

Our ref: 30601500

17<sup>th</sup> May 2022

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Clarke Telecom Ltd  
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**BY EMAIL**

Dear Mr M.E. Haworth,

**PROPOSED BASE STATION INSTALLATION AT CTIL: 30601500, DONKEY SANCTUARY, GREEN FOLD, ABBEY HEY, MANCHESTER, M18 8XL, N.G.R E: 389762 N: 396547**

Cornerstone is the UK's leading mobile infrastructure services company. We acquire, manage and own over 20,000 sites and are committed to enabling best in class mobile connectivity for over half of all the country's mobile customers. We oversee works on behalf of telecommunications providers and wherever possible aim to:

- promote shared infrastructure
- maximise opportunities to consolidate the number of base stations
- significantly reduce the environmental impact of network development

Cornerstone is in the process of progressing suitable sites in the Green Fold area for radio base stations to maintain and improve existing levels of service provision. The purpose of this letter is to provide you with information on the proposal and the opportunity for you to seek further information should you wish to do so.

5G rollout has begun and Cornerstone is in the process of upgrading its existing radio base stations in their single grid network wherever possible. As part of Cornerstone's continued network improvement program, there is a specific technical requirement to provide new 5G coverage in this area of Green Fold.

The proposal, which we feel is the best solution to serve our customers in the local community, will include: the installation of a 20-metre-high Monopole Column supporting 6no Antennas; 1no GPS Modules; 2no 300mm Transmission Dishes; Combiners/ERS Units; together with 2no Cabinets; 4no Racks and 1no Electrical Meter Cabinet located at ground level with ancillary development at **GREEN FOLD, ABBEY HEY, MANCHESTER, M18 8XL, N.G.R E: 389762 N: 396547**.

**In the first instance, all correspondence should be directed to the agent.**

Cornerstone Planning Consultation Letter to Schools V.2 – 15/04/2021

Registered Address:  
Cornerstone Telecommunications, Infrastructure Limited,  
Hive 2, 1530 Arlington Business Park, Theale, Berkshire, RG7 4SA.  
Registered in England & Wales No. 08087551.  
VAT No. GB142 8555 06

 Cornerstone, Hive 2,  
1530 Arlington Business Park,  
Theale, Berkshire, RG7 4SA

This is because Cornerstone is limited in siting options as there is a requirement to provide equivalent replacement coverage and capacity for this area of Green Fold. The replacement of an existing site means that it has to be located as close as possible to the existing installation in order to maintain the provision of equivalent coverage and capacity to the surrounding local area. This is the nearest suitable location that Cornerstone is able to position their replacement apparatus.

The proposed height at 20m is essential in order to provide equivalent replacement coverage to the target coverage area. 5G new radio technologies operate in higher frequency bands than older technologies. Since it operates at higher frequencies where attenuation of the radio signal is naturally higher, and the effects of clutter are greater it will normally require a higher structure to achieve the same coverage footprint.

In order to minimise the width of the proposed column, the antennas are split into a dual stack formation where 3 antennas will be located at the top of the column and the other 3 antennas will be located underneath. Thus, if the column were to be any lower, the antennas would not be able to operate effectively nor reach the target coverage area.

The column is a simple, functional, vertical structure necessary to provide replacement and new service provision to Green Fold and the surrounding area. There are other vertical structures in the street scene which will help it assimilate in to the local environ. The column is proposed to be finished in a grey colour but can be coloured any other colour that the LPA consider appropriate.

The cabinets are designed to appear like other statutory undertakers' equipment cabinets. They are small for telecommunications apparatus and are proposed to be coloured green to assimilate with other equipment cabinets commonly found in urban environments. The cabinets can be installed under the operators permitted development rights but have been included on the plans and in the description in order to remain fully transparent.

The RRUs are designed to make the antennas more efficient and reduce the need for equipment cabinets at ground level, therefore minimising ground level clutter in this area. They are located underneath the lowest set of antennas, out of the natural eye line of the casual passer-by and therefore will not appear prominent in the street scene.

All Cornerstone 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 fact, because of the very low power utilised by telecommunications sites the emissions will be many times lower than the ICNIRP threshold.

We would welcome your views (within 14 days of the date of this letter) before we finalise the proposal and submit the planning application to the Local Planning Authority.

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Should you have any queries regarding this matter, please do not hesitate to contact me  
(quoting cell number [30601500])

Yours sincerely



**Simon Batchelor**  
**Consultant Surveyor**  
**Clarke Telecom Ltd**  
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**Tel: 07841 684860**

(For and on behalf of Cornerstone)

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