

**Polk County Utilities, Florida**

# **UTILITIES STANDARDS AND SPECIFICATIONS MANUAL**

**Utilities Code Reference Document 6(B)**



Polk County Board of County Commissioners

**USSM TABLE OF CONTENTS**

**SUMMARY OF CHANGES**

**Authorization #2 - Amendments Effective December 15, 2012**

Table of Contents	Section Name	Amendment Description
USSM	Chapter 2 Development Coordination	Part 1 - Part 6 - inserted title names for specific parts of Chapter 2
USSM	Chapter 6 Reclaimed Water	450-D - Inserted cross-reference information for Approved Meters List
Standard Drawings	Water	WA-10 - Inserted reference for new Hydraulically Operated Control Valve detail
Standard Drawings	Reclaimed Water	RW-03 Inserted reference for Reclaimed Water Master Meter Assembly

**Authorization #4 - Amendments Effective November 17, 2013**

Table of Contents	Section Name	Amendment Description
USSM	Chapter 4 Water, Section 413 and Standard Screens	Added Reference to Chapter 4 - for NEW Sections, 413 Potable Water Production Facility SCADA Specifications and Standard Screens (WA-S-01 through WA-S-08)
USSM	Chapter 5, Wastewater, Section 519 and Standard Screens	Added Reference to Chapter 5 - for NEW Sections, 519 Wastewater Treatment Facility SCADA Specifications and Standard Screens (WW-S-01 through WA-S-12)
USSM	Chapter 6, Reclaimed Water, Section 611 and Standard Screens	Added Reference to Chapter 6 - for NEW Sections, 611 Reclaimed Water Facility SCADA Specifications and Standard Screens (RW-S-01 through RW-S-03)

**Authorization #5 - Amendments Effective September 10, 2014**

Table of Contents	Section Name	Amendment Description
USSM	Chapter 5, Wastewater, Section 517	Title changed from SCADA RTU Panel Specifications to SCADA and Control Panel Specifications
USSM	Chapter 5, Wastewater, Section 550-K	Added section for SCADA Panel I/O Listing
Standard Drawings	GR-14-1 Pipe Locating Wire	Title changed from Pipe Tracer Wire to Pipe Locating Wire

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Table of Contents	Section Name	Amendment Description
Standard Drawings	WW-12-3 Duplex Lift Station	Title changed from Triplex Lift Station - Dimensions and Elevations Table to Duplex Lift Station - Dimensions and Elevations Table
Standard Drawings	WW-12-4 Float Type Level Switch	Added NEW Detail Float Type Level Switch Installation (Typical)

### Authorization #6 - Amendments Effective October 3, 2015

Table of Contents	Section Name	Amendment Description
Standard Drawings	WW-12-5 Typical Lift Station HDPE Pipe Bracing	NEW Detail Drawing for Typical Lift Station HDPE Pipe Bracing

### Authorization #8 - Amendments Effective November 5, 2017

Table of Contents	Section Name	Amendment Description
USSM	Chapter 7, Supervisory Control and Data Acquisition (SCADA)	NEW Section 710: SCADA Specifications
Standard Drawings	WA-04-1 Fire Service Master Meter Assembly (Single Cross Connection Control Assembly)	Addition of spool piece, tee/restrained joint fittings, gate valve
Standard Drawings	WA-04-2 Fire Service Master Meter Assembly (Double Cross Connection Control Assembly)	Addition of spool piece, tee/restrained joint fittings, gate valve
Standard Drawings	WA-09-1 Master Meter Assembly (3" and larger) (Single Cross Connection Control Assembly)	Addition of spool piece, tee/restrained joint fittings, gate valve
Standard Drawings	WA-09-2 Master Meter Assembly (3" and larger) (Double Cross Connection Control Assembly)	Addition of spool piece, tee/restrained joint fittings, gate valve
Standard Drawings	WW-11 Duplex Lift Station (Typical) Site Plan	Adjust point of connection from master manhole to wetwell; include odor control system
Standard Drawings	WW-12-1 Duplex Lift Station Plan View	Odor control, emergency female quick disconnect coupling
Standard Drawings	WW-12-2 Duplex Lift Station Section View	Odor control system
Standard Drawings	WW-20-1 Duplex Pump Control Panel Site Layout	Site layout instead of front view of panel

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Standard Drawings	WW-20-3 Duplex Pump Conduit Schedules Block Diagram	New Detail Drawing
Standard Drawings	WW-22-1 Duplex Pump Electrical Legend	New Detail Drawing
Standard Drawings	WW-22-2 Duplex Pump Panel Enclosure Layout	New Detail Drawing
Standard Drawings	WW-22-3 Duplex Pump Electrical Panel Interior Layout	New Detail Drawing
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Standard Drawings	WW-22-8 Duplex Pump Electrical Power Schematics 230VAC, 3PH	New Detail Drawing
Standard Drawings	WW-22-9 Duplex Pump Electrical Power Schematics 460VAC, 3PH	New Detail Drawing
Standard Drawings	WW-22-10 Duplex Pump Electrical Schematics AC Control Wiring	New Detail Drawing
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Standard Drawings	WW-22-16 Duplex Pump Network Communication Diagram	New Detail Drawing

### Authorization #10 - Amendments Effective October 21, 2020

Table of Contents	Section Name	Amendment Description
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Standard Drawings	WA-01-3 Blow Off Valve (Above Ground) – Automatic	New Detail Drawing/configuration
Standard Drawings	WW-01-1 Doghouse Concrete Manhole	Deleted "Connection"
Standard Drawings	WW-14-2 Triplex Lift Station – Section View	Deleted "Duplex or" and "Above Ground Piping"
Standard Drawings	WW-20-1 Duplex Pump Control Panel Site Layout	Retitled to Lift Station Control Panel Installation
Standard Drawings	WW-20-2 Duplex Pump Junction Box Details	Deleted
Standard Drawings	WW-20-3 Duplex Pump Conduit Schedules Block Diagram	Deleted
Standard Drawings	WW-22-1 Duplex Pump Electrical Legend	Deleted
Standard Drawings	WW-22-2 Duplex Pump Panel Enclosure Layout	Deleted
Standard Drawings	WW-22-3 Duplex Pump Electrical Panel Interior Layout	Deleted
Standard Drawings	WW-22-4 Duplex Pump Enclosure Deadfront Layout	Deleted
Standard Drawings	WW-22-5 Duplex Pump Enclosure Deadfront Layout Details	Deleted
Standard Drawings	WW-22-6 Duplex Pump Enclosure Bill of Materials	Deleted
Standard Drawings	WW-22-7 Duplex Pump Nameplate Schedules	Deleted
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Standard Drawings	WW-22-13 Duplex Pump Electrical Schematics PLC Digital Inputs	Deleted
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