

## 4 Discounted Structures

### 4.1 Alternative Structures

ComReg operates 'site viewer', a geo-website, which identifies existing communication sites. The map below illustrates the structures within the area.

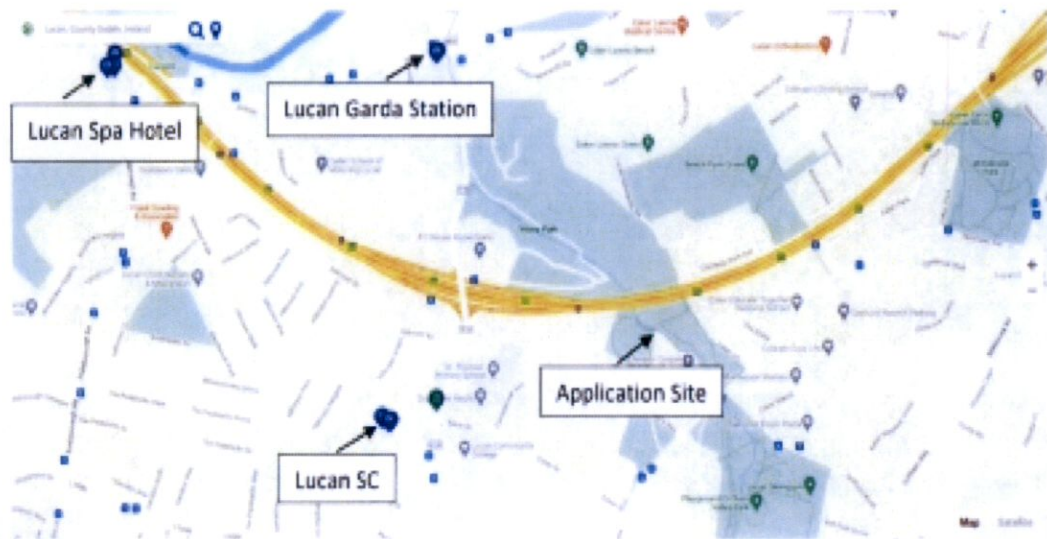


Figure 3 Map of existing sites in relation to application site

**Lucan Shopping Centre, Newcastle Road** – located c. 750 m southwest of the application site: Three Ireland, eir and Vodafone current transmit from a telecommunications structure at this location. As Vodafone is already present here, placing further equipment at this site would not improve coverage in the target area. Therefore, this structure has been discounted.

**Lucan Garda Station** – located c. 850 m northwest of the application site: Three Ireland, eir and Vodafone current transmit from a lattice telecommunications support structure at this location. Given the presence of three operators from the existing mast the available mounting heights are reduced significantly for a fourth operator to the point that the potential coverage from the mast is inadequate for the fourth operator. Also, as Vodafone is already present here, placing further equipment at this site would not improve coverage in the target area. Therefore, this structure has been discounted.

**Lucan Spa Hotel** – located c. 1.60 km northwest of the application site: Three Ireland, eir and Vodafone currently transmit from roof mounted telecommunications support structures at this location. However, this installation is too far away to provide the necessary 4G services to the village and too far for 5G. Therefore, this structure has been discounted.

Vodafone currently transmit from all three of the structures closest to the application site, and all sites were considered before submitting this application. However, all are too far away to secure the required target coverage.

A further search for telecoms, masts and towers was undertaken on the South Dublin County Council planning website, however no additional structures were identified.

### 4.2 Other Sites Considered

Due to the mature nature of the current Vodafone network both in respect of signal propagation, coverage overlap and links for line of sight, the area suitable for a new structure is very limited.

# SITE VIEWER

Close



Site DN377

## Site Details

# Site ID DN377

Easting 305115

Northing 234180

Latitude 53.35

Longitude -6.42

Operator Vodafone

Services GSM

LTE

