

SUPPLEMENTARY INFORMATION

1. Site details

Site Name	Mork Farm	Site Address	Mork Clay Pigeon Shooting Club Mork St Briavels Lydney GL15 6QH
NGR	E 355630 N 206109		
Site Ref Number	ESN40157	Site Type	Greenfield

2. Pre-Application Check list

Site selection

Was the mast register of the authority responsible for planning used to check for suitable sites by the operator or the authority?	Yes	
Was the industry site database checked for suitable sites by the operator?	Yes	

Annual roll out consultation with the authority² responsible for planning

Date of last annual rollout information/ submission		N/A
Name of contact		N/A
Summary of outcome/Main issues raised N/A		N/A

Pre-application consultation with the authority² responsible for planning

Date of written offer of pre-application consultation	23/08/2019
Was there pre-application contact	Yes
Date of pre-application contact	04/10/2019
Name of contact	Hannah Ramsey

This response was for a previous option submitted and then withdrawn from planning (see planning statement).

The Council's conclusions are as follows:

'P1362/19/PREAPP - Mork Farm, Stowe Road - Installation of 15 m telegraph pole style mast, antennas and ground based apparatus

As you are aware, this site is within the Wye Valley Area of Outstanding Natural Beauty, therefore it is extremely sensitive. The National Planning Policy Framework attributes great weight to conserving landscape and scenic beauty; Areas of Outstanding Natural Beauty (AONB) are given the highest status of protection. Wye Valley AONB Management Plan (2015-2020) states that the primary purpose of AONB is to conserve and enhance natural beauty. The Wye Valley AONB is regarded as one of the finest lowland landscapes in Britain.

A site visit has not been undertaken, however, from using the Council's mapping system, it is clear that the land slopes steeply from north to south. The mast is proposed to be located adjacent to a number of trees, however, it will still be clearly visible from the adjacent highway Stowe Road. A photomontage would be helpful to demonstrate how the mast would look amongst the trees.

The fact that the mast has been designed to replicate a telegraph pole is welcomed. This should help reduce the visual impact of the mast in the open countryside.

Section 10 of the National Planning Policy Framework states that decisions should support the expansion of electronic communications networks. Paragraph 113 states that electronic communications masts, and sites for such installations, should be kept to a minimum consistent with the needs of consumers, the efficient operation of the network and providing reasonable capacity for future expansion. Paragraph 115 states that applications for electronic communications development should be supported by the necessary evidence to justify the proposed development, and sets out a list things that should be included. Any application would therefore be expected to be supported by clear evidence to justify the need and location of such a proposal.

This proposal clearly has national Policy support. The impact that the proposed mast would have on the AONB and the character and appearance of the area cannot be properly assessed without photomontages and a site visit. From the information that has been provided and using desk based mapping systems, I am of the opinion that subject to sufficient evidence being provided to demonstrate the need for a mast in this location, it is likely that the proposal would be supported by the Local Planning Authority.'

Ten Commitments Consultation

Rating of Site under Traffic Light Model	Green
Outline Consultation carried out; consultation sent to Ward Council and Community Council. Advisory mail sent to confirm resubmission on a new site	

School/College

n/a

Civil Aviation Authority/Secretary of State for Defence/Aerodrome Operator consultation

