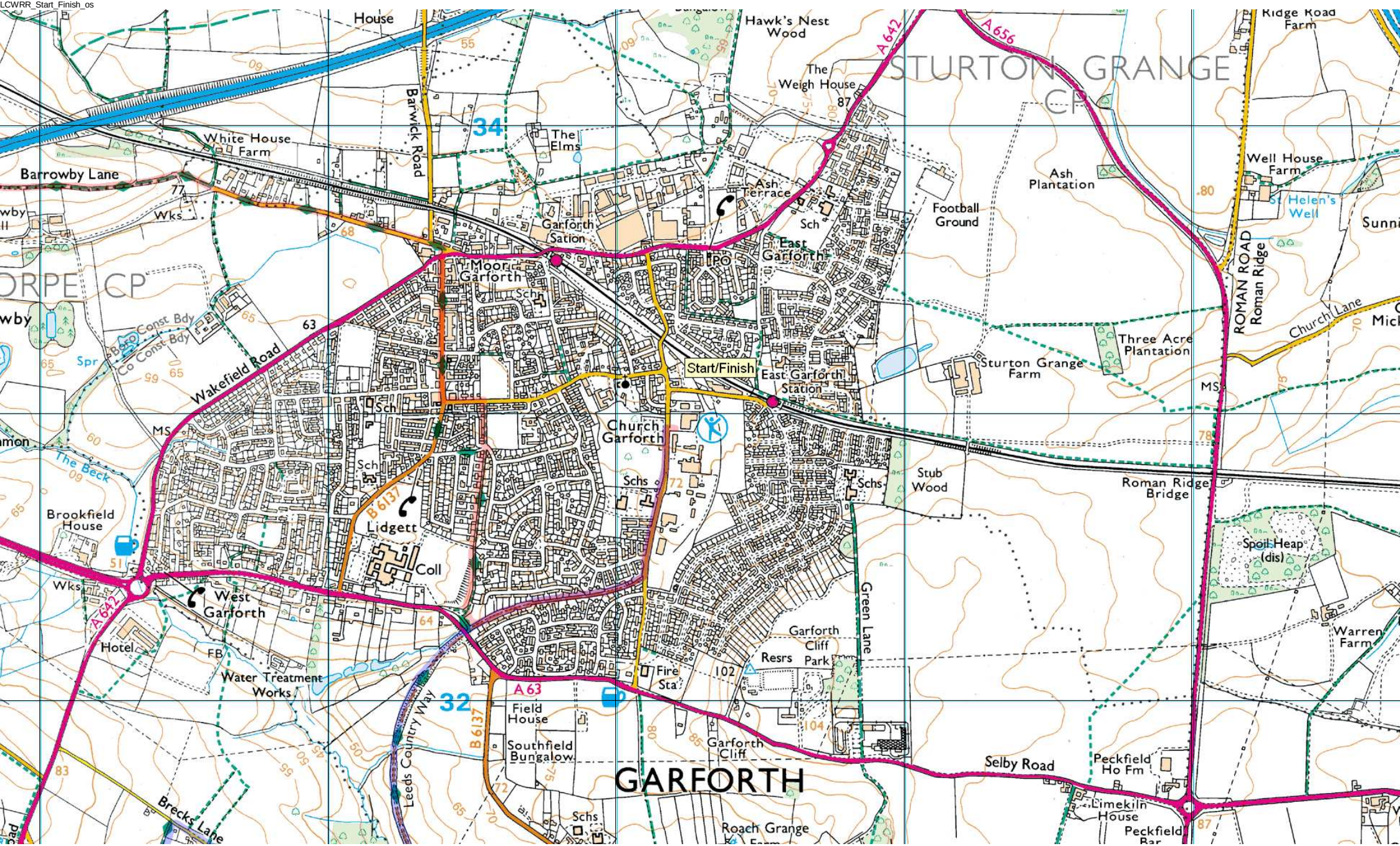LCWRR_Start_Finish_os