

ABSTRACT**SYSTEM AND METHOD FOR SECURING, MOVING AND PLACING
A PILE OR HEAVY ELONGATED OBJECT**

The present invention provides an improved system and method to transfer heavy, elongated objects safely and efficiently. It includes a system for gripping, moving, rotating and placing an elongated object, such as a reinforced concrete (RC) pile. The system includes a chassis, a hydraulic geared motor driven gearbox and a connecting member. The chassis includes a pair of gripping members, each composed of a load backrest, an upper clamping jaw and one or more lower fork tines. The distance between the gripping members can be adjusted to account for objects of various lengths. The hydraulic geared motor driven gearbox can rotate the chassis and elongated object from horizontal to vertical. The invention is particularly useful in gripping and moving a pile to a desired location, then rotating it into a vertical orientation and placing it into the ground.

FIG. 1 accompanies the abstract.