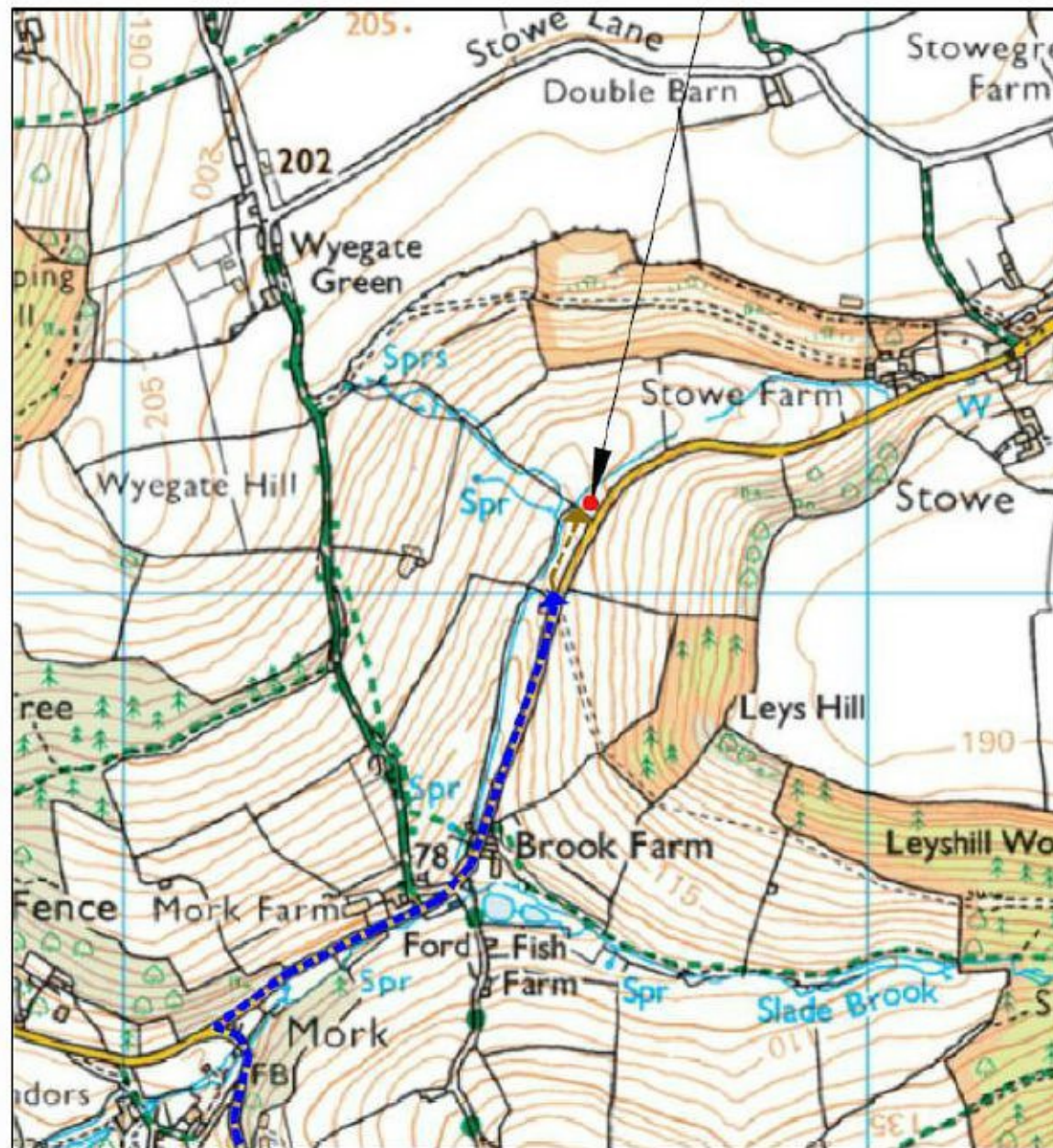
n/a

3.0 Proposed Development

Installation of 15m telegraph pole style communications mast, antennas and ground based apparatus.

The proposed site is required in order to address a gap in EE's ESN network coverage for the emergency services that has been identified at and around the Stowe Road and Mork Road road junction to the north of St Briavels.

The proposed development can be seen on the map extract below.



Type of Structure (e.g. tower, mast, etc.): Telegraph pole style mast.	
The proposed installation consists of <ul style="list-style-type: none"> • 15m telegraph pole style mast • 1 no. ground based equipment cabinets colour green (RAL6009). • 3 no. antennas • 2 no. transmission dishes • ancillary development (inc VSat dish) 	
Overall Height	15m
Materials (as applicable)	
Type of material and external colour	Galvanised steel – Bitter Chocolate colour
Equipment housing – type of material and external colour	Galvanised steel/ Metal Alloy – Green (RAL6009)

Reasons for choice of design
The design has been chosen as it meets both the technical requirement to provide the necessary service in terms of height and the telegraph pole style mast design blends in with the locality where the nearby trees and distant nature of the majority of public views allow this design of mast to be absorbed into the landscape.

4.0 Technical information

ICNIRP Declaration attached – Yes ICNIRP 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.
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Frequency: <i>All EE Ltd sites operate both the GSM1800 system (transmitting in the frequency range of 1846.5MHz to 1876.5MHz) and the UMTS system (transmitting in the frequency range of 1904.9MHz to 1909.9MHz and 2159.7MHz to 2169.7MHz).</i>	
Modulation characteristics ³ The modulation method employed in GSM1800 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 .	
Power output (expressed in EIRP in dBW per carrier): In order to minimise interference within its own network and with other radio networks, EE Ltd 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 the EE Ltd network, the radio base station that is the subject of this application will be configured to operate in this way. EE's licence limits the allowed radiated power to an effective isotropic radiating power (EiRP) of +32dBW per carrier for both GSM1800 and UMTS	
Height of antenna (m above ground level)	15m

³ The modulation method employed in GSM is GMSK (Gaussian Minimum Shift Keying) which is a form of Phase Modulation

