

Town Planning Statement

5G Electronic Communications Base Station

At the Existing Cellnex Site

***Muswell Hill ATE, Grand Avenue, London, Greater London, N10
3AY***

Site Reference - 244663

CTIL

August 2022

1. INTRODUCTION

1.1 This statement is submitted in support of an application for planning permission approval for a 5G mobile base station for the mobile network operator(s) (MNOs) Vodafone Ltd and Telefónica UK Ltd, in conjunction with Cornerstone Telecommunications Infrastructure Ltd (CTIL). The application site is owned / operated by Cellnex, a radio site infrastructure provider.

1.2 The application includes:

- A description of the site and surrounding area
- A description of the proposal
- A statement of community engagement
- A review of planning policy considerations
- A review of design and access considerations

1.3 A number of other accompanying documents have been submitted in support of the application and these are referred to and must be read in conjunction with this statement.

2. SITE AND SURROUNDING AREA

2.1 Our proposed upgrade site is located on the rooftop of Muswell Hill Ate, Grand Avenue, Haringey, London which is predominantly a residential area.

2.2 Our proposed location presents at the Southern edge of Muswell Hill Conservation and to the best of our knowledge does not present with additional designations.

2.3 The site is adjacent to Grand Avenue with the B550 situated to the right of the proposed site.

2.4 The area is predominantly residential and therefore there is high mobile demand within the area and our proposed development wishes to increase the connectivity and efficiency for the area. The location currently hosts existing telecommunication installations and thus there is a power supply, security and available access to and from the site. The presence of existing telecommunications infrastructure on site will aid in assimilating the proposed upgrade with its immediate surroundings and we believe no visual intrusion will be felt at this location.

3. THE 5G PROPOSAL

- 3.1 The development proposed is shown in detail in the drawings submitted and is for a new 5G electronic communications base station. The deployment of 5G will utilise the MNOs existing 3G and 4G networks such as the base station already existing at the application site. As such, the application site is likely to carry different mobile connectivity services in parallel, with high data uses operating through the new 5G higher capacity network apparatus subject of this application.
- 3.2 Unlike earlier generations of mobile connectivity, 5G has more significant technical and operational requirements and this has implications on the amount, height, position and design of the new base station apparatus on the rooftop of the building. To help explain this important detail, we have set this out in the accompanying **“5G Technical Support”** document, which must be read in conjunction with this planning statement.
- 3.3 The principal elements of the proposed development at the application site reflect these various siting and design factors within the technical support document:
- Addition of 2No. new M-MIMO Antenna, 1No. to each of the existing 2No. Climbable Tripods.
 - Addition of 1No. new M-MIMO Antenna to new Climbable Tripod to be added on the SE corner of the roof.
 - Addition of new Climbable Tripod on southeast corner of the roof
 - Installation of ancillary and attaching apparatus as shown in drawings 166663-22-130 & 166663-22-180.
- 3.4 The radio equipment housing will need to be mechanically ventilated to avoid overheating of equipment. The ventilation equipment is only likely to operate during the day during hot weather. If it is considered specific noise attenuation measures to be necessary, we would be pleased to discuss practicable solutions.
- 3.5 Section 6 of the Code of Best Practice on Mobile Network Development in England, published in November 2016, explains how mobile networks operate. In the annual network rollout information supplied, the operators will have explained their network requirements for 5G and the anticipated use of existing sites, including those owned by radio site infrastructure providers like Cellnex.

- 3.6 The application site has been selected by the operator as this will provide the required level of 5G network coverage while properly meeting national town planning policy objectives for the shared use of existing electronic communication sites, in this case owned / operated by Cellnex.

