

**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**

<b>Table of Contents</b>	<b>Section Name</b>	<b>Amendment Description</b>
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**

<b>Table of Contents</b>	<b>Section Name</b>	<b>Amendment Description</b>
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**

<b>Table of Contents</b>	<b>Section Name</b>	<b>Amendment Description</b>
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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<b>Table of Contents</b>	<b>Section Name</b>	<b>Amendment Description</b>
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**

<b>Table of Contents</b>	<b>Section Name</b>	<b>Amendment Description</b>
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**

<b>Table of Contents</b>	<b>Section Name</b>	<b>Amendment Description</b>
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-20-2 Duplex Pump Junction Box Details	New Detail Drawing
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
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Standard Drawings	WW-22-4 Duplex Pump Enclosure Deadfront Layout	New Detail Drawing
Standard Drawings	WW-22-5 Duplex Pump Enclosure Deadfront Layout Details	New Detail Drawing
Standard Drawings	WW-22-6 Duplex Pump Enclosure Bill of Materials	New Detail Drawing
Standard Drawings	WW-22-7 Duplex Pump Nameplate Schedules	New Detail Drawing
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
Standard Drawings	WW-22-11 Duplex Pump Electrical Schematics AC Control Wiring	New Detail Drawing
Standard Drawings	WW-22-12 Duplex Pump Electrical Schematics DC Control Wiring	New Detail Drawing
Standard Drawings	WW-22-13 Duplex Pump Electrical Schematics PLC Digital Inputs	New Detail Drawing
Standard Drawings	WW-22-14 Duplex Pump Electrical Schematics PLC Digital Outputs	New Detail Drawing

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Standard Drawings	WW-22-15 Duplex Pump Electrical Schematics PLC Analog Inputs	New Detail Drawing
Standard Drawings	WW-22-16 Duplex Pump Network Communication Diagram	New Detail Drawing

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

<b>Table of Contents</b>	<b>Section Name</b>	<b>Amendment Description</b>
Standard Drawings	GR-29 Bollard (Typical)	New Detail Drawing
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
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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
Standard Drawings	WW-22-8 Duplex Pump Electrical Power Schematics 230VAC, 3PH	Deleted

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Standard Drawings	WW-22-9 Duplex Pump Electrical Power Schematics 460VAC, 3PH	Deleted
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Standard Drawings	WW-22-15 Duplex Pump Electrical Schematics PLC Analog Inputs	Deleted
Standard Drawings	WW-22-16 Duplex Pump Network Communication Diagram	Deleted
Standard Drawings	WW-23 Duplex Pump Control Schematic	Replaced with "This page is intentionally blank."
Standard Drawings	WW-24 Duplex Pump Enclosure	Replaced with "This page is intentionally blank."

**Authorization #12 - Amendments Effective November 27, 2022**

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