The Waters Edge, Beechway, Barry, Vale of Glamorgan, CF62 6UD NGR E: 309964 N: 166484**

The design and shape of the roof would not support a telecommunications installation. Therefore this site is discounted for build reasons.

- **Knap Car Terrace, Barry, Vale of Glamorgan, CF62 6TA NGR E: 309823 N: 166528**

The ground level at this location is considerably lower than the surrounding area. As such, this site would not meet the operator's coverage requirements to the target coverage area.

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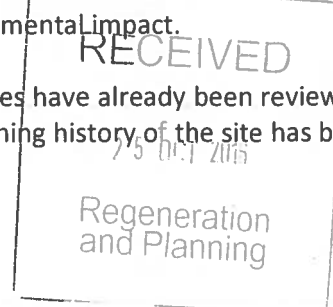
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There is a decline in height between the road and the Welsh Water compound. As such, a mast at least 20m in height would be required in this location in order to provide the operator with the necessary coverage to the target coverage area. On balance, it is considered that such an installation in this location would have a detrimental effect on the visual amenity of the area and character and appearance of the streetscene, especially as the conservation area is located less than 10m away. Furthermore, the site is surrounded by residential properties. The proposed site on land at Bull Cliff achieves a better balance between the operators' requirements and the need to minimise the environmental impact.

The Local Planning Authority must register and our records of other potential sites have already been reviewed, the policies in the Development Plan have been taken into account and the planning history of the site has been examined.



All Vodafone's installations are designed to be fully compliant with the public exposure guidelines established by the International Commission on Non-Ionizing Radiation Protection (ICNIRP). These guidelines have the support of UK Government, the European Union and they also have the formal backing of the World Health Organisation. A certificate of ICNIRP compliance will be included within the planning submission.

In order to give you time to send your comments or request further information, we commit to allow at least 14 days before an application is submitted to the Local Planning Authority. This 14 day period starts from the date at the top of this letter.

We would also be grateful if you could please advise of any local stakeholders or groups that might like to make comments. Please note we have similarly consulted the local planning authority, the Councillors within Baruc Ward, the Clerk to Barry Town Council and the local MP Alun Cairns.

We look forward to receiving any comments you may have on the proposal.

Yours faithfully



Jennie Hann

Town Planner

Clarke Telecom

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Fax: +44 (0)161 785 4501

Email: jennie.hann@clarke-telecom.com

(For and on behalf of CTIL and Vodafone Ltd)

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Cllr Nic Hodges
19 Romilly Road
Barry
CF62 3AZ

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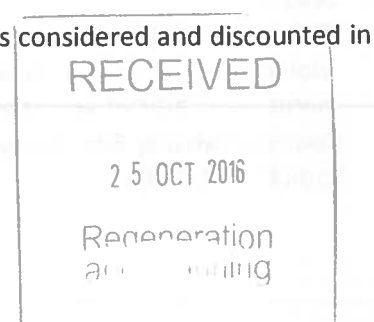
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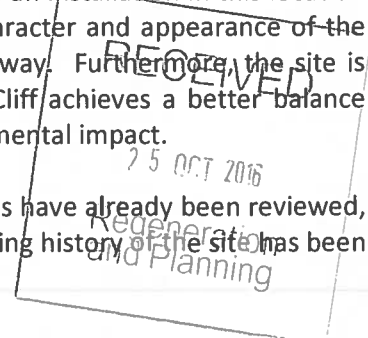
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Cllr Steffan William
14 Friars Road
Barry Island
Barry
CF62 5TR

07 September 2016

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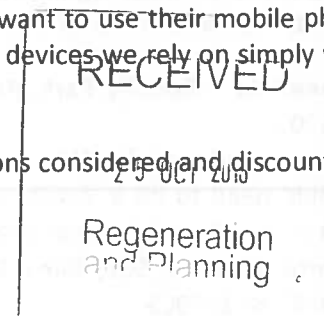
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Regeneration
and Planning

of UK Government, the European Union and they also have the formal backing of the World Health Organisation. A certificate of ICNIRP compliance will be included within the planning submission.

In order to give you time to send your comments or request further information, we commit to allow at least 14 days before an application is submitted to the Local Planning Authority. This 14 day period starts from the date at the top of this letter.

We would also be grateful if you could please advise of any local stakeholders or groups that might like to make comments. Please note we have similarly consulted the local planning authority, the Councillors within Baruc Ward, the Clerk to Barry Town Council and the local MP Alun Cairns.

We look forward to receiving any comments you may have on the proposal.

