

ABSTRACT

A screwed steel pile able to suppress breakage due to resistance at the time of penetration without obstructing smooth penetration into the ground and realization of the bearing capacity. A
5 screwed steel pile 10 provided with a helical blade 12 at its lower end and screwed into the
ground by the helical blade 12 excavating soil while rotating, in which a helical blade 12
provided with an open part of 0.1 time or more and 0.9 time or less of an area of a circle having a
steel pipe pile outside diameter as its diameter being welded concentrically to a tip of steel pipe
pile 13 having an asymmetrical lower end shape when viewed from a side surface and the helical
10 blade 12 made to bulge to an inside and outside of the steel pipe pile 10.

FIG. 2