

Proposed Amateur Radio Antenna Installation at 7 Elverlands Close Ferring. BN12 5PL
NGR : TQ 09779 01677

This planning application is for the installation of Amateur Radio antennas and their supporting structure at 7 Elverlands Close, Ferring, BN12 5PL. **NGR : TQ 09779 01677.**

Pre-application advice has been sought PAA/54/11/.

The Antenna support is a low profile structure referred to as a “Lightweight mast 7.6m” by the manufacturer (Tennamast) a data-sheet is included in the proposal. No supporting guy's are anticipated because of the low head load. The antennas pictured in the data-sheet are fairly representative of what is being proposed.

The antennas at the top of the mast will be of a similar size to conventional TV antennas. However because of the experimental nature of the activity the antennas will require changes in configuration and type mainly to facilitate operation on different frequency bands, for this reason and for safety a telescopic and tilt-over support structure was chosen. While the mast can be tilted over for maintenance it is not designed to be parked in that position for extended periods, instead it will be secured at roof height when not in use. It is anticipated that the combined height of the mast, rotator unit and attached antennas will not exceed 9 metres. Ideally it would be preferable for the antennas to be much higher but because of the potential visual impact and the very strong winds here on the coast that was not considered possible.

The mast will be located in the back garden of the Bungalow and will be located 1.5 metres from the rear wall of the building, some room is required for clearance. When fully extended the height will not exceed 9 metres, when fully retracted the height will not exceed 5.8 metres, the roof height is 4.9 metres. The bulk of the antenna installation (apart from the part that protrudes above the roof) will not be visible from the road to the front of the property (Elverlands Close). At a distance the antennas should blend in with all the other metallic aerial clutter on surrounding buildings.

Any antennas attached to the mast will fall well within the boundary of property and will be installed using best engineering practice. The base of the mast will be in a 1 meter square by ½ meter deep block of concrete below ground level as per the manufacturers recommendations.

No changes to any existing structures on the site will be required.

The house at the back of the property has opaque windows facing the area where the antenna is to be installed and so will not be able to see the structure from the house.

While Amateur Radio operations from this site have taken place since 1976 it is only recently that it has become necessary to install a higher antenna due to the commencement of Digital Television transmission by myself on the Amateur bands. Currently the density of suitable receivers is low and to get any sort of viewers it is necessary to access a repeater site located on the IOW to provide coverage along the south coast. To do this a higher antenna is needed as the permitted transmitter power level is quite low.

The following documents accompany this proposal.

Proposal001.doc (this document)
Siteplan002.doc
Blockplan003.doc
WestElevation004.doc

EastElevation005.doc
NorthElevation006.doc
SouthElevation007.doc
WestElevationPhoto008.jpg
NothElevationPhoto009.jpg
MastData010.pdf
RoofPlan011.doc
GroundLayout012.doc
SupplementaryInfo013.doc

Both photos show a montage of what the visual impact is likely to be.

All plans and maps should print to the correct scale when printed on A4 paper. Any queries should be sent to my email address 

Yours Sincerely

