



## REVISIONS MADE TO THE WEB PAGE

This document lists the revisions to the WAS web page completed February 1, 2008. These documents have been reviewed and recommended by the Water Agencies' Standards (WAS) and/or the Water Agencies' Design Guideline (WADG) Committee(s), and as such, information contained within this document shall be regarded as current and accepted for use by the member agencies of the Water Agencies' Standards.

Please replace pages as needed to incorporate these new updates. It may be useful to verify your copy of the WAS or WADG is current by visiting the website and comparing your book with what is shown on the site. The complete WAS document is available (viewable and printable) directly from the WAS website at [www.sdwas.com](http://www.sdwas.com).

### VOLUME 1 DESIGN GUIDELINES

- Introduction
  1. **Table of Contents** - Updates Made.
  2. **Introduction** - Add reference to Santa Fe Irrigation District.
  3. **Signatory Agencies** - Add reference to Santa Fe Irrigation District and deleted Riverview Water District.
  
- Section 10, Sewage Pump Station Design
  1. **10.1, Sewage Pump (Lift) Station Design** - New Section.
  2. **10.2, Surge Control/Analysis** - New Section.
  
- Section 11, Corrosion Control
  1. **11.1, Corrosion Control** - New Section.
  2. **11.2, Corrosion Control Design** - New Section.

### VOLUME 2 STANDARD SPECIFICATIONS

- Section 1.0 Introduction
1. **Introduction** - Add reference to Santa Fe Irrigation District.
  2. **Signatory Agencies** - Add Santa Fe Irrigation District.
- Section 2.0 Standard Specifications
1. **Table of Contents** - Updates made.
  2. **Section 01000** - Add reference to Santa Fe Irrigation District in 1.05.
  3. **Section 01070** -
    - Add "RMWD" (Ramona Municipal Water District), "RSD" (Regional Standard Drawings), "SDWD" (San Dieguito Water District), "SFID" (Santa Fe Irrigation District), "WADG" (Water Agencies' Design Guide) and "WWR" (Welded Wire Reinforcement) to the list.
    - Deleted "RWD" (Riverview Water District) from the list.

4. **Section 02202** - Updated Reference Standards in 1.02.
5. **Section 02223** - Add 1.15 Filter Fabric section to describe when filter fabric is required.
6. **Section 03000** -
  - Add 3.02 O regarding reinforcing steel vs. welded wire reinforcement.
  - Rewrote 3.12 regarding placement of thrust blocks and anchor blocks. Design Engineer is responsible for thrust block sizing in accordance with WADG requirements.
7. **Section 03461** -
  - Add reference to incorporating a “pic-hole” into manhole cover in 2.03, A.
  - Add 2.03 A 1, regarding locking manhole frames and covers.
  - Add reference to standard drawings in 3.04 C.
  - Add 3.04 D 1, regarding installation of locking manhole frames and covers.
  - Clarified that concrete rings are required in paved and traveled areas only in 3.04 K.
8. **Section 03462** -
  - Eliminated reference to Section 11020 for consistency in 1.01.
  - Add valves and pipeline access to possible applications in 1.02.
  - Removed references to Type A and Type B vaults in 1.02.
  - Add SCADA equipment to list of vault accessories to 1.06.
  - Add reference to H-20 loading in 2.01 A.
  - Made sump requirements less specific and reference Approved Plans in 2.01 E.
9. **Section 11020** -
  - Eliminated word “PRECAST” in title – vault accessories shall be as specified in this section whether vaults are precast or cast-in-place.
  - Made 1.01, 1.04 and 2.01 less specific regarding Type B vaults, eliminating reference to Type B vaults.
10. **Section 13110** - Eliminated reference to concrete slab and made reference to Standard Drawings in 3.01.
11. **Section 15000** - This section received a complete rewrite with many things changing. Listed below are some of the highlights of changes made.
  - Relocated information regarding materials and execution in 1.05 to Parts 2 and 3.
  - Modified last sentence of 1.06 to conform with language in Appendix D.
  - Rewrote the first sentence and removed 2nd paragraph in 1.07.
  - Rewrote 1.08 C.
  - Rewrote 1.12 to clarify the difference between 2” valves and larger valves.
  - Rewrote 1.13 A and remove 1.13 B.
  - Relocated language from 2.05 to 1.16.
  - Removed 2.04 second paragraph re splined gaskets.
  - Changed 2.05 title from Field Touch-Up Applications to “Field Repair of Damaged Coatings.”
  - Moved 2.05 to 1.16.
  - Rewrote 2.06 A.
  - Rewrote entire Section 2.10.
  - Reorganize Section 2.11 to differentiate between 2” valves and larger valves.
  - Add meter box for dual domestic/fire water service per to conform to WS-09 in 2.12.
  - Add language to restore surfaces to 3.01 G.
  - Rewrote 3.01 H to better define Contractor’s obligations.
  - Changed “high line” to “temporary piping” in 3.02 second paragraph.
  - Rewrote entire Section 3.05.
  - Add “in a star pattern” to 3.06 C
  - Integrated 3.06 F into 3.06 A.

