Swynnerton Parish is one of the largest parishes within the Stafford Borough Council area. It reaches from the outskirts of Newcastle-under-Lyme to the north and covers approximately 7 miles southward to the boundary with Yarnfield Parish. It is 3.4 miles wide at its widest point. It is bisected north/south by the M6 motorway and Junction 15 lies just within the northern boundary of Hanchurch and Trentham Ward. Swynnerton Parish has three wards with four principal settlements – Swynnerton, Tittensor, and Hanchurch and Trentham. Tittensor is designated a Key Service Village in the Local Plan for Stafford Borough.

The whole Parish lies within or is washed over by the Green Belt.