

4G ROLL OUT PLANNING PRE-APPLICATION ENQUIRY - SITE DETAIL SHEET

Site Requirement

Site Introduction Telecoms Planning Pre-Application Enquiry for a proposed telecommunications installation at:

Greenside Forestry, Falstone, Northumberland, NE48 1HR

Site Objective To provide the surrounding area with mobile coverage, while linking other sites into the wider Network. The site is part of a project to supply the surrounding area with 4G coverage. At present, there is a gap in network coverage within this particular area.

The shared installation will be designed to accommodate the mobile operators, O2, Vodafone and Three, improving coverage within this rural part of Northumberland.

Preferred Site

Site Name 30609200 – Leaplish

National Grid Reference NGR E: 364515, N: 587380

Traffic Light Model Rating Green

Assessment In this instance, the proposed scheme involves deploying a new 25m high lattice tower, positioned on well elevated ground and within an established woodland. A new route of access from the C200 road is also proposed and will allow the equipment to be deployed and subsequently serviced/maintained.

Equipment Details:-

Please refer to the planning drawings (enclosed).
30609200 – 100 A, 101 A, 200 A & 300 A

Site Description of Designated Search Area (DSA)

Mobile phones will only function with a network of base stations in place. Without base stations, the mobile phones and other devices we rely on simply, will not work. The proposed scheme involves the deployment of a new 4G installation which will be designed to support the mobile operators, O2, Vodafone and Three.

The Designated Search Area (DSA) is centred around the C200 road and Leaplish, to the west of Kielder Water. There is very little coverage around the area due to the isolated location and a new site will benefit residents, businesses and visitors to the area.

Figure 1 – Map of the search area (circled red). The proposed site is indicated by a blue marker.



Figure 2 – An illustration of the intended site which is situated on elevated ground approximately 1.2 kilometres west of Leaplish Waterside Park