Yours sincerely



Jennie Hann

Town Planner

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(For and on behalf of CTIL and Vodafone Ltd)

Our Ref : CTIL_208013_VF_96049_TF_50775

Mr Alun Cairns MP
House Of Commons
London
SW1A 0AA

7 September 2016

Dear Mr Cairns

**PRE-PLANNING APPLICATION CONSULTATION FOR A MOBILE PHONE BASE STATION INSTALLATION AT
CTIL_208013_VF_96049_TF_50775 LAND AT BULL CLIFF, OFF MARINE DRIVE, BARRY, VALE OF GLAMORGAN,
CF62 6PQ NGR E: 309113 N: 166845**

You may be aware that Vodafone Limited has entered into an agreement with Telefónica UK Limited pursuant to which the two companies plan to jointly operate and manage a single network grid across the UK. These arrangements will be overseen by Cornerstone Telecommunications Infrastructure Ltd (CTIL) which is a joint venture company owned by Vodafone Limited and Telefónica UK Limited.

This agreement allows both organisations to:

- pool their basic network infrastructure, while running two, independent, nationwide networks
- maximise opportunities to consolidate the number of base stations
- significantly reduce the environmental impact of network development

As a result we are consulting with communities in line with Best Practice principles where planning applications for new telecommunications installations are required.

This letter is sent to you in the pre-planning application consultation phase of the development for a new mobile phone base station site and is simply intended to keep you informed and advised of the proposed development in your area prior to any planning application being submitted. However, if you do wish to submit comments or have been contacted by your constituents in relation to this matter and wish to send us comments on their behalf, please feel free to do so via the following address :

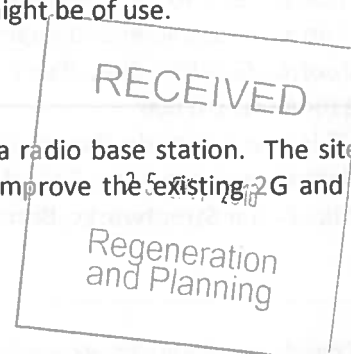
Community Consultation & EMF Enquiries, Building 1330 – The Exchange, Arlington Business Park, Theale, Berkshire, RG7 4SA.

Email: emf.enquiries@ctil.co.uk

What follows is a summary of the proposal and some further information that might be of use.

Summary of the proposal

Vodafone is in the process of progressing a suitable site in the Barry area for a radio base station. The site is required in to order to provide new 4G coverage for Vodafone. It will also improve the existing 2G and 3G



services in the area. The new site will also enable Telefonica to provide 4G coverage and improved 2G/3G services. The railway coverage in this area will also be improved.

A number of options have been assessed in respect of the site search process but we consider the best option for the new installation to be at **LAND AT BULL CLIFF, OFF MARINE DRIVE, BARRY, VALE OF GLAMORGAN, CF62 6PQ NGR E: 309113 N: 166845.**

The proposals relate to the installation of a radio base station comprising a 12.5m mock telegraph column supporting 6 no. antennas, 2 no. transmission dishes, 2 no. equipment cabinets and ancillary development thereto.

The site has been chosen in this location as it is just outside the built up area of Barry, it is located outside Barry Marine Conservation Area and Barry Gardens Suburbs Conservation Area. The site is nestled between a number of trees which rise to some 6-7m. This offers the site natural screening within the wider area.

The search area is predominately residential with some open space. The search area slopes downwards from the west to the east. Thus these factors limit the options available to the operator for siting a telecommunications installation in this cell area.

The site is set well back from the main roads on private land. The design of the column has been carefully chosen so that it replicates a telegraph pole. The 12.5m is the lowest height possible which will clear the trees and provide new and improved coverage services to the built up area of Barry. If the column were to be any lower then the antennas would not be able to work effectively due to the blocking effect from the adjacent trees and the operator would not be able to provide coverage to the target coverage area. Thus an additional installation would be required elsewhere within this cell area. This would lead to the proliferation of masts contrary to national guidance.

There are no existing suitable and available installations within the operators search area which could be utilised to provide new 4G services and improved 2g/3G and 4G services to this part of Barry.

The other site options that were considered and then discounted are as follows:

- **Greenfield – St Francis Millennium Centre, Park Road, Barry, Vale of Glamorgan, CF62 6NX NGR E: 310005 N: 167181**
This site has had to be discounted as the Site Provider has confirmed that they are not willing to accommodate a telecommunications installation on their property. Therefore, this option is not available as the operator does not have the owner's permission to use their land or building.
- **SW Park Road/Porth-Y-Castell, Barry, Vale of Glamorgan, CF62 6QA NGR E: 310047 N: 167174**
The space is limited on this adopted highway due to the existing street furniture already in situ. Moving the equipment forward would detrimentally affect visibility splays causing highway safety issues.
- **Greenfield – Romilly Park, Romilly Park Road, Barry, Vale of Glamorgan, CF62 6RR NGR E: 310006 N: 166907**
This site is located within a conservation area. In order to obtain the required radio coverage the mast would need to be in excess of 20m. This would have a detrimental effect on visual amenity and would harm the character and appearance of the conservation area.
- **Rooftop/Existing Site, Barry West Club, St Nicholas Road, Barry, Vale of Glamorgan, CF62 6QY NGR E: 310443 N: 167006**
This site is outside the operators search area and as such will not provide the necessary coverage to the target coverage area. Therefore it has been discounted on technical grounds.
- **Min-Y-Mor Streetworks, Barry, Vale of Glamorgan, CF62 6QG NGR E: 309692 N: 166875**

The pavement is too narrow in this location to accommodate a telecommunications installation. The site has therefore been discounted due to insufficient space.

