



**Irvine Ranch  
Water District**

February 27, 2025

**Attention: IRWD Construction Manual Holders**

**Subject: IRWD Construction Manual 2025**

This letter provides notice of revisions made to the Irvine Ranch Water District (IRWD) Construction Manual. IRWD made modifications to several of the Standard Drawings and General Technical Specifications.

Holders of IRWD's Construction Manual (Standard Drawings and General Technical Specifications) should completely replace the 2024 Construction Manual with the 2025 Construction Manual.

The latest Standard Drawings and General Technical Specifications can be accessed by going to <http://www.irwd.com>, clicking "Engineering" under the "Business" tab. At the "Engineering" page, the "Construction Manual" link can be selected. You can also select or type in the address below:

Construction Manual:

<https://www.irwd.com/images/pdf/doing-business/engineering/2025/IRWDConstructionManualFeb2025.pdf>

Numerous minor changes to the Standard Drawings are included in the Construction Manual Update. Substantive changes include the following:

**All Drawings**

- Added "Not to Scale" in the Title Block.

**W-8 – Fire Hydrant**

- Added Hydrant Check Valve detail.

**W-22 – Valve Box**

- Revised Note 5: Existing valve cans and lids raised to grade shall be removed and replaced with new, set, and painted per IRWD Std. Spec. Section 15100.

**CP-5 – Cathodic Protection Rectifier and Shunt Panel**

- Sheet 2: Updated Item notes 3, 4, 8, 12, 13, 14, 16, 17, 18, 19, and 21.

**GP-5 – Vault Ladder**

- Added Double Handrail detail.

**GP-10 – Concrete Slope Anchors**

- Revised Note 1: Anchors shall be required for pipe slopes exceeding 33% ( $S > 0.33$ ) in unpaved conditions.

Minor changes to the General Technical Specifications are included in the Construction Manual Update. A list of the updated sections is shown in the table below. A track changes version of the updated specifications is available upon request.

<b>Construction Manual</b>		
<b>Specification No.</b>	<b>Description</b>	<b>Revision Date</b>
03300	Concrete	02/27/2025
03345	Concrete Finishing, Curing, and Waterproofing	02/27/2025
05120	Structural Steel and Miscellaneous Metalwork	02/27/2025
09900	Painting and Coating	02/27/2025
15057	Copper Pipe and Fittings	02/27/2025
15139	Hydrants	02/27/2025

If you have questions or suggestions for revisions to the Construction Manual, please contact Belisario Rios, Chairman of the Standard Specifications and Drawings Committee, at (949) 453-5394 or [rios@irwd.com](mailto:rios@irwd.com).

Sincerely,

*Kevin L Burton*

Kevin L. Burton, P.E.  
Executive Director of Technical Services

KB/BR/ds