

Supplementary Information Form

1. Site Details	
Site Name	Charville Lane Estate
Site Address	Land at Charville Lane, Hillingdon, Greater London, UB4 8PF
NGR	TQ 08603 82990
Site Number Ref	HGN19678
Site Type¹	Macro

2. Pre-Application Check List				
Site selection				
Was a local planning authority mast register available to check for suitable sites by the operator or the local planning authority?	Yes	No		
If no, please explain why: No register available				
Was the industry site database checked for suitable sites by the operator?	Yes	No		
If no, please explain why:				
Annual Area Wide Information to local planning authority				
Date of information submission to local planning authority	Not requested by the LPA			
Name of contact	NA			
Summary of issues raised:				
Rollout plans can be provided upon request				
Pre-application consultation with local planning authority				
Date of written offer of pre-application consultation	27 th October 2021			
Was there pre-application contact?	Yes	No		

¹ Macro or Micro

Date of pre-application contact	NA		
Name of contact	NA		
Summary of outcome / main issues raised: No response has been received to date.			
Ten Commitments Consultation			
Rating of Site under Traffic Light Model	Red	Amber	Green
Outline Consultation carried out: Local councillors for the ward were contacted via email on the 27 th October 2021 and invited to comment on the proposals. No response was received at time of submission.			
Summary of outcome / main issues raised: No response was received at time of submission.			
School / College			
Location of site in relation to school / college (include name of school / college): No schools in proximity of the site, no consultation required.			
Outline of consultation carried out with school / college (include evidence of consultation): NA			

<i>Civil Aviation Authority / Secretary of State for the Defence / Aerodrome Operator consultation (only required for an application for prior approval)</i>		
Will the structure be within 3km of an aerodrome or airfield?	Yes	No
Has the Civil Aviation Authority/Secretary of State for Defence/Aerodrome Operator been notified	Yes	No
Details of response: NA		
<i>Developers Notice (only required for an application for prior approval)</i>		
Copy of Developers Notice enclosed	Yes	No
Date served	12/11/21	

3. Proposed Development

The proposed development in this location is part of Hutchison 3G (UK) Ltd ('H3G')'s management and network deployment of telecommunications sites. The expectations are that future telecoms technology will support government policy regarding digital inclusion; improvements in health and social care; assisting in local economic growth; advancing the development of Smart Cities; and supporting innovative uses throughout the transport sector for both personal and public travel.

The Site:

The proposed development will be located on land off Charville lane, Hillingdon (TQ 08603 82990) hereafter referred to as, 'the Site'. Figure 1 shows the approximate location of the Site.

The Site is bound by:

- Charville lane is to the north, with a residential area beyond
- To the east is a small patch of woodland with agricultural fields beyond.
- The woods and agricultural fields extend to the south of the site.
- Charville Lane is to the west.



Figure 1. Approximate site location, outline in red. Image Google Maps.

The Site has been chosen as the most viable option to provide reliable coverage for both operators. The proposed development will ensure continued mobile network coverage in the area, also providing improved quality, faster and more reliable connectivity for local residents and businesses.

The Site is not located within any conservation areas, or in close proximity to any listed buildings, ancient monuments or other heritage assets. In addition, the proposed works are not located in close proximity to any designated sites such as SSSIs, SPAs, SACs, or national nature reserves. The site is within the London Area Green Belt; however, as this application is for prior approval, section 38(6) of the Planning and Compulsory Purchase Act 2004 does not apply and consequently regard of the development plan is not required. As such, the Site is not considered to be a sensitive area, and is suitable for the proposed development.

The proposed works will not require the significant removal of vegetation and will utilise existing access routes.

Alternative sites were considered, and details are provided below. However, the chosen site was considered to be the most appropriate as the Site is not a sensitive environment and is not likely to be significantly adversely impacted by the proposed works.

Enclose map showing the cell centre and existing sites within the cell and adjoining cells:

This can be emailed to LPA on request

Type of Structure (e.g. tower, mast, etc): Mast and equipment cabinets

Description:

The installation of an 18 metre high, monopole tower, associated radio-equipment cabinets including one that will wrap around the base of the mast, and ancillary development hitherto.