- Revised wording and reference Approved Drawings and Field Record drawings in 3.09 D.
  - Revised wording re installation in a conduit in 3.09 E.
  - Eliminated reference to “Progressive Electronics 77M tone generator” in 3.09 G.
  - Changed title of 3.10 from Gate Wells and Valve Stem Extensions to “Gate Wells” and remove language regarding valve stem extensions.
  - Removed 3.10 C.
  - Created 3.11 Valve Stem Extensions detaching language from 3.10.
  - Clarified wording and differentiate between valves 50mm (2”) and smaller and valves 100mm (4”) and larger in 3.11.
  - Clarified wording in 3.13 B.
  - Eliminated 3.13 D.
  - Made major rewrites to 3.14 and eliminated references to removal of pipelines, which will be moved to 3.15.
  - Created 3.15 detaching and rewriting language from Section 3.14.
  - Eliminated 3.16 A and rewrite remainder of section.
  - Rewrote 3.17 and reorganize section.
12. **Section 15044** - Rewrote 3.02 B, to coordinate for AWWA C-900, CL305 (DR-14) pipe, indicating hydrostatic test pressure shall be 345 KPa (50 psi) above the class rating of the pipe, or 1,725 KPa (250 psi), whichever is less.
13. **Section 15064** –
- Changed 1.04 B 3 from 16” to 14” as a minimum size for C905 PVC pipe.
  - Removed 1.04 B 4.
  - Rewrote 1.06 C regarding pipe markings.
  - Moved 1.06 D to 2.01 under 2.01 A.
  - Eliminated 1.06 E.
  - Rewrote 1.07 and reorganize section.
  - Moved the last sentence of 1.12 A to 1.06 C and combined 1.12 A and B together.
  - Changed 2.01 B from AWWA C900, Class 200 to “AWWA C900, Class 305”.
  - Changed 2.01 C from 16” to 14” as a minimum size for C905 PVC pipe.

### **VOLUME 3     STANDARD DRAWINGS**

1. **Table of Contents** - Updates made.
2. **WF-05 (1 of 2)** - Add “with Lid” to Item #3. Changed Item #17 from ¾” Bypass, Meter & Double Check Valve or RP Device to “¾” Bypass, Meter & RP Device”.
3. **WF-05 (2 of 2)** - Changed Note #6 from 36” Maximum to 24” Maximum”.
4. **WR-01** - Add “No connection of any kind will be permitted in this area, inspection required prior to backfill” to Note #5.
5. **WR-02** - Add “No connection of any kind will be permitted in this area, inspection required prior to backfill” to Note #4.

### **VOLUME 4     APPROVED MATERIALS LIST**

No updates at this time.

**VOLUME 5 APPENDICES**

- Water Agencies' Standards
  1. **Appendix B Revisions** - Add Santa Fe Irrigation District.
  2. **Appendix C Revisions** - Add Santa Fe Irrigation District.

- Water Agencies' Design Guideline

No updates at this time.

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