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Our ref: SAA26577

Shrewsbury Parish Councillors
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03 February 2023

Dear Parish Councillors,

PRECONSULTATION – PROPOSED RADIO BASE STATION INSTALLATION AT SAA26577_SUTTON FARM BUTCHERS, TILSTOCK CRESCENT, SUTTON FARM, SHROPSHIRE, SHREWSBURY, SY2 6HW (E350582 N310773)

Clarke Telecom Ltd act on behalf of the mobile telecommunications operator CK Hutchison Networks (UK) Ltd. The proposal is to install a radio base station, in order to provide the latest 3G, 4G and new 5G technologies to the Bayston Hill area.

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, CK Hutchison Networks (UK) Ltd are committed to consultation with communities on our mobile telecommunications proposals and as such would encourage you to respond.

As part of CK Hutchison Networks (UK) Ltd continued network improvement program, there is a specific requirement for an installation along Tilstock Crescent to ensure that the latest high quality 3G and 4G service provision is provided in this area of Shropshire. The proposed column will also ensure that new 5G coverage can also be provided at this location. This ensures that coverage and capacity requirements are maintained.

Mobile telecoms networks are now ubiquitous throughout the UK. It is an expectation that an individual can connect and use their mobile phone whenever and wherever they are. With the advent of new technology, under the banner of 5G, further advances are proposed and Central Government has seen the telecoms industry, and in particular 5G, to be at the forefront of economic development.

This site will enable 5G coverage to be provided to this area of Bayston Hill. The Government recognises that widespread coverage of mobile connectivity is essential for people and businesses. That is why the Government is committed to extending mobile geographical coverage further across the UK, with continuous mobile connectivity provided to all major roads and to being a world leader in 5G. This will allow everyone in the country to benefit from the economic advantages of widespread mobile coverage.

As well as improved mobile signal, 5G networks are also crucial to drive productivity and growth across the sectors that local areas are focusing on through their emerging Local Industrial Strategies. Enabling and planning for 5G implementation is central to achieving the Government's objective to deliver prosperity at the local level and enable all places to share in the proceeds of growth.

5G service provision will bring faster, more responsive and reliable connections than ever before. More than any previous generation of mobile networks, it has the potential to improve the way people live, work and travel, and to deliver significant benefits to the economy and industry through the ability to connect more devices to the Internet at the same time, the 'Internet of Things'. This will enable communities to manage traffic flow and control energy usage, monitor patient health remotely, and increase productivity for business and farmers, all through the real-time management of data.



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The demand for mobile data in the UK is increasing rapidly, and as households and businesses become increasingly reliant on mobile connectivity, the infrastructure must be in place to ensure supply does not become a constraint on future demand.

The radio base station will also meet the extra demands on the network in this area as more people use internet enabled handheld devices. It is a densification project for the operator’s network to fill holes in service provision including coverage and capacity. This will enable the operator’s customers to be able to use their handheld devices without calls being dropped or buffering occurring where there is a gap in the operator’s network coverage and capacity ability. A site in this location will fill the gap in service provision and provide high quality, reliable, advanced 3G, 4G and 5G to this urban area of Bayston Hill.

The preferred CK Hutchison Networks (UK) Ltd option is as follows:

SAA26577_SUTTON FARM BUTCHERS, TILSTOCK CRESCENT, SUTTON FARM, SHROPSHIRE, SHREWSBURY, SY2 6HW (E350582 N310773)

The proposal relates to the installation of up to a 20m high slim-line monopole, supporting 6 no. antennas, 2 no. equipment cabinets, 1 no. electric meter cabinet, and ancillary development thereto.

The proposed height of up to 20m is essential in order to ensure the latest 4G and new 5G technologies are provided in the Bayston Hill area. These latest technologies operate at higher frequency bands than older technologies such as 2G and 3G. The higher the frequency band the greater the radio signal is naturally weakened. This means that the effects of clutter are even more significant than for the provision of older technologies. As a result, a higher column is normally required to maintain the same coverage footprint. The latest 4G technology and new 5G service provision carry higher capacity and data speeds to the user, this leads to such antennas having to be positioned at a higher height than more standard antennae and in turn a taller antenna height for 5G service provision.