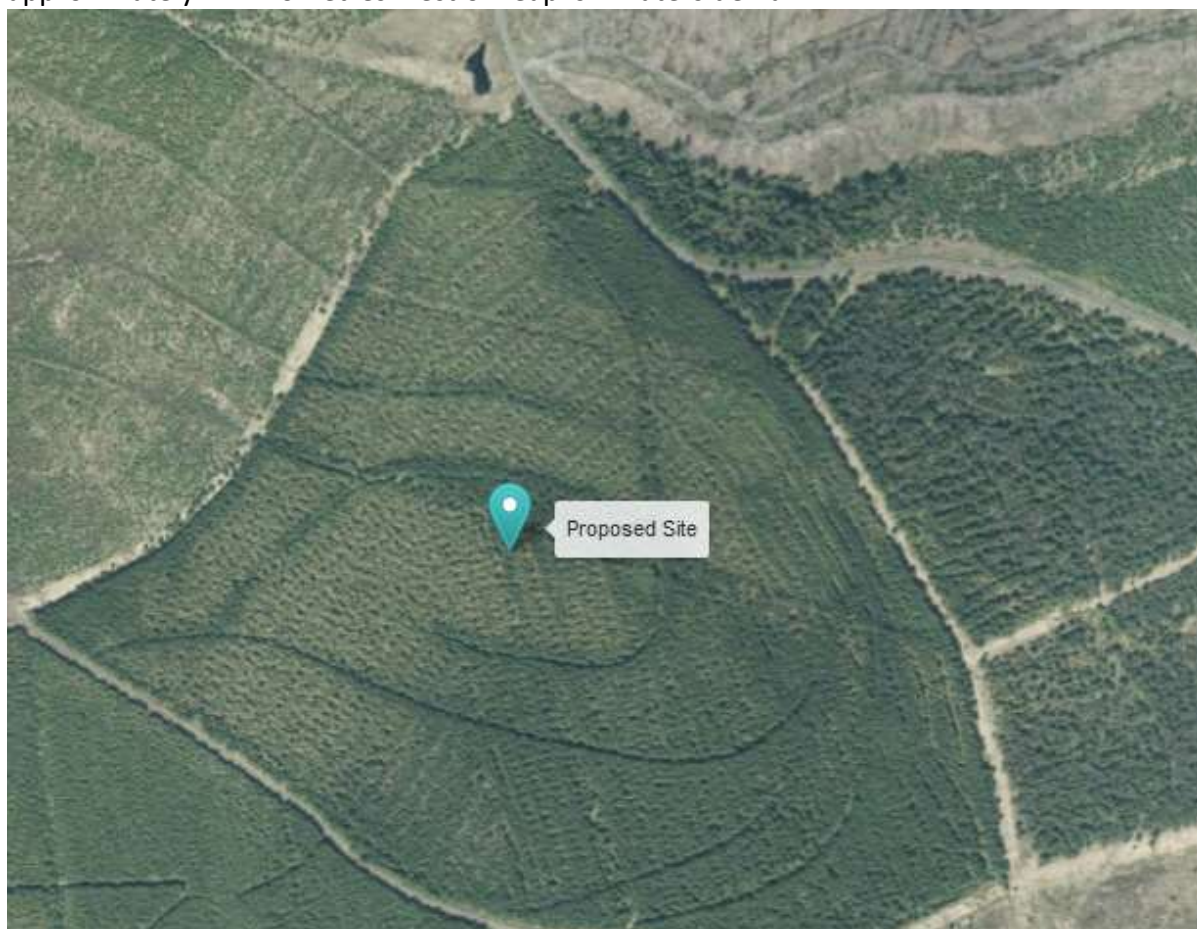


Figure 3 – Site Photograph: (approximate location of site).

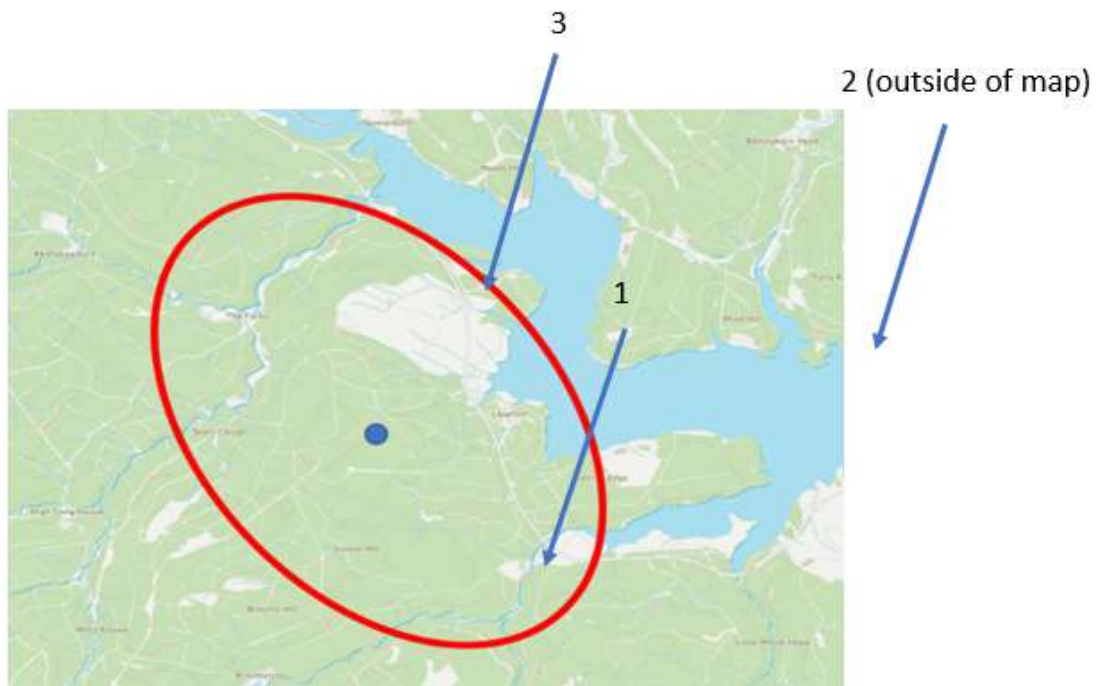


Discounted Sites

List of other sites investigated and why they have been discounted.