Overall Height: 18m

Height of existing building (where applicable)	NA metres		
Equipment Housing:	1	2	3
Length	600	650	1900
Width	500	700	600
Height	1585	950	1752

Materials (as applicable)

Tower / mast etc. – type of material and external colour	Light grey (RAL 7035)
Equipment housing – type of material and external colour	Green (RAL 6009)

Reasons for choice of Design

The proposed mast and associated apparatus will provide improved capacity of 4G and 5G services in the area. This will ensure that the area has increased mobile upload and download speeds, and a more reliable mobile network connection. The required improvements can only be provided by the installation of a new mast, and existing sites were not suitable to support the required apparatus.

The proposed design is of the necessary technical and design specifications to meet the requirements for mobile network connectivity and coverage. The design is in compliance with the International Commission on Non-Ionizing Radiation Protection (ICNIRP) as evidenced by the attached ICNIRP certificate.

The additional electronic communications apparatus located within the cabinets are necessary for operation.

Access to the Site will be required only for installation and infrequent maintenance or in the event of emergency repairs. Service personnel would continue to access the site via existing highways and there would be no need for additional carpark spaces.

4. Technical Information

International Commission on Non-Ionizing Radiation Protection Declaration attached (see below)* International Commission on Non-Ionizing Radiation Protection 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 or near to the site are taken into account. In order to minimise interference within its own network and with other radio networks, Hutchison 3G Limited 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 Hutchison 3G Limited's network, the radio base station that is the subject of this application will be configured to operate in this way. All operators of radio transmitters are under a legal obligation to operate those transmitters in accordance with the conditions of their licence. Operation of the transmitter in accordance with the conditions of the licence fulfils the legal obligations in respect of interference to other radio systems, other electrical equipment, instrumentation or air traffic systems. The conditions of the licence are mandated by Ofcom, an agency of national government, who are responsible for the regulation of the civilian radio spectrum. The remit of Ofcom also includes investigation and remedy of any reported significant interference. The telecommunications infrastructure the subject of this application accords with all relevant legislation and as such will not cause significant and irremediable interference with other electrical equipment, air traffic services or instrumentation operated in the national interest.	Yes	No
Frequency	GSM 1865.5-1846.5 MHz	
Modulation characteristics²	GMSK & QPSK	
Power output (expressed in EIRP in dBW per carrier)	56 dBm	

² The modulation method employed in GSM is GMSK (Gaussian Minimum Shift Keying) which is a form of Phase Modulation.

The modulation method employed in UMTS is QPSK (Quad Phase Shift Keying) which is another form of Phase Modulation.

In order to minimise interference within its own network and with other radio networks, Hutchison 3G Limited's Network operates its network in such a way that radio frequency power outputs are kept to the lowest levels commensurate with effective service provision.

As part of Hutchison 3G Limited's network, the radio base station that is the subject of this application will be configured to operate in this way.

Height of antenna (m above ground level)

Centrelines 17.41m and
15.75m



5. Technical Justification

The proposed development is required to allow increased connectivity and reliability of mobile networks for H3G.

Government and planning policy sets out the importance of telecommunications technology for sustainable economic development, including supporting economic growth, the transport, health and IT sectors and the development of smart cities. As stated previously, this is set out in planning policy including the NPPF, and is also reflected in a number of local development plans.

In March 2017, the Department of Culture, Media and Sport (DCMS) released an updated UK Digital Strategy (UK Digital Strategy). The strategy details the goals to ensure that the UK has a *“world-leading digital economy that works for everyone”*. The UK Digital Strategy includes details of the public benefits of access to high quality communication services. As the UK is considered to be behind other nations in the provision of fast, consistent and reliable mobile connectivity, the DCMS, in conjunction with the new Electronic Communications Code (2018), intends to make it easier for operators to upgrade and share their equipment with other operators in order to help increase coverage to ensure the future growth of the UK.

The proposed upgrades are required to provide additional coverage and capacity for the area, by providing the latest antenna technology. The proposed development will provide access to these services and ensure a reliable connection into the future.

