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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) Laboratory tests were performed, using a model pile, to determine what effect pile driving has on calcareous sand. Radiography was used to track the movement of lead shot in the sand during pile driving. Driving energy was also recorded. A test was done to measure the amount of grain crushing that occurs during pile driving. The result of this test shows that the side friction of piles in calcareous sand is low and does not increase with increasing blows. The reason for the low friction component is due to crushing the weak calcareous grains, which		