

Standard Design and Construction Guidelines for Microtunneling

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American Society of Civil Engineers

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**CONSTRUCTION
INSTITUTE**

Library of Congress Cataloging-in-Publication Data

Standard design and construction guidelines for microtunneling / American Society of Civil Engineers.

pages cm

“This document uses both the International System of Units (SI) and customary units.”
“ASCE/CI 36-15.”

Includes bibliographical references and index.

ISBN 978-0-7844-1363-0 (print : alk. paper)—ISBN 978-0-7844-7857-8 (ebook)

1. Microtunneling—Standards. 2. Underground pipelines—Design and construction—Standards—United States. 3. Trenchless construction—Standards—United States.

I. American Society of Civil Engineers.

TA660.P55S73 2015

621.8'672—dc23

2014050331

Published by American Society of Civil Engineers

1801 Alexander Bell Drive

Reston, Virginia 20191-4382

www.asce.org/bookstore | ascelibrary.org

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Errata: Errata, if any, can be found at <http://dx.doi.org/10.1061/9780784413630>.

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ISBN 978-0-7844-1363-0 (print)

ISBN 978-0-7844-7857-8 (PDF)

Manufactured in the United States of America.

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PREFACE

These design and construction guidelines for microtunneling have been created by a group of engineers, owners, contractors, suppliers, and manufacturers working over the past several years. The changes to these microtunneling guidelines take into account many of the advances that have occurred since their original publication in 2001. A number of new sections have been added. Many of the existing sections have been updated because of changes in technology as well as changes in construction that make microtunneling a more acceptable means of construction.

Sections have also been expanded and modified so that those reviewing the guidelines can best understand what is needed in detail in order to undertake a microtunneling project. In addition, the methods for preparing construction contract documents,

including drawings, technical specifications, and contractual specifications, have been updated. The qualifications of contractors who construct a microtunneling project as well as those of the engineers who design them have been updated.

The committee that worked on these guidelines acknowledges that there have been significant improvements in best practices and technology since 2001. No document, including this one, can encompass all of the issues on a particular microtunneling project. In addition, improvements in best practices and technology continue to evolve so quickly that consideration of these guidelines in connection with any project must take into account not only the specific characteristics of the particular project but also further improvements in best practices and technology.

ACKNOWLEDGMENTS

The American Society of Civil Engineers (ASCE), the North American Society for Trenchless Technology (NASTT), and the North American Microtunneling Association (NAMA) acknowledge the work of the Microtunneling Standards Committee. This group comprises individuals from many backgrounds, including consulting engineering, the construction industry, equipment and pipe manufacturing, education, government, design, and private practice.

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Thank you to Julie McCullough and Xavier Callahan for providing technical editing.

The committee would like to acknowledge the financial support provided by the following companies and associations:

McMillen Jacobs Associates

North American Microtunneling Association (NAMA)

North American Society for Trenchless Technology (NASTT)

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