1. Record Nr. UNINA9910458488203321 Inspecting pipeline installation [[electronic resource] /] / prepared by **Titolo** the Pipeline Division of the American Society of Civil Engineers; edited by T.J. Hovland and Mohammad Najafi Reston, VA,: American Society of Civil Engineers, c2009 Pubbl/distr/stampa **ISBN** 0-7844-7301-3 Descrizione fisica 1 online resource (286 p.) ASCE manuals and reports on engineering practice;; no. 117 Collana Altri autori (Persone) HovlandT. J NajafiMohammad Disciplina 621.8672 Soggetti Pipelines - Design and construction Underground construction Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto ""CONTENTS""; ""1 INTRODUCTION""; ""1.1 Targeted Readership""; ""1.2 Terminology"": ""1.3 Text Organization"": ""1.4 Emphasis on Construction Practices""; ""1.5 Sources of Information""; ""2 SOIL MECHANICS FOR PIPELINE CONSTRUCTORS""; ""2.1 Introduction""; ""2.2 Natural Soil Components""; ""2.3 Describing a Soil Mixture""; ""2.4 Groundwater""; ""2.5 Loads in a Soil Mass""; ""2.6 Soil Compaction""; ""2.7 The Geotechnical Report""; ""2.8 Pipe Stiffness""; ""2.9 Interaction of the Soil and the Pipe Structure""; ""3 DESCRIBING COMMON PROCEDURES""; ""4 OBTAINING PIPE FROM A SUPPLIER"" ""5 MANAGING THE PROJECT"""6 EXCAVATION AND BACKFILLING"": ""6.1 The Major Common Work""; ""6.2 Excavation of a Pipe Trench: The First Phase of Pipeline Earthwork""; ""6.3 Other Important Earthwork Decisions""; ""6.4 Moving Earth""; ""6.5 Embedding the Pipe: The Second Phase of Pipeline Earthwork""; ""6.6 Problem Conditions during Backfilling""; ""6.7 Completing the Trench: The Third Phase of Pipeline Earthwork""; ""6.8 Notes to Inspectors""; ""7 PIPE SHIPPING AND HANDLING""; ""7.1 Controlling Pipe Delivery""; ""8 GENERAL INSTALLATION FOR ALL PIPES""; ""8.1 Basic Workplace Control"" ""8.2 General Pipe Installation"""8.3 Handling and Operational Issues"";

""8.4 Mainline Connections""; ""8.5 Reaction or Thrust Blocking""; ""8.6

Connection to Structures"; ""8.7 Installation in Casings and Tunnels""; ""8.8 Other Considerations""; ""8.9 Corrosion""; ""8.10 Measurement of Pipe Deformation""; ""8.11 First Filling of Pipes""; ""9 GENERAL INSTALLATION PROCEDURES""; ""10 STEEL PIPE""; ""10.1 General Background and Discussion""; ""10.2 Product Information""; ""10.3 Linings and Coatings""; ""10.4 Pipe Shipping and Handling""; ""10.5 Installation""; ""10.6 Backfilling"" ""10.7 Testing and Acceptance"""11 CORRUGATED METAL PIPE""; ""11.1 General Background and Discussion""; ""11.2 Shipping and Handling""; ""11.3 Installation of Corrugated Metal Pipe""; ""11.4 Inspection and Testing""; ""12 DUCTILE IRON PIPE""; ""12.1 General Background and Discussion""; ""12.2 Product Information""; ""12.3 A Sample Project to Describe Ductile Iron Pipe Installation""; ""12.4 Delivering Pipe to the Job Site""; ""12.5 Laying Pipe""; ""12.6 Tapping""; ""12.7 Connections to Structures""; ""12.8 Installing in Tunnels and Casings""; ""12.9 Related Topics"" ""12.10 Testing and Acceptance"""12.11 Record Drawings""; ""13 PRESTRESSED CONCRETE CYLINDER PIPE""; ""13.1 General Background and Discussion""; ""13.2 Product Information""; ""13.3 Linings and Coatings""; ""13.4 Shipping and Handling""; ""13.5 Installation""; ""14 REINFORCED CONCRETE PIPE": ""14.1 General Background and Discussion""; ""14.2 Description of Reinforced Concrete Pipe""; ""14.3 A Sample Project to Illustrate Actual Installation Work""; ""15 BAR-WRAPPED CONCRETE CYLINDER PIPE""; ""15.1 General Background and Discussion""; ""15.2 Product Information""

""15.3 Shipping and Handling""