



# Modern Sewer Design

First Edition 1980

Second Edition 1990

Third Edition 1995

Fourth Edition 1999

Copyright 1980

AMERICAN IRON AND STEEL INSTITUTE

1101 17th Street, NW

Suite 1300

Washington, DC 20036 - 4700

*Copyright 1980*

AMERICAN IRON AND STEEL INSTITUTE

All rights reserved,  
including the right  
of translation  
and publication  
in foreign countries.

LIBRARY OF CONGRESS CATALOG CARD NO. 79 - 56206

First Edition 1980

First Printing March 1980

Second Printing November 1985

Second Edition 1990

Third Edition 1995

Fourth Edition 1999

This Edition of AISI's "Modern Sewer Design" is the result of a thorough review, revising and updating of information to reflect the needs of the users. The most significant change is the inclusion of both S.I. units (metric) and traditional U.S. Imperial units. In addition, significant updates have been made to Chapter 8, "Durability," to reflect the NCSPA Durability Guidelines. This book is intended for the experienced practitioner as well as the serious student.

Major credit is due to the members of the NCSPA Technical Advisory Committee (TAC) and others responsible for preparing this Edition. Users of "Modern Sewer Design" are encouraged to offer suggestions for improvements in future editions.

The American Iron and Steel Institute actively promotes the use of steel in construction. AISI's Transportation and Infrastructure Group develops specifications, design guides and innovative engineering solutions to make steel the material of choice for infrastructure.

The contributions of the following AISI 1999 Construction market Committee member companies are greatly appreciated:

AK Steel Corporation  
Bethlehem Steel Corporation  
California Steel Industries, Inc.  
Dofasco, Inc.  
Ispat Inland Inc.  
IPSCO Steel, Inc.  
LTV Steel Company  
National Steel Corporation  
Rouge Steel Company  
Stelco Inc.  
USS-POSCO Industries  
USX-US Steel Group  
WCI Steel, Inc.  
Weirton Steel Corporation  
Wheeling-Pittsburgh Steel Corporation

AMERICAN IRON & STEEL INSTITUTE  
1999

Written and graphic materials in this publication provide general information and serve as a preliminary design guide only. Procedures, techniques and products shown should be used only with competent professional advice. Neither the contributors, the National Corrugated Steel Pipe Association, nor the American Iron & Steel Institute intend this publication as an endorsement or warranty of the suitability of any product, material or data for any specific or general use.