4. PRIOR ENGAGEMENT

- 4.1 The recently revised National Planning Policy Framework (NPPF) and the Code of Best Practice on Mobile Network Development in England require a consultative approach to network development with the planning authority and local community, reflecting the particular sensitivities of any given site. The proposal received amber when assessed against the traffic light rating model (see Appendix B of the Code of Best Practice).
- 4.2 In our engagement letter we sought to agree with you the appropriate traffic light rating and associated engagement requirements with the local community and obtain your comments on the siting and design of the development.
- 4.3 Regrettably we have not received any response from your authority and accordingly we would be pleased to address any necessary matters within the determination period of the application.
- 4.5 Our best practice engagement with the local community entailed issuing our pre-consultation which included detailed drawings and relevant letter to the nearby schools, Ward Councillors and the London Borough of Haringey Council. Regrettably, no response has been received.

5. PLANNING POLICY

5.1 The relevant planning policy and best practice framework is found principally within:

- National Policy, especially the National Planning Policy Framework (NPPF)
- The local policy framework set out in the adopted Development Plan;
- The Code of Best Practice on Mobile Network Development in England.

5.2 From these documents can be discerned the general policy background that exists for electronic communications development, site specific policies and the key considerations relevant to the siting and design of appropriate electronic communications development. As planning authority, you will be familiar with this framework and so in the interests of brevity, we do not rehearse it back to you in detail, but address instead the principal themes to demonstrate that the application accords with them.

National Support for Modern Communications

5.3 There is significant UK Government support for the delivery of 5G, particularly as this new connectivity will be a step change from earlier generations of mobile connectivity and will be critical to economic growth and sustainable communities. Our accompanying document of national policy '**National Policy - Delivering Ultra Fast Broadband Mobile Connectivity**', sets out how 5G mobile connectivity will underpin the UK Digital Economy and the significant social, economic and sustainability benefits of advanced modern connectivity. It is essential that the planning system looks to support and facilitate new 5G base station installations such as that proposed to meet the Government's Digital Strategy. In addition, modern connectivity, such as 5G, will be essential to help the Government meet its wider sustainability and climate change targets and we explain this in more detail in our accompanying document '**5G – Helping tackle climate change**'.

The Need to Conserve the Historic Environment

5.4 In this case the site falls within the Muswell Hill Conservation Area and as such we provide a Heritage Statement in support.

Heritage Statement

5.5 Our proposed location is within Muswell Hill Conservation Area which has been designated since the 1st March 1974. As such we are aware of this sensitive planning designation and have made every effort to assimilate our proposed development to its surroundings and in accordance with the London Borough of Haringey Conservation Area Appraisal No. 3 for Muswell Hill. We believe that as our proposed development is an upgrade to existing telecommunications apparatus that no visual harm will be felt upon adjacent buildings within Muswell Hill Conservation Area.

5.6 The general presumption in favour of allowing development for modern communications, and the special operational and technical factors that require siting of base stations within the Conservation Area / World Heritage site, is balanced by the need to conserve or enhance their heritage qualities.

5.7 However, paragraphs 3.2 – 3.3 of the Code of Best Practice explain that there is now far greater emphasis that visual impact should not override significant radio planning requirements to achieve mobile coverage to a particular area, particularly with the need to support the massively growing and intensifying demand for mobile communications across the UK. Indeed, in terms of looking to meet operational needs, the Code of Best Practice emphasises that the NPPF now applies a reduced policy test compared to previous guidance. This helps clarify that an operator is only required to satisfy the normal test of acceptability having regard to all material planning circumstances, rather than looking for the 'optimum' solution as required under the former PPG8.

5.8 In balancing these requirements, the starting point for planning new networks or the expansion of existing networks is to use existing electronic communications sites owned by other operators or radio site management companies, such as Cellnex. This policy objective is backed with the statutory obligation placed upon operators to share apparatus, where practicable out under General Condition 3(4) of the Electronic Communications Code (Conditions and Restrictions) Regulations 2003, as amended.

5.9 In this instance, the installation of apparatus at this existing site owned or managed by Cellnex, where there are existing operations aligns with this longstanding policy.