Site	NGR	Discounted Reason
D1 Crangleuch Plantation - Lakeside Way Falstone Northumberland NE48 1QZ	E: 366432 N: 585818	<p>Ground height at this location is considerably lower when compared with the proposed site (approximately 200 metres above sea level). Due to the topography of the surrounding area where the land climbs steeply to the west, a site in this location would not achieve the operational requirements of Cornerstone.</p> <p>The proposed site is situated at around 345 metres above sea level which will ensure the telecommunications installation can maximise coverage levels across the local area, without interruption.</p>
D2 Airwave Site NHU022 - North Haul Road Falstone Northumberland NE48 1BB	E: 370329 N: 588430	<p>The installation is positioned upon the eastern shoreline of Keilder Water where ground height is approximately 200 metres above sea level. The site is also situated well outside the intended target area at over 3 kilometres. As a result, due to the combination of low ground height and distance from the intended target area, a site at this location would not achieve the operational requirements of Cornerstone.</p>
D3 Hawkhurst Peninsula - North Ride Falstone Northumberland NE48 1QZ	E: 365749 N: 589425	<p>Ground height at this location is considerably lower when compared with the proposed site (approximately 200 metres above sea level). Due to the topography of the surrounding area where the land climbs steeply to the west, a site in this location would not achieve the operational requirements of Cornerstone.</p> <p>The proposed site is situated at around 345 metres above sea level which will ensure the telecommunications installation can maximise coverage levels across the local area, without interruption.</p>

Figure 4 – The approximate location of the discounted sites considered. The proposed site is indicated by a blue marker.



Proximity of the site to schools

A review of available mapping shows that there are no education establishments within a 500m radius of the site.

Proximity of the site to airports

There are no airports or airfields within 3km of the proposed site.

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Airports with scheduled flights sorted by distance.

Type	Airport Name	City	IATA Code	Connectivity	Distance
✗	Newcastle Airport	Newcastle	NCL	★ ★ ★ ★ ★	36.8 mi
✗	Edinburgh Airport	Edinburgh	EDI	★ ★ ★ ★ ★	60.72 mi
✕	Durham Tees Valley Airport	Durham	MME	★ ★ ★ ★ ★	65.84 mi
✕	Glasgow Prestwick Airport	Glasgow	PIK	★ ★ ★ ★ ★	81.71 mi
✗	Glasgow International Airport	Glasgow	GLA	★ ★ ★ ★ ★	86.23 mi
✕	Dundee Airport	Dundee	DND	★ ★ ★ ★ ★	88.7 mi

Other airports without scheduled flights sorted by distance.