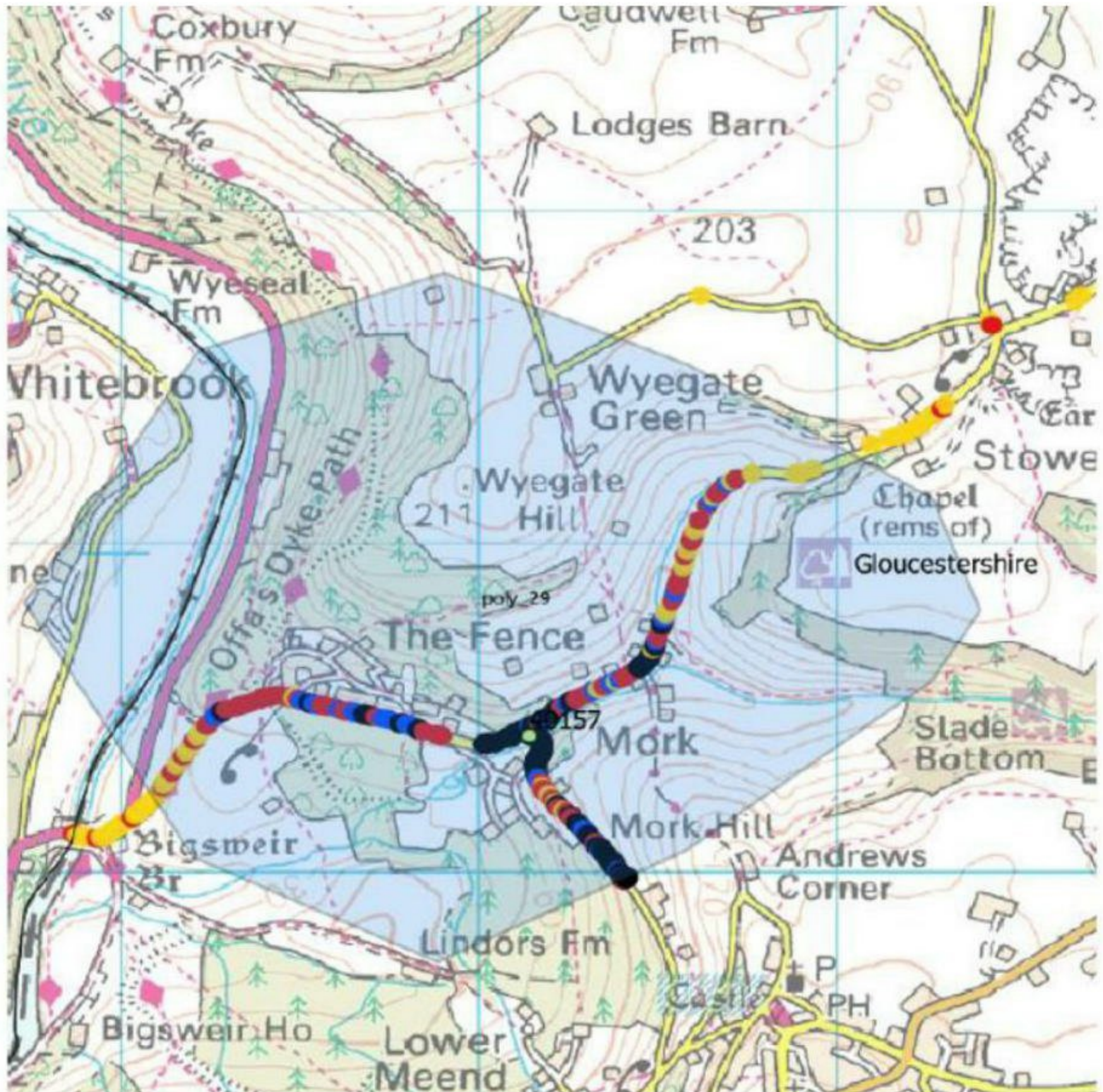
5.0 Technical Justification

The proposed site is intended to provide 2G (GSM) voice and 4G (LTE) high speed data coverage to this part of rural Monmouthshire.

EE is the operator of the new UK 4G Emergency Services Network ("ESN"). Once activated, this system will replace the existing Airwave TETRA (Terrestrial Trunked Radio) communications system currently used by the Police, Fire and Ambulance services. The proposed site will form part of this network.