The Site is not considered to be a sensitive area, as it is not located within or in close proximity to any sites designated for nature conservation, listed buildings, scheduled monuments or any other heritage assets. As such the site is considered to be suitable for the proposed development. In addition, the Site is also not located in close proximity to any airports or airfields, or educational institutions.

The proposed development is in accordance with policies set out in the National Planning Policy Framework (NPPF). Paragraphs 114 and 115 of the NPPF set out the importance of the provision of reliable, advanced communications apparatus for economic and sustainable development. In line with these policies, the proposed development will ensure improved communications apparatus and connectivity for the local area.

The London Plan 2021 is the Spatial Development Strategy for Greater London. It sets out a framework for how London will develop over the next 20-25 years and is part of the statutory development plan for London. Borough's Local Plans must be in general conformity with the Plan. Policy SI 6 Digital Connectivity Infrastructure highlights how important telecommunications apparatus is in ensuring London's global competitiveness and future development prospects. It states that Development Plans should support the delivery of digital infrastructure with particular focus on areas with gaps in connectivity and barriers to digital access. It even goes on to mention that provision of digital infrastructure is as important for the proper functioning of development as energy, water, and waste management and should be treated with the same importance. As the proposed would directly enhance the aims and goals of the London Plan by providing digital infrastructure and ensuring connectivity, it can be seen to accord with the Plan.

The adopted Local Plan for the Borough consists of the Hillingdon Local Plan (adopted November 2012). The proposed development is considered to be in line with policies set out within the Local Plan. Policy NPPF1 Presumption in Favour of Sustainable Development

highlights the importance of demonstrating that proposals contribute to sustainable development. As set out in the NPPF high-quality, reliable communications development is important for sustainable economic development, as such, the proposals are considered to be in accordance with policy NPPF1.

Policy DMHB 21, states that development must have minimal impacts on the visual amenity of the local area, be ICNIRP compliant, and have no adverse impacts to sites of ecological or archaeological importance. As the development has been designed to the relevant standards and has an ICNIRP certificate, it can be seen to accord with Policy DMHB 21.

Policy EM2 Green Belt, Metropolitan Open Land and Green chains states that proposed developments will be assessed against national and London Plan policies. The proposed development directly accords with the London Plan, and can be argued to have minimal impact to the Green Belt due to the size and siting of the mast. Therefore, it accords with Policy EM2.



Alternative sites considered and not chosen (not generally required for **upgrades/alterations to existing sites including** redevelopment of an existing site to facilitate an upgrade or sharing with another operator):

1. Charville Lane Island UB4 8PG, E: 508 524, N:182 986. Discounted as the visual impact upon the nearby residential dwellings and, mast will appear overly prominent in the streetscene. There are also no services in central reservation.
2. Harrow View UB10 0QF – E: 508 072, N: 182 640. Discounted due to insufficient space in which to install the equipment due to existing services in verge.
3. Turner Close Junction UB4 8PH – E: 508 178, N: 182 949. Discounted due to proximity of adjacent other licenced operator; therefore, potential for interfering services. Also site is in proximity to gas services as indicated by the gas marker in front of the residential dwelling.
4. Turner Road South – E: 508175, N: 182931. Discounted due to verge width not being wide enough, grass area from back edge of kerb to residential fence line not highways.
5. Charville Lane West – E 507851, N: 182900. Within close proximity to electrical substation.

Additional relevant information

The expectations are that future telecoms technology will support government policy regarding digital inclusion; improvements in health and social care; assisting in local economic growth; advancing the development of Smart Cities and supporting innovative uses throughout the transport sector for both personal and public travel.

Alternative sites to locate this equipment have been investigated as part of the engineering feasibility exercise to ensure continued coverage for the area due to the requirement to remove the existing mast serving the area.

Contact Details

Name (Agent)	Rory Hollings	Telephone	NA
Operators	H3G	Fax No	NA
Address	Dalcour Maclaren 4 Bredon Court Brockridge Park Brockridge Road Twynning GL20 6FF	Email address	NA
Signed	<i>Rory Hollings</i>	Date	12/11/21
Position	Senior Environmental Planner	Company	Dalcour Maclaren
For and on behalf of Hutchison 3G Limited			