

Design and Access Statement

SMETS2 T3 Antenna Installation - 3 Lower Terrace, NW3 6RG

Antenna Installation for Grade II Listed building in Conservation Area

Site Description:

3 Lower Terrace forms one of a pair of early 19th century terraced cottages which are Grade II listed. The cottages were added to the statutory list on the 11 August 1950, the list description is as follows:

CAMDEN TQ2686SW LOWER TERRACE 798-1/16/1078 (West side) 11/08/50 Nos.2 AND 3 and attached railings GV II Pair of terraced cottages. Early C19. Yellow stock brick. 2 storeys and basements. 2 windows each. Red brick round-arched doorways with keystones and impost bands and panelled pilaster jambs; radial patterned fanlights and panelled doors approached by steps. Gauged red brick flat arches to recessed sashes with blind boxes; ground floors tripartite. Parapets. INTERIORS: not inspected. SUBSIDIARY FEATURES: attached cast-iron railings on low brick wall and gates to forecourt. HISTORICAL NOTE: No.2 was occupied by the painter John Constable in the summers of 1821 and 1822. Listing NGR: TQ2615886090

The cottages also make a positive contribution to the designated Hampstead Conservation Area.

The cottages comprise a basement and two upper storeys, two windows wide. They are constructed of yellow stock brick with round arched doorways. The houses are set back from the road behind small front gardens enclosed by a brick boundary wall with cast iron railings and gates. The front boundary wall, railings and gate are specifically included in the listing of the house.

Proposed Development Scope:

Installation of a T3 high gain antenna on roof of building to allow the electric and gas smart meters to connect to the DCC (Data Communications Company) to allow for meters readings to be automatically sent between the meters and the owner's energy supplier. The antenna will allow the smart meters to connect to the DCC network via the O2 Telefonica mobile network (Virgin Media O2) on either their 2G or 3G network to supply meter readings every 30 minutes.

The antenna will be installed approximately 10m from ground level and will be either a Panorama or Oriel antenna (exact antenna is unknown at this stage as these are decided by the DCC on the day of installation). A T3 Panorama antenna is 695mm x 25mm x 25mm and a T3 Oriel antenna is 632mm x 100mm x 40mm.

Intended Use Description:

Energy supply companies have been installing smart meters for electricity and gas in homes across Great Britain since 2012. By 2025, all residential and small businesses across England, Scotland and Wales will be offered a smart meter by their energy supplier.

At present, the owners of 3 Lower Terrace are unable to successfully install and commission a smart meter into the existing site. Specifically the smart meter located on the Lower Ground floor in the

utility cupboard is unable to connect to the DCC network to communicate meter readings to any energy suppliers. This is due to the lack of a good quality signal 2G or 3G signal available on the O2 Telefonica networks (Virgin Media O2) in the local area.

In order to improve the signal quality needed to send and receive data between the smart meters and the DCC and energy supply companies, the energy supply company (Octopus Energy) has recommended that a T3 high gain antenna will need to be fitted to the property.

In December 2022, the energy supply company fitted an internal meter within the utility cupboard located inside the Lower Ground floor of 3 Lower Terrace. Unfortunately the existing antenna was unable to improve the quality of the local O2 network signal required for the meter to function. The owners have therefore been advised that an external antenna will be required to allow the smart meters to connect to the network and function.

Proposed Development Layout:

A discreet coaxial cable will be run along the façade of the property up to the chimney from the front utility cabinet located in the bedroom on the lower ground floor approximately 10m high. A T3 high gain antenna will be installed on the chimney and connected to the coaxial cable.

Public/private spaces landscaping in the proposed development:

N/A

Description of the appearance of the proposed development:

No changes are being made to the property with the exception of running coaxial cable from the utility cabinet located inside the bedroom on the lower ground floor, as well as a T3 high gain antenna being installed on the chimney stack.

The antenna will be installed approximately 10m from ground level and will be either a Panorama or Oriol antenna (exact antenna is unknown at this stage as these are decided by the DCC on the day of installation). A T3 Panorama antenna is 695mm x 25mm x 25mm and a T3 Oriol antenna is 632mm x 100mm x 40mm.

There will be no more than two antennas on the property overall.

The existing television antenna as well as the proposed SMETS2 T3 High Gain antenna are not more than 100 centimetres (cm) in any linear dimension (not including any projecting feed element, reinforcing rim, mounting and brackets).

The cubic capacity of each individual antenna is not more than 35 litres.

The T3 high gain antenna fitted onto the roof will be no more than 69.5 centimetres in height.

The antenna being installed should not stick out more than 60 centimetres above the highest part of the roof or chimney stack.

Explanation of how local context has influenced the overall design:

N/A

Proposed Access to the Development Site:

N/A – No changes are being made.

Explanation of how the historical and architectural importance of the listed building has been considered when designing the development:

N/A – The addition of the antenna will be less intrusive than the existing the television antenna already installed on the building.