The antennas are proposed to be open and not shielded as this provides the optimal service provision to the surrounding area. If the antennas were to be shrouded, they would not be as efficient at providing the latest technologies to this cell area. Thus an additional installation would likely to be required in this cell area which would lead to the proliferation of masts contrary to the NPPF.

The cabinets are designed to appear like other statutory undertakers equipment cabinets. They are small for telecommunications apparatus and are proposed to be coloured grey to assimilate with other commonly found equipment cabinets. 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.

We have considered alternative site options and discounted as follows:

| Site Type | NGR | Address and Site Name | Reason for discounted Option |
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| Streetworks | 350580 , 310996 | Sutton Road, Sutton Farm, Shrewsbury, Shropshire, England, SY2 6ED, United Kingdom | This location is immediately surrounded by residential properties and has been discounted as the chosen application site is further away from the residential properties and will therefore have a lesser impact on residential amenity. |
| Streetworks | 350584 , 311008 | Sutton Road, Sutton Farm, Shrewsbury, Shropshire, England, SY2 6ED, United Kingdom | The footway at this location is too narrow to accommodate the operator's equipment. As such, this option has been discounted |
| Streetworks | 350575 , 310938 | Sunnybank Road, Sutton Farm, Shrewsbury, Shropshire, England, SY2 6RG, United Kingdom | The footway at this location is too narrow to accommodate the operator's equipment. As such, this option has been discounted |
| Streetworks | 350537 , 310892 | Sutton Carpets, Sutton Road, Sutton Farm, Shrewsbury, Shropshire, England, SY2 6FE, United Kingdom | The footway at this location is too narrow to accommodate the operator's equipment. As such, this option has been discounted |
| Streetworks | 350540 , 310811 | Sutton Carpets, Sutton Road, Sutton Farm, Shrewsbury, Shropshire, England, SY2 6FE, United Kingdom | The footway at this location is too narrow to accommodate the operator's equipment. As such, this option has been discounted |
| Streetworks | 350521 , 310755 | Co-op Food, Tilstock Crescent, Sutton Farm, Shrewsbury, Shropshire, England, SY2 6HH, United Kingdom | Equipment here would impede on the entrance into the co-operative to the rear |
| Streetworks | 350582 , 310755 | Hexham Way, Sutton Farm, Shrewsbury, Shropshire, England, SY2 | The footway at this location is too narrow to accommodate the operator's equipment. As such, this option has been discounted |

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| | | 6QX, United Kingdom | |
| Streetworks | 350431 , 310581 | Rowton Road, Sutton Farm, Shrewsbury, Shropshire, England, SY2 6EX, United Kingdom | This location is immediately surrounded by residential properties and has been discounted as the chosen application site is further away from the residential properties and will therefore have a lesser impact on residential amenity. |
| Streetworks | 350406 , 310503 | Sutton Farm, Shrewsbury, Shropshire, England, SY2 6QS, United Kingdom | Proximity form the Nominal Point, over 700m, wouldn't be able to provide the required levels of coverage to the target area |
| Streetworks | 350314 , 310369 | Oteley Road, Sutton Farm, Shrewsbury, Shropshire, England, SY2 6QS, United Kingdom | Proximity form the Nominal Point, over 700m, wouldn't be able to provide the required levels of coverage to the target area |
| Streetworks | 350263 , 310349 | Oteley Road, Reabrook Estate, Shrewsbury, Shropshire, England, SY2 6QP, United Kingdom | Proximity form the Nominal Point, over 700m, wouldn't be able to provide the required levels of coverage to the target area |
| Streetworks | 350196 , 310345 | Oteley Road, Reabrook Estate, Shrewsbury, Shropshire, England, SY2 6QP, United Kingdom | Proximity form the Nominal Point, over 700m, wouldn't be able to provide the required levels of coverage to the target area |

