Wavefont recording plane (WRP) is a prominent method for faster calculation of computer generated hologram (CGH). WRP at each depth layer reduce the calculation time dramatically but for long depth object calculation time goes higher than the minimum calculation time and the reconstructed image quality is lower. A method for enhancement of reconstructed image quality and faster calculation speed using limited number of multiple WRP is presented. Instead of creating WRP in each depth layer of the object, WRPs are created when number of object points in the current depth layer is greater than the previous layer. Thus due to creation of limited number of WRPs better quality reconstructed image and faster computation can be achieved too. Computer simulated results for the proposed method are shown.