

SPECIAL NOTICE

The material presented in this publication has been prepared in accordance with recognized engineering principles. This Standard and Commentary should not be used without first securing competent advice with respect to their suitability for any given application. The publication of the material contained herein is not intended as a representation or warranty on the part of the American Society of Civil Engineers, or of any other person named herein, that this information is suitable for any general or particular use or promises freedom from infringement of any patent or patents. Anyone making use of this information assumes all liability from such use.

ASCE 20-96

ASCE STANDARD

American Society of Civil Engineers

Standard Guidelines for the Design and Installation of Pile Foundations

ASCE

This is a preview. [Click here to purchase the full publication.](#)

ASCE 20-96

American Society of Civil Engineers

Standard Guidelines for the Design and Installation of Pile Foundations

Published by

ASCE *American Society
of Civil Engineers*

**345 East 47th Street
New York, NY 10017-2398**

This is a preview. [Click here to purchase the full publication.](#)

Abstract:

This *Standard* provides a guideline for an engineering approach to the design and subsequent installation of pile foundations. The purpose is to furnish a rational basis for this process, taking into account published model building codes and general standards of practice. It covers such topics as: 1) Administrative requirements; 2) pile shaft strength requirements; 3) soil-pile interface strength requirements and capacity; 4) design loads; 5) design stresses; 6) construction and layout guidelines for pile design; and 7) installation guidelines for pile construction. In addition, the *Standard* includes information on applicable standards from ASTM, AWWA, and ACI. It concludes with an Appendix on partial factors of safety.

Library of Congress Cataloging-in-Publication Data

American Society of Civil Engineers.

Standard guidelines for the design and installation of pile foundations / ASCE, American Society of Civil Engineers.

p. cm.

ISBN 0-7844-0219-1

1. Piling (Civil engineering)--Design and construction--Standards.

I. Title.

TA780.A523 1997 96-30072

624.1'54--dc21 CIP

Photocopies. Authorization to photocopy material for internal or personal use under circumstances not falling within the fair use provisions of the Copyright Act is granted by ASCE to libraries and other users registered with the Copyright Clearance Center (CCC) Transactional Reporting Service, provided that the base fee of \$4.00 per article plus \$.50 per page is paid directly to CCC, 222 Rosewood, Drive, Danvers, MA 01923. The identification for ASCE Books is 0-7844-0219-1/97/\$4.00 + \$.50 per page. Requests for special permission or bulk copying should be addressed to Permissions & Copyright Dept., ASCE.

Copyright © 1997 by the American Society of Civil Engineers,
All Rights Reserved.

Library of Congress Catalog Card No: 96-30072

ISBN 0-7844-0219-1

Manufactured in the United States of America.