

INTRODUCTION

The Washington Suburban Sanitary Commission's Pipeline Design Manual covers the minimum standard criteria to be followed by Designers and Engineers when preparing plans and/or specifications for the design of water and sewer pipelines for the Washington Suburban Sanitary Commission (WSSC) within the Washington Suburban Sanitary District (WSSD). It covers criteria such as submittal requirements, horizontal and vertical alignment, thrust restraint, tunneling, corrosion control, structural requirements, appurtenances, specifications, materials, hydraulics, etc.

This manual is a design guideline that shall be followed and used in conjunction with the WSSC Standard Details for Construction and the WSSC General Conditions and Standard Specifications. It is the Designer's responsibility to review and verify the applicability of all material presented in this manual as it pertains to the specific project under design and to submit, as required by WSSC and herein, all reports, design computations, worksheets, geotechnical investigations, surveys, rights of way determinations, checklists, etc. All such submittals shall be signed and sealed by the Professional Engineer or Professional Land Surveyor, as appropriate, licensed to practice in the State of Maryland, who is in responsible charge of that portion of the project.

This manual covers design guidelines for all pipeline projects under the jurisdiction of WSSC including ductile iron water mains 54-inch diameter and smaller and all sizes of gravity and pressure sewers with the exception of privately owned and maintained systems referred to as "on-site" systems.

It is the WSSC's policy to avoid and protect environmentally sensitive areas wherever possible including wetlands, woodlands, one hundred (100) year flood plains, park property, steep slopes, historical/archaeological sites, Chesapeake Bay Critical Areas, Areas of Special State Concern and public tree areas.