- 5.10 Nonetheless, any potential harm the apparatus would cause to the designated heritage asset must be assessed, as set out in NPPF paragraph 190 and how to avoid or minimise conflict between the heritage asset's conservation and any aspect of the proposal. In this case, all reasonable steps have been taken, through careful siting at an existing Cellnex site, to moderate the visual impact of the development, having regard to technical and operational factors. Accordingly, the proposal looks to conserve the heritage asset.
- 5.11 In so far as there may be any perceived harm, the development proposal will have less than substantial harm to the significance of a designated heritage asset and as such, this harm has to be weighed against the public benefits of the proposal (paragraph 196). In this respect the base station is required as part of a national 5G mobile communications network, necessary to extend and improve mobile connectivity to the local area and has wider public interests. As explained, the target coverage area falls within the designated area and the special operational and technical requirements necessitate siting of new apparatus within it.
- 5.12 As a matter of principle, the development proposed is in accordance with the relevant policy framework and should therefore be acceptable. In the next section, the Design Considerations are reviewed to demonstrate that the detail of the development is also acceptable and that in accordance with the presumption in favour, planning permission should be granted.

Local Policy Considerations

- 5.13 At local level, the proposal has been considered against the London Plan, the London Borough of Haringey Local Plan and the London Borough of Haringey Conservation Area Appraisal No. 3 for Muswell Hill.

Typical to most 5G cell site deployment within the urban environment, this is an extremely constrained search area. It is recognised that the very nature of upgrading existing telecommunications infrastructure within a dense urban setting requires a well-considered balance between the need to extend practical coverage with that of increasing risk of visual intrusion. An upgrade at Muswell Hill ATE is deemed to be the only and most appropriate solution available. As this is an existing installation we have not searched for other locations as yet on the assumption that we will be able to implement this proposed upgraded scheme to give the local population coverage and

capacity to use their telecoms devices. Ultimately consideration was given to utilising the existing telecoms location as per the government guidance.

Please note the following within the London Plan (March 2016):

“Successful service-based economies like London increasingly depend upon infrastructure facilitating rapid transfer of information, speedy and easy access to advice and services and a flexible approach to where work takes place and when. This can also help deliver wider planning objectives, such as reducing congestion on traffic networks at peak hours by supporting forms of home working and facilitating greater economic development in outer London. Increasingly, this will mean looking to the infrastructure needed to support ‘ubiquitous networks’ – those supporting use of a range of devices to access ICT services beyond desk based personal computers, and the Mayor will examine the planning issues these might raise.”

“The Mayor wishes to ensure sufficient ICT connectivity to enable communication and data transfer within London, and between London, the rest of the UK and globally. He will work with infrastructure providers, developers and other stakeholders to support competitive choice and access to communications technology, not just in strategic business locations but more broadly for firms and residents elsewhere in inner and outer London, and to address e-exclusion, especially among disadvantaged groups and small and medium sized enterprises. In particular, he will support the development and extension of high-speed connectivity. Development proposals should ensure competitive connectivity. In ensuring robust e-infrastructure capacity additional data centres (facilities housing computer and associated systems) may be required, together with reliable, sustainable and resilient electricity supplies. Data centres handling critical security and financial traffic benefit from proximity to the offices they serve, while other centres can be located close to local and sustainable sources of energy. These will be appropriate uses in preferred industrial locations and industrial.”

The London Plan (March 2021)

The latest plan continues to focus on telecommunications as per the following: -

Digital connectivity infrastructure

“To ensure London’s global competitiveness now and in the future, development proposals should:

- 1) ensure that sufficient ducting space for full fibre connectivity infrastructure is provided to all end users within new developments, unless an affordable alternative 1GB/s-capable connection is made available to all end users*
- 2) meet expected demand for mobile connectivity generated by the development*
- 3) take appropriate measures to avoid reducing mobile connectivity in surrounding areas; where that is not possible, any potential reduction would require mitigation*
- 4) support the effective use of rooftops and the public realm (such as street furniture and bins) to accommodate well-designed and suitably located mobile digital infrastructure.”*

Development Plans should support the delivery of full-fibre or equivalent digital infrastructure, with particular focus on areas with gaps in connectivity.”