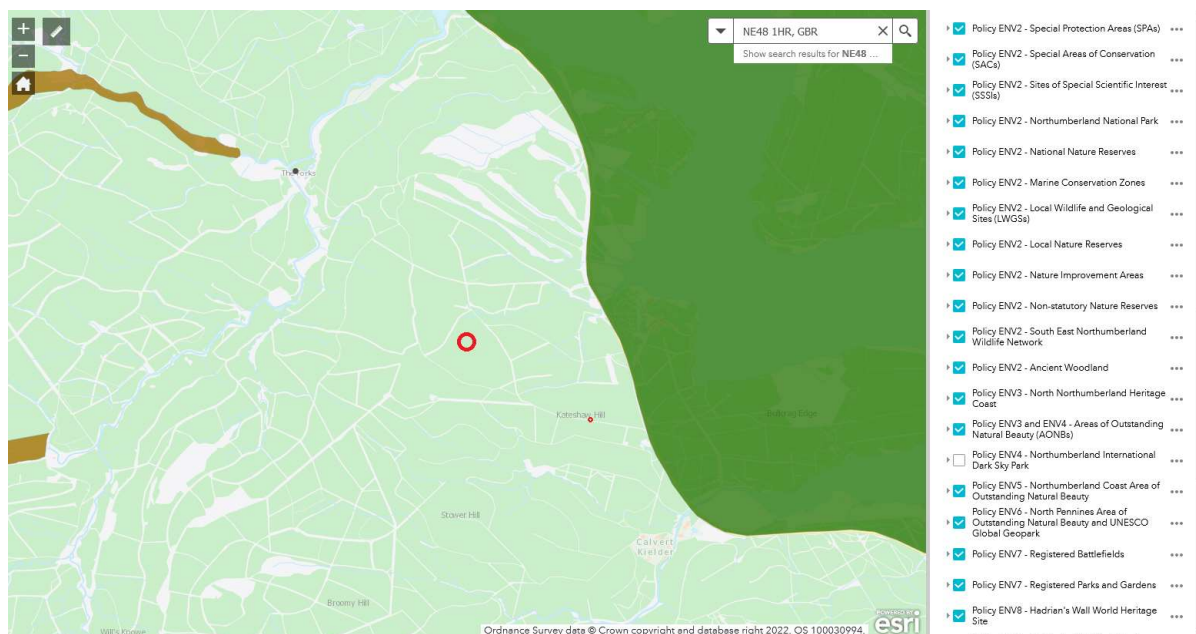
Type	Airport Name	City	IATA Code	Connectivity	Distance
✕	RAF Spadeadam	Spadeadam		★ ★ ★ ★ ★	9.97 mi
✕	Carlisle Airport	Carlisle	CAX	★ ★ ★ ★ ★	19.81 mi
✕	Leeming Airport	Leeming		★ ★ ★ ★ ★	74.94 mi
✕	Barrow Walney Island Airport	Barrow-in-Furness	BWF	★ ★ ★ ★ ★	78.48 mi
✗	[Duplicate] Pic	Prestwick		★ ★ ★ ★ ★	81.65 mi
✕	RAF Leuchars	St. Andrews	ADX	★ ★ ★ ★ ★	82.26 mi
✕	RAF Topcliffe	Topcliffe		★ ★ ★ ★ ★	83.38 mi
✕	RAF Dishforth	Dishforth		★ ★ ★ ★ ★	86.48 mi

Is the site within or close to a designated area?

Following a review of the Northumberland County Council planning policy map, no specific designations have been identified which may affect the proposed scheme.

Due to the setting within an established woodland and transparent nature of the proposed design (lattice tower), we consider the location and design will have a minimal impact upon the immediate and wider area.

Figure 5 – Extract from the Northumberland County Council Policy Map



Legislation

Telecommunications is covered by ICT 1 of the Northumberland Local Plan (2016 – 2036) and which was adopted in March of this year.

Policy ICT 1

Planning for high quality communications infrastructure

1. Infrastructure delivering wireless telecommunications and the enhancement and extension of broadband infrastructure will be encouraged. Where it can be demonstrated that it is not feasible to share existing structures, buildings, sites, masts or other structures, new apparatus will be supported provided that the following criteria are met:
 - a. The siting and appearance of the proposed apparatus, infrastructure and any associated structures and access routes are located and designed to minimise their impact on the accessibility and visual amenity, character and appearance of the surrounding area;
 - b. Where apparatus, infrastructure and any associated structures are located on a building, they should be sited and designed to minimise their impact on the external appearance of the host building; and
 - c. The proposal is certified to be in conformity with the latest national guidelines on radiation exposure.

The Local Development Plan also recognises the importance of telecommunications and the following extract has been taken from the plan:

9.66 The ability to access information and services through wireless and broadband facilities is an important part of modern life. Digital connectivity can add to the overall sustainability of a development proposal. The ability for occupiers, visitors and residents in new development to connect to a digital network is an important material planning consideration in this context.

The proposed base station will be designed to bring significant improvements to connectivity within the local area, as detailed above.