- **Greenfield – Network Rail Lakeside, Lakeside, Barry, Vale of Glamorgan, CF62 6SS NGR E: 310238 N: 166705**

In order to clear the trees, to enable the antennas to work effectively, a column at least 17.5m in height would be required. This site is within a conservation area, close to residential properties with little natural screening. Therefore, it is considered that on balance, a 17.5m mast in this location would have a detrimental effect on the character and appearance of the area, especially as there is an alternative site which achieves a better balance between the operator's requirements and the need to minimise the environmental impact.

- **Greenfield – Bron-Y-Mor Car Park, Barry, Vale of Glamorgan, CF62 6SW NGR E: 310120 N: 166716**

The site provider is the Council, who have confirmed that they are not interested in accommodating a telecommunications installation at this location. Therefore, this option has to be discounted as the operator does not have the owner's permission to use their land.

- **Streetworks – Bron-Y-Mor, Barry, Vale of Glamorgan, CF62 6SW NGR E: 310160 N: 166667**

There is insufficient space on the adopted footpath to support a telecommunications installation at this location. As such, the highways department is likely to object on highway safety grounds.

- **Rooftop – Waters Edge, The Waters Edge, Beechway, Barry, Vale of Glamorgan, CF62 6UD NGR E: 309964 N: 166484**

The design and shape of the roof would not support a telecommunications installation. Therefore this site is discounted for build reasons.

- **Knap Car Terrace, Barry, Vale of Glamorgan, CF62 6TA NGR E: 309823 N: 166528**

The ground level at this location is considerably lower than the surrounding area. As such, this site would not meet the operator's coverage requirements to the target coverage area.

- **Porth-Y-Castell/Westward Rise Streetworks, Porth-Y-Castell/Westward Rise Junction, Barry, Vale of Glamorgan, CF62 6NX NGR E: 309992 N: 167145**

This site is located within a conservation area and is surrounded by residential properties. It would therefore have a much greater impact on the visual amenity of the area and the character and appearance of the conservation area, than the proposed siting on Bull Cliff, set back from the conservation area and residential properties.

- **Streetworks on Marine Drive, Barry, Vale of Glamorgan, CF62 6QP NGR E: 309386 N: 166852**

The pavement is too narrow at this location to accommodate a telecommunications installation.

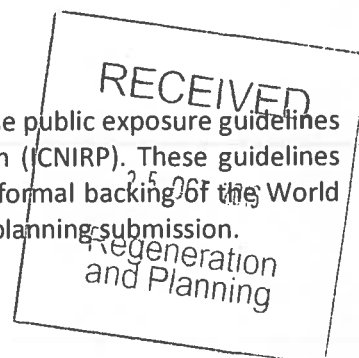
- **Westward Rise Welsh Water, Barry, Vale of Glamorgan, CF62 6NR NGR E: 309399 N: 167088**

There is a decline in height between the road and the Welsh Water compound. As such, a mast at least 20m in height would be required in this location in order to provide the operator with the necessary coverage to the target coverage area. On balance, it is considered that such an installation in this location would have a detrimental effect on the visual amenity of the area and character and appearance of the streetscene, especially as the conservation area is located less than 10m away. Furthermore, the site is surrounded by residential properties. The proposed site on land at Bull Cliff achieves a better balance between the operators' requirements and the need to minimise the environmental impact.

In line with Best Practice principles we have shared these details with local councillors, the Clerk to Barry Town Council and planning officers.

ICNIRP Compliance

All Vodafone installations are designed to be fully compliant with the public exposure guidelines established by the International Commission on Non-Ionizing Radiation Protection (ICNIRP). These guidelines have the support of UK Government, the European Union and they also have the formal backing of the World Health Organisation. A certificate of ICNIRP compliance will be included within the planning submission.



Radio technology and health

Useful information sources on this include:

Code of Best Practice on Mobile Network Development

[http://www.mobilemastinfo.com/images/stories/2013_Code_of_best_practice/Code of Best Practice on Mobile Network Development – Published 24-07-2013.PDF](http://www.mobilemastinfo.com/images/stories/2013_Code_of_best_practice/Code_of_Best_Practice_on_Mobile_Network_Development_Published_24-07-2013.PDF)

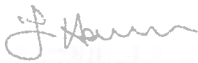
National Planning Policy Framework www.communities.gov.uk

World Health Organisation – Electromagnetic Fields www.who.int/peh-emf/en

International Commission on Non Ionising Radiation Protection www.icnirp.de

I trust all is clear from the enclosed but if you have further questions on this or any other matter concerning Vodafone and Telefónica and please do not hesitate to contact us through Community Consultation & EMF Enquiries within 14 days from the date of this letter.

Yours sincerely



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