“9.6.1 The provision of digital infrastructure is as important for the proper functioning of development as energy, water and waste management services and should be treated with the same importance. London should be a world-leading tech hub with world-class digital connectivity that can anticipate growing capacity needs and serve hard to reach areas. Fast, reliable digital connectivity is essential in today’s economy and especially for digital technology and creative companies. It supports every aspect of how people work and take part in modern society, helps smart innovation and facilitates regeneration.”

“9.6.8 The Mayor will work with network operators, developers, councils and Government to develop guidance and share good practice to increase awareness and capability amongst boroughs and developers of the effective provision of digital connectivity and to support the delivery of policy requirements. The Mayor will also help to identify spatial gaps in connectivity and overcome barriers to delivery to address this form of digital exclusion, in particular through his Connected London work. Boroughs should encourage the delivery of high-quality / world-class digital infrastructure as part of their Development Plans.”

In addition to the above, Local Planning Authorities have been encouraged to support the expansion of telecommunications and received written communication from the Department for Digital, Culture, Media and Sport 27 August last year. The letter urged councils to provide details of their plans to speed up digital infrastructure rollout.

- 5.14 The proposed development is therefore considered to strike the best balance between meeting the specific network requirements for the operator(s) and minimising environmental impact.

6. DESIGN CONSIDERATIONS

- 6.1 The development proposed is exempt from the requirement to provide a design and access statement under Article 9 of The Town and Country Planning (Development Management Procedure) (England) Order 2015, as amended. However, to assist your consideration of the detail, this section provides a description of the process adopted in the design of the proposals and explains the access considerations. Due regard has been given to the factors listed in Appendix A of the Code of Best Practice.

Physical Context

- 6.2 The area is predominantly residential and has therefore been designed with this in mind to ensure the design of our proposed upgrade is sympathetic and will assimilate well with its surroundings. The location currently hosts existing telecommunication installations and thus there is a power supply, security and available access to and from the site. The presence of existing telecommunications infrastructure on site will aid in assimilating the proposed upgrade with its immediate surroundings and we believe no visual intrusion will be felt at this location.

Amount, Design, Layout and Scale of the Development

- 6.3 The scale, layout and design of the development has been guided by the special 5G technical and operational factors affecting the need to provide coverage to the local area, having regard to the need to minimise visual impact. With regard to the main component elements of the development proposed:

- **Kept in proportion to the building or structure**

The scale of the apparatus is not large and when installed should look proportionate to the structure as a whole. The antennas are similar to the existing electronic communications apparatus installed on the building although higher and closer to the edge of the rooftop to meet the especial technical and operational requirements of 5G. They will therefore be seen in the context of this apparatus and will not appear as incongruous or jarring additions to the building or look out of place within the heritage area.

A combination of design, natural and manmade features should help keep any perceived changes to views and the skyline to within acceptable limits. Indeed, within the context of this urban location the attention of the casual observer is likely to remain be focussed more upon the streetscape.

- **Avoid creating clutter**

The apparatus should not look unduly cluttered and insofar as it might be visible it will be viewed as operational electronic communications equipment compatible and now expected on a building designed and constructed exclusively for electronic communications purposes.

- **Use clean lines and maintain symmetry**

The apparatus has clean lines and has been sited to maintain symmetry with both the building and its different elements.

Antenna Array

- The numbers of antennas and dishes and their size has been kept to the minimum necessary to provide 5G coverage and to link this site back into the operator's network. The design of these features is very much driven by operational and technical factors.

Equipment Cabinets

- The number of radio equipment cabinets and their size has been limited to what is required to meet the operator's current and foreseeable network requirements. The location and design of the equipment cabinets, and the electronic communications equipment housed within them, reflects their functionality and the technical and operational requirement to be in reasonable proximity to the antenna systems and dishes that they support. This avoids exceptionally large runs of feeder cables and associated supporting trays, and the subsequent loss of signals.

