

SECTION 10 - INTRODUCTION

10.1 GENERAL INFORMATION

DOCUMENT TITLE: The title of this document is "Polk County Utilities Division Technical Standards and Specifications for Utility System Design and Construction Manual." Other documents that supplement this document include the Polk County Utilities Division Development Coordination Procedures Manual, Polk County Road Construction Specifications, Polk County Subdivision Regulations, Florida Department of Transportation Standards and Specifications for Roadway and Bridge Construction, and Florida Department of Transportation Utility Accommodation Manual.

PURPOSE: This MANUAL is adopted to establish minimum acceptable standards for the design and construction of wastewater collection and transmission systems and potable water and reclaimed water distribution and transmission facilities to be served by or owned, operated, and maintained by the Polk County Utilities Division.

10.2 DEFINITIONS

Except where specific definitions are used within a specific section, the following terms, phrases, words, and their derivation shall have the meaning given herein when consistent with the context. Words used in the present tense include the future tense, words in the plural number include the singular number and words in the singular number include the plural number. The word "shall" is mandatory, and the word "may" is permissive.

AASHTO - means American Association of State Highway and Transportation Officials. Any reference to AASHTO standards shall be taken to mean the most recently published revision unless otherwise specified.

ANSI - means American National Standards Institute. Any reference to ANSI standards shall be taken to mean the most recently published revision unless otherwise specified.

ASTM - means American Society for Testing Materials. Any reference to ASTM standards shall be taken to mean the most recently published revision unless otherwise specified.

AWWA - means American Water Works Association. Any reference to AWWA Standards shall be taken to mean the most recently published revision unless otherwise specified.

CONTRACTOR - means the person, firm, or corporation with whom the contract for work has been made by OWNER, DEVELOPER or COUNTY.

COUNTY - means the Polk County Board of County Commissioners, Polk County, Florida, and/or its designated representative(s).

DEVELOPER - means the person, firm, or corporation engaged in developing or improving real estate for use or occupancy.

DEVELOPER'S ENGINEER - means an engineer or engineering firm registered with the State of Florida Board of Professional Engineers, retained by the DEVELOPER to provide professional engineering services.

DIPRA - means Ductile Iron Pipe Research Association.

DIRECTOR - means the Director of the Polk County Utilities Division of Polk County, Florida, acting directly or through a representative authorized by him.



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DRAWINGS - means engineering drawings prepared by an ENGINEER.

ENGINEER - means an engineer or engineering firm registered with the State of Florida Board of Professional Engineers.

FAC - means the Florida Administrative Code, latest revision.

FACILITY - means UTILITY SYSTEM.

FDOT - means the Florida Department of Transportation.

FIRE LINE - means a water main or water system dedicated solely to providing water for fire fighting purposes. No domestic supply shall be furnished from a fire line.

FM - means Factory Mutual.

FS - means the Florida Statute, latest revision.

GEOTECHNICAL/SOILS ENGINEER - means an ENGINEER who provides services related to terrain evaluation and site selection, subsurface exploration and sampling, determination of soil and rock properties, foundation engineering, settlement and seepage analysis, design of earth and earth retaining structures, the design of subsurface drainage systems and the improvement of soil properties and foundation conditions, and testing and evaluation of construction materials.

INSPECTOR - means a Polk County Inspection Services Construction Inspector.

MANUAL - means this document titled: Polk County Utilities Division Technical Standards and Specifications for Utility System Construction.

MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES - means the United States Department of Transportation Manual on Traffic Control Devices, latest edition.

NEMA - means National Electrical Manufacturers Association. Any reference to NEMA Standards shall be taken to mean the most recent revision unless otherwise specified.

NSF - means National Sanitation Test Laboratory Foundation. Any reference to NSF Standards shall be taken to mean the most recent revision unless otherwise specified.

POLK COUNTY - means the Board of County Commissioners of Polk County, Florida.

POTABLE WATER SYSTEM - means potable water transmission mains, distribution mains, pipes, fittings, valves, hydrants, services, meters and miscellaneous related appurtenances.

OSHA - means the Federal Occupational Safety and Health Administration.

OWNER - means the person, firm, corporation, or governmental entity holding right of possession of the real estate upon which construction is to take place.

PCUD - means the Polk County Utilities Division.

PLANS - means DRAWINGS as defined herein above.

POLK COUNTY UTILITIES DIVISION - means the Polk County Utilities Division of Polk County, Florida.

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RECLAIMED WATER SYSTEM - means reclaimed water transmission mains, distribution mains, pipes, fittings, valves, hydrants, services, meters and miscellaneous related appurtenances transmitting or carrying public access quality reclaimed water produced by a wastewater treatment facility.

ROAD CONSTRUCTION SPECIFICATIONS - means the Polk County Road Construction Specifications, latest edition.

SPECIFICATIONS - means the specifications contained in this MANUAL.

STANDARDS - means the minimum design standards contained in this MANUAL.

STANDARD DRAWINGS - means the drawings contained in this MANUAL.

STANDARD SPECIFICATIONS - means the Department of Transportation, State of Florida, Standard Specification for Road and Bridge Construction, latest edition.

SUBDIVISION REGULATIONS - means the Polk County Subdivision Regulations, latest edition.

SURVEYOR - means a surveyor or surveying firm registered with the State of Florida Department of Business and Professional Regulation.

TRAFFIC CONTROL AND SAFE PRACTICES MANUAL - means the State of Florida Department of Transportation Manual on Traffic Control and Safe Practices for Street and Highway Construction, Maintenance and Utility Operation, latest edition.

UL - means Underwriters Laboratory.

UTILITY ACCOMMODATION GUIDE - means the State of Florida Department of Transportation Utility Accommodation Guide, latest edition.

UTILITY SYSTEM - means potable water, reclaimed water, and wastewater transmission mains, distribution mains, pipes, fittings, valves, hydrants, services, meters, pumps, pump stations, production facilities, treatment facilities, and miscellaneous related appurtenances.

WATER SYSTEM - means potable or reclaimed water transmission mains, distribution mains, pipes, fittings, valves, hydrants, services, meters and miscellaneous related appurtenances.

WASTEWATER SYSTEMS - means wastewater gravity sewers, force mains, pump stations, fittings, valves, service laterals, and miscellaneous related appurtenances. This includes systems carrying nonpublic access quality effluent produced by a wastewater treatment facility.

WORK - means the labor, materials, equipment, supplies, services and other items necessary for the execution, completion and fulfillment of the contract.



SECTION 11 - AUTHORIZATION AND APPLICABILITY

11.1 AUTHORIZATION

This MANUAL was authorized by UTILITIES DIVISION for use, implementation, and enforcement by UTILITIES DIVISION on this PROJECT.

11.2 APPLICABILITY

This MANUAL shall apply to all proposed potable water, reclaimed water, and wastewater systems and facilities to be served by or owned, operated, and maintained by UTILITIES DIVISION. In addition, this MANUAL may be applied to any utility system, provided the governing body elects to come under the jurisdiction of this MANUAL. Nothing in this MANUAL is intended to conflict with federal, state, or local laws, codes, or ordinances. Should such a conflict occur, the federal, state, or local law, code, or ordinance shall govern unless this MANUAL provides more stringent requirements than this MANUAL shall govern.

STANDARD DRAWINGS, SPECIFICATIONS, and any other requirements shown on the DRAWINGS shall govern over those included in the MANUAL if a conflict between the DRAWINGS and MANUAL arises.