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| Streetworks | 350056 , 310356 | Millmead Drive, Sutton Farm, Shrewsbury, Shropshire, England, SY2 6DU, United Kingdom | This location is immediately surrounded by residential properties and has been discounted as the chosen application site is further away from the residential properties and will therefore have a lesser impact on residential amenity. |
| Streetworks | 350642 , 311134 | Sutton Road, Sutton Farm, Shrewsbury, Shropshire, England, SY2 6DT, United Kingdom | This location is immediately surrounded by residential properties and has been discounted as the chosen application site is further away from the residential properties and will therefore have a lesser impact on residential amenity. |
| Streetworks | 350678 , 311298 | Marden Medical Practice, 25, Sutton Road, Sutton Farm, Shrewsbury, Shropshire, England, SY2 6DL, United Kingdom | This location is immediately surrounded by residential properties and has been discounted as the chosen application site is further away from the residential properties and will therefore have a lesser impact on residential amenity. |
| Streetworks | 350677 , 311395 | Marden Medical Practice, 25, Sutton Road, Sutton Farm, Shrewsbury, Shropshire, England, SY2 6DL, United Kingdom | This location is immediately surrounded by residential properties and has been discounted as the chosen application site is further away from the residential properties and will therefore have a lesser impact on residential amenity. |
| Streetworks | 350697 , 311455 | Stonehurst Drive, Springfield, Shrewsbury, Shropshire, England, SY2 6DD, United Kingdom | This location is immediately surrounded by residential properties and has been discounted as the chosen application site is further away from the residential properties and will therefore have a lesser impact on residential amenity. |

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| Streetworks | 350699 , 311571 | St Giles' Church Hall, Springfield Way, Springfield, Shrewsbury, Shropshire, England, SY2 6LN, United Kingdom | This location is immediately surrounded by residential properties and has been discounted as the chosen application site is further away from the residential properties and will therefore have a lesser impact on residential amenity. |
| Streetworks | 350771 , 311107 | Sutton Way, Springfield, Shrewsbury, Shropshire, England, SY2 6EG, United Kingdom | This location is immediately surrounded by residential properties and has been discounted as the chosen application site is further away from the residential properties and will therefore have a lesser impact on residential amenity. |
| Streetworks | 350652 , 311036 | Sutton Way, Springfield, Shrewsbury, Shropshire, England, SY2 6EG, United Kingdom | This location is immediately surrounded by residential properties and has been discounted as the chosen application site is further away from the residential properties and will therefore have a lesser impact on residential amenity. |
| Streetworks | 350791 , 311152 | Sutton Way, Springfield, Shrewsbury, Shropshire, England, SY2 6EG, United Kingdom | This location is immediately surrounded by residential properties and has been discounted as the chosen application site is further away from the residential properties and will therefore have a lesser impact on residential amenity. |
| Streetworks | 350886 , 311214 | Sutton Way, Springfield, Shrewsbury, Shropshire, England, SY2 6JX, United Kingdom | This location is immediately surrounded by residential properties and has been discounted as the chosen application site is further away from the residential properties and will therefore have a lesser impact on residential amenity. |
| Streetworks | 350940 , 311271 | Wenlock Road, Springfield, Shrewsbury, Shropshire, England, SY2 6JX, United Kingdom | This location is immediately surrounded by residential properties and has been discounted as the chosen application site is further away from the residential properties and will therefore have a lesser impact on residential amenity. |

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| Streetworks | 350963 , 311287 | Summerfield Place, Wenlock Road, Springfield, Shrewsbury, Shropshire, England, SY2 6JT, United Kingdom | This location is immediately surrounded by residential properties and has been discounted as the chosen application site is further away from the residential properties and will therefore have a lesser impact on residential amenity. |
| Streetworks | 350897 , 311395 | Armoury Gardens, Springfield, Shrewsbury, Shropshire, England, SY2 6PL, United Kingdom | This location is immediately surrounded by residential properties and has been discounted as the chosen application site is further away from the residential properties and will therefore have a lesser impact on residential amenity. |
| Streetworks | 350872 , 311472 | The Peacock, Wenlock Road, Springfield, Shrewsbury, Shropshire, England, SY2 6JS, United Kingdom | The footway at this location is too narrow to accommodate the operator's equipment. As such, this option has been discounted |
| Streetworks | 350582 , 310773 | Millmead Drive, Sutton Farm, Shrewsbury, Shropshire, England, SY2 6DU, United Kingdom | This location is immediately surrounded by residential properties and has been discounted as the chosen application site is further away from the residential properties and will therefore have a lesser impact on residential amenity. |
| Streetworks | 350564 , 311147 | Topham Drive, Sutton Farm, Shrewsbury, Shropshire, England, SY2 6EB, United Kingdom | This location is immediately surrounded by residential properties and has been discounted as the chosen application site is further away from the residential properties and will therefore have a lesser impact on residential amenity. |
| Streetworks | 350579 , 311250 | Tudor Road, Sutton Farm, Shrewsbury, Shropshire, England, SY2 6TD, United Kingdom | This location is immediately surrounded by residential properties and has been discounted as the chosen application site is further away from the residential properties and will therefore have a lesser impact on residential amenity. |