Access Considerations

- 6.4 Access to the site will be provided from the current access route through the building.
- 6.5 Once constructed, the development will be unmanned requiring only periodic visits, typically once every two to three months for routine maintenance and servicing.
- 6.6 In accordance with all relevant health and safety legislation and guidelines, access to the site will be restricted to authorised personnel and the routine maintenance and servicing of the apparatus will only be carried out by properly trained and qualified staff. Electronic communications base stations are specifically designed to prevent unauthorised access by members of the public and, therefore, there is no requirement to incorporate inclusive access arrangements into the proposed layout and design of the development.

Landscaping

- 6.7 The proposed siting of the development has been very carefully chosen to minimise environmental impact. Any potential impact of the development is principally associated with radio mast, which is the most visible component of the base station, and which cannot be fully screened for operational reasons. The height of the apparatus on an existing rooftop means that any attempt to screen it in its entirety would be unrealistic in any event.
- 6.8 The proposed upgrade is upon a rooftop that hosts an existing telecommunications installation we do not believe that our proposed development will detract from the visual amenity of the area and will assimilate with current equipment present on the rooftop.

Appearance

- 6.9 The sensitive approach to siting and design should minimise the appearance of the development proposed. In addition, as indicated above as this upgrade is upon a rooftop that hosts an existing telecommunications installation we do not believe that our proposed development will detract from the visual amenity of the area. Insofar as the apparatus may be visible they should look straight forward in appearance and reflect its function. To that extent they should in time become accepted features of the

local environment as with other forms of communications networks and essentially public utility infrastructure, such as roads and railways.

7. HEALTH AND SAFETY

- 7.1 In support of the application, we include a separate document called '**5G Health and Safety**' which sets out in more detail the associated health and safety considerations. Every installation on a site owned or managed by Cellnex will be compliant with international standards adopted by the UK Government. A certificate confirming compliance with the relevant ICNIRP guidelines on public exposure has been supplied with this application.
- 7.2 The ICNIRP guidelines seek to protect against the well-known thermal effects of radio emissions and include a significant precautionary factor. These guidelines apply to all forms of electronic communications and mobile technology is one of the lowest powered of these.
- 7.3 National planning policy remains clear, provided an application is certified as ICNIRP compliant, local planning authorities should not seek to effectively set different guidelines through the refusal of planning permission.

8. SUMMARY AND CONCLUSIONS

- 8.1 In summary, the application is in respect of a 5G electronic communications base station necessary to improve a vital network that provides public services.
- 8.2 The service provided by the operator is in the public interest and is in very high demand, with 5G being the next and highly significant advancement in mobile connectivity. In the UK mobile services now exceed fixed landlines in terms of customer numbers and usage.
- 8.3 The public interest of the system is clear from the considerable benefits that will flow and it makes a significant and major contribution towards sustainable objectives.
- 8.4 The operator's requirement is in the context of network needs associated with a 5G cellular system. These impose particular locational and siting requirements which are even greater with 5G. The technical justification clearly demonstrates the need for this apparatus proposed within the context of the operator's surrounding network.
- 8.5 The operator(s) has followed national and local planning policy and best practice guidance in the siting and design of its apparatus in recognition of the need to minimise visual impact. This has included:
- Network planning based upon existing sites, including those controlled by Radio Site Management companies like Cellnex.
 - Siting at an existing electronic communications site to minimise new sites and help avoid the unnecessary proliferation of new radio masts and sites for them..
 - Engagement in accordance with the Code of Best Practice procedures.
 - An examination of design options to try and minimise potential visual impact.
- 8.6 The proposed antennas will comply with all relevant health and safety requirements and will be compliant with the ICNIRP guidelines. There are no exceptional circumstances in this case and therefore no need to consider health effects and related concerns such as the perception of risk further.
- 8.7 This statement and the other accompanying material has demonstrated that the proposal is in accordance with local Development Plan policy and national policy set out in particular within the NPPF. In particular it is a form of development that is

specifically encouraged as a matter of principle and in its detail complies with the policy objective of minimising potential environmental impact.

- 8.8 In conclusion, the application is for sustainable development, acceptable as a matter of principle and appropriate in its detail and so one which the presumption in favour of granting approval applies.