


INTRODUCTION

The *Cast Iron Soil Pipe and Fittings Handbook* has been published to present useful information of technical and general nature on the subject of cast iron soil pipe. In recent years, the volume and diversity of this information has increased, primarily as a result of changes in the industry and its products. Technological changes in foundry practice have been introduced; conventional products have been improved; new products and new jointing methods have been developed, together with new installation procedures. Further, product standards and specifications have been revised. A handbook was considered an appropriate medium for outlining these developments and providing useful information.

The Cast Iron Soil Pipe Institute

The publication of this handbook is consistent with the purposes and functions of the Cast Iron Soil Pipe Institute (CISPI), which was organized in 1949 by the leading American manufacturers of cast iron soil pipe and fittings. The Institute is dedicated to aiding and improving the plumbing industry. Through the preparation and distribution of technical reports, it seeks to advance interest in the manufacture, use and distribution of cast iron soil pipe and fittings, and through a program of research and the cooperative effort of soil pipe manufacturers, it strives to improve the industry's products, achieve standardization of cast iron soil pipe and fittings, and provide a continuous program of product testing, evaluation and development. Since the founding of the Institute, member firms have standardized soil pipe and fittings, and a number of new products have been introduced. Assurance that pipe and fittings meet the approved standards and tolerances of the Institute is provided either by  ® or the ♪ NO-HUB® trademarks which are the collective marks all member companies may place on their products.

The first edition of this handbook was compiled and edited by Frank T. Koeble under the direction of William T. Hogan, S.J. of the Industrial Economics Research Institute, Fordham University. Throughout its preparation close contact was maintained with the technical Committee of the Cast Iron Soil Pipe Institute for contributions of technical information on the manufacture and application of cast iron soil pipe and fittings. The original handbook contained copies of the industry's standard specifications for cast iron soil pipe, fittings, and accessories in addition to information on the history of the industry, the manufacture of its products, and their application. These specifications are now available separately from CISPI.

Recommendations for Deep Burial of Cast Iron Soil Pipe were developed by the Institute's Technical Committee in 1983 under the guidance of Dr. Reynold King Watkins, Ph.D., Professor of Civil and Environmental Engineering, Utah State University. These recommendations have been included in this edition as Chapter VII.