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| Streetworks | 350460 , 311217 | Whitton Close, Sutton Farm, Shrewsbury, Shropshire, England, SY2 6HR, United Kingdom | This location is immediately surrounded by residential properties and has been discounted as the chosen application site is further away from the residential properties and will therefore have a lesser impact on residential amenity. |
| Streetworks | 350695 , 310696 | SY2 759, Tilstock Crescent, Sutton Farm, Shrewsbury, Shropshire, England, SY2 6HH, United Kingdom | This location is immediately surrounded by residential properties and has been discounted as the chosen application site is further away from the residential properties and will therefore have a lesser impact on residential amenity. |
| Streetworks | 350825 , 310573 | Tilstock Crescent, Sutton Farm, Shrewsbury, Shropshire, England, SY2 6HH, United Kingdom | This location is immediately surrounded by residential properties and has been discounted as the chosen application site is further away from the residential properties and will therefore have a lesser impact on residential amenity. |
| Streetworks | 350062 , 311222 | Sutton Way, Springfield, Shrewsbury, Shropshire, England, SY2 6EG, United Kingdom | This location is immediately surrounded by residential properties and has been discounted as the chosen application site is further away from the residential properties and will therefore have a lesser impact on residential amenity. |
| Streetworks | 350614 , 311042 | White Hart, Reabrook Estate, Shrewsbury, Shropshire, England, SY3 7TE, United Kingdom | This location is immediately surrounded by residential properties and has been discounted as the chosen application site is further away from the residential properties and will therefore have a lesser impact on residential amenity. |
| Streetworks | 350225 , 310831 | Whitecroft Road, Reabrook Estate, Shrewsbury, Shropshire, England, SY3 7TF, United Kingdom | This location is immediately surrounded by residential properties and has been discounted as the chosen application site is further away from the residential properties and will therefore have a lesser impact on residential amenity. |

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| Streetworks | 350137 , 310989 | White Hart, Reabrook Estate, Shrewsbury, Shropshire, England, SY3 7TE, United Kingdom | This location is immediately surrounded by residential properties and has been discounted as the chosen application site is further away from the residential properties and will therefore have a lesser impact on residential amenity. |
| Streetworks | 350003 , 310953 | Walton Road, Reabrook Estate, Shrewsbury, Shropshire, England, SY3 7QJ, United Kingdom | This location is immediately surrounded by residential properties and has been discounted as the chosen application site is further away from the residential properties and will therefore have a lesser impact on residential amenity. |
| Greenfield | 349970 , 311116 | BMX track, Wenlock Road, Springfield, Shrewsbury, Shropshire, England, SY2 6LB, United Kingdom | Due to the highly residential nature of the area, there were no suitable locations to host a Greenfield installation, which would typically comprise of a lattice style structure with an open headframe with equipment cabinets at ground level within a fenced compound. |
| Rooftop | 351174 , 310516 | Sutton Road, Sutton Farm, Shrewsbury, Shropshire, England, SY2 6ED, United Kingdom | The residential properties in the search area are predominantly 2 storey pitched roof houses. These buildings are not tall enough to host an installation that would be capable of providing the required levels of coverage and capacity to the target coverage area. In addition, their pitched roofs would not be capable of hosting the type of equipment required. |

The proposal for this CK Hutchison Networks (UK) Ltd site has been designed within International Commission on Non-Ionising Radiation Protection (ICNIRP) public exposure guidelines. A certificate of ICNIRP compliance will be included within the planning submission.

Finally, we would be interested in any local stakeholders or groups that you consider would like to know more about our proposals and look forward to receiving your comments on the preferred option identified above. For your information pre-consultation letters and a set of plans have been sent to the local planning authority.

We look forward to receiving your response within 14 days of the date of this letter.

Yours sincerely





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(for and on behalf of CK Hutchison Networks (UK) Ltd).