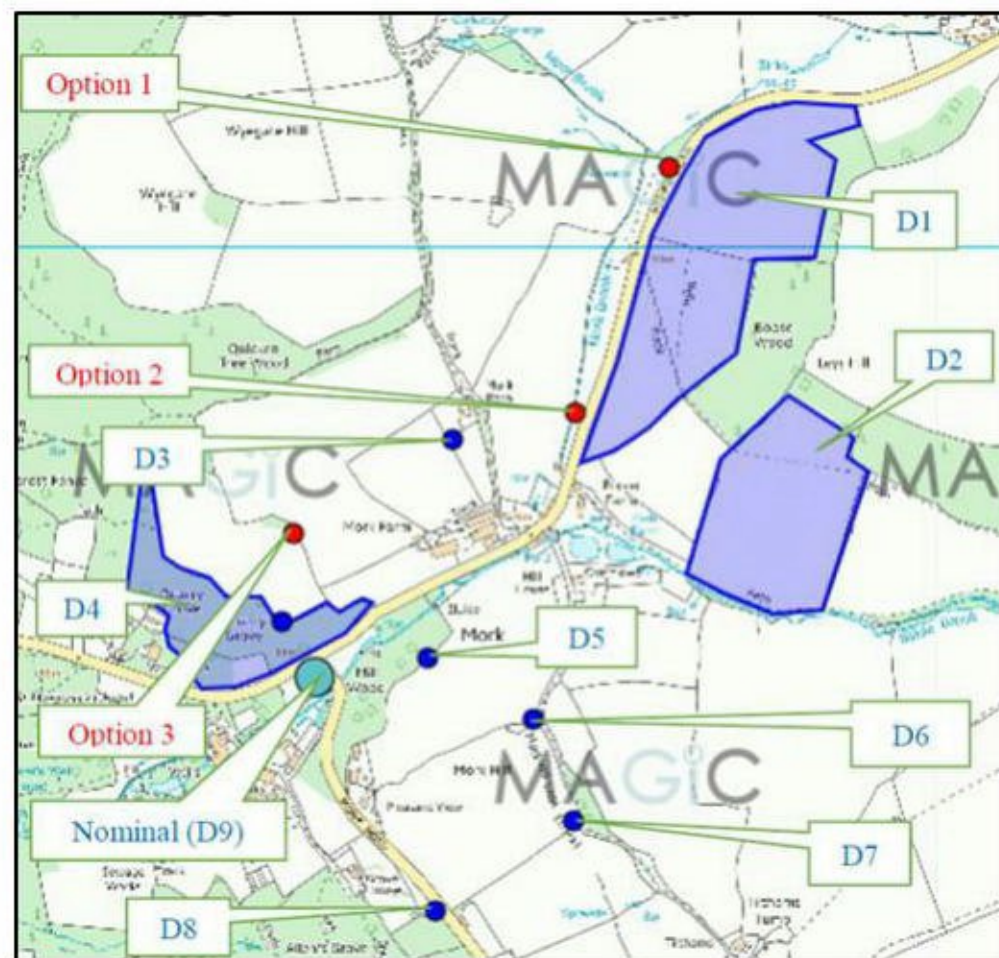
Due to the need to provide coverage to the roads to the south, the required site needs to be of sufficient height to be able to 'look over' the mature deciduous trees at the road.

Coverage requirements shown in the map below; green being good road coverage; black being no coverage; and red and purple represent poor coverage.



6.0 Site selection process – alternative sites considered and not chosen

Alternative sites were investigated when searching for a replacement location. Many of the options considered were discounted due to technical/operational requirements and/or for planning reasons.



The options considered can be seen above and are discussed below.

1. Option 1 – the application site
2. Option 2 - Located adjacent to Stowe Road with greater visual impact on road users and the AONB than the proposed option. In addition, does not perform as well as the chosen option for road coverage especially on the road rising south towards St Briavels (Mork Road) – discounted on that basis
3. Option 3 – the previous option which was progress to application (P1614/19/TE) then withdrawn to take account of landowner requirements

D1 – Area below Boose Wood: Steep land with poor access and a long distance from power. Poor coverage across all the roads requiring coverage, especially Mork Road

D2 – Brook Farm: Steep land and thought to provide insufficient coverage (especially to Mork Road), also proximity to SSSI

D3 – Mork Barn: Landowner strongly against hosting apparatus and any new mast would be close to the listed building or within its setting – discounted for those reasons

D4 – Quarry Grove Wood: SSSI and too low with very tall trees blocking coverage

D5 – Mill Wood: Very tall trees blocking coverage and would require very substantial tall lattice tower

D6 – Mork Hill: Site on public walk and would have a greater impact on the properties to the north and the AONB.

D7 – Mork Hill 2: Site on public walk and would have a greater visual impact than the proposed site

D8 – Allen's Grove: Too low lying and would have a greater impact on residential amenity than the proposed location.

D9 – Village Centre (Nominal): No available land suitable for telecommunications apparatus and too low lying to provide required level of coverage.

Contact Details

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Signed		Date	15/01/2021