

2026 CFPUA PROPOSED STANDARD REVISIONS (DRAFT)

TECHNICAL SPECIFICATIONS

DATE 9/18/2025

Section	Paragraph	Proposed Change for 2026	Description	*Cost Impact
33 05 13	Precast Concrete Manholes & Utility Structures (3.3 Installation)	Remove 12' in depth and greater polymer MH requirement. (Polymer concrete manholes are still required at the first manhole upstream of a wet	Revision	Decrease
	Precast Concrete Manholes & Utility Structures (3.3 Installation)	Added for clarification, this was previously noted in the standard detail but is now being added to the Tech. Specs for consistency: <u>The first upstream manhole of a pump station wet well shall be constructed of polymer concrete.</u>	Clarification	No Change
02 41 00	Demolition (1.5 Submittals)	Add requirement for a waste removal plan. Plan shall include material type and estimated quantity taken from facility.	Revision	No Change
33 14 13	Water Distribution Piping, valves, hydrants, and Appurtenances (1.9 Warranty)	Edit: Furnish 10 Year manufacturers warranty for <u>gate</u> valves. Add: <u>Furnish 2-year manufacturers warranty for butterfly and check valves.</u>	Revision	No Change
33 31 23	Sanitary Sewer Force Mains, Valves and Appurtenances (1.9 Warranty)	Edit: Furnish 10 Year manufacturers warranty for gate valves. Add: <u>Furnish 2-year manufacturers warranty for plug, butterfly and check valves.</u>	Revision	No Change
26 32 13	Standby Generator (1.11 Service Contract)	Added Clarification for service contract maintenance requirements.	Clarification	No Change
43 21 39	Submersible End Suction Pumps (2.1 Pumps)	Added Liberty Pumps as an approved manufacturer.	Revision	Decrease

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STANDARD DRAWING DETAILS

DATE 9/18/2025

Drawing	Title	Proposed Change for 2026	Description	*Cost Impact
W-1	Single Water Service Connection - Short Side	Added ditch crossing to detail to include bury depth below ditch line as 24" minimum. Add tapping saddle on pipe. Remove #2 Note.	Revision	No Change
W-2	Single Water Service Connection - Long Side	Added ditch crossing to detail to include bury depth below ditch line as 24" minimum. Added Pneumatic bore depth note. Add Tapping Saddle on pipe. Remove #2 Note.	Revision	No Change
WS-6	Tracer Wire	Added water service and meter box to detail.	Revision	No Change
WS-10 A	Pressure Main Ditch Crossing	Created a new detail for pressure pipe crossing a ditch.	Addition	No Change
WS-10B	Pressure Main Storm Drain Crossing	Created a new detail to represent a pressure main and storm drain crossing	Addition	No Change
LP - 4	Typical Residential Grinder Pump Station Location	Added a note to install a pull out disconnect between the house breaker and grinder pump panel.	Clarification	No Change
EM-3	Fiberglass Grease Interceptor	Changed detail title to "Non-Concrete" Grease Interceptor. Removed notes #2 & #3	Revision	No Change
PS-E11	Portable Generator Connector Schedule	Remove the 100 Amp Meltric plug from detail.	Revision	No Change

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MATERIAL SPECIFICATION MANUAL

DATE 9/18/2025

Section	Titile	Proposed Change for 2026	Description	*Cost Impact
A 1	PVC Pipe - Schedule 40	Remove "Restrictions" wording and Remove "water lines" from MSM.	Revision	No Change
A 6	Ductile Iron Pipe / Push-On Joint	Remove cement mortar lining and asphaltic coating requirement" simply refer to AWWA C104	Clarification	No Change
A 6.1	Ductile Iron Pipe / Flange Joint	Remove cement mortar lining and asphaltic coating requirement" simply refer to AWWA C104	Clarification	No Change
A 6.3	Ductile Iron Pipe / Restrained Push On Joint	Merge previous A6.1 & A6.2 details. Remove TRFLEX product and replace with HDSS. increase the pipe size through 48”, add American Cast Iron to the approved manufacturers, replace the current MSM photo.	Revision	No Change
A 6.2				
B7	Brass Fittings / Misc.	Add Manufacturer: Lansdale Valve and clarified that brass fittings are for potable water use only.	Revision	Decrease
D 1.1	Valves Resilient Seat 2" thru 12" MJ X MJ	Add Manufacturer: EJ - MJ-MJ RW 316 SS Hardware	Revision	Decrease
E1	Fire Hydrants	Add Manufacturer: EJ - 5CD250 WaterMaster	Revision	Decrease
F 1	Service Saddle, Brass Alloy / Hinged Type / 2"PVC	Remove hinged saddle restriction.	Revision	No Change
O 6.3	CIP Manhole Liner / Sanitary Sewer	Created MSM for CIP Manhole Liners	Addition	Decrease
N/A	DIP Pipe & Fittings	Remove the requirement that all DIP pipe and fittings exterior be coated with Zinc coating.	Revision	Decrease

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2026 CFPUA PROPOSED STANDARD REVISIONS (DRAFT)
DESIGN MANUAL
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Section	Paragraph	Proposed Change for 2026	Description	*Cost Impact
II	Water Facilities Design Criteria - 2. Pipe Design - D	Added for clarification as NCDEQ requires 30" minimum cover: <u>Deviations where water mains are installed with less than 30 inches of cover must be approved by NCDEQ and CFPUA on a case-by-case basis.</u>	Clarification	No Change
	Water Facilities Design Criteria - 10. Connections to Existing Facilities - C	Added for clarification as NCDEQ required two valves at a tee: <u>If the tap size required is the same size as the main being tapped, a cut-in MJ tee and branch valve will be required. A main line valve shall also be installed at the cut-in MJ tee in addition to the branch valve. The main line valve shall be installed as directed by CFPUA.</u>	Clarification	No Change
III	Wastewater Facilities Design Criteria - 2. Gravity Mains - F	Edited to remove the struck through sentence: Gravity sewer shall generally be designed with the invert no deeper than 12 feet below the ground surface and never deeper than can be safely installed and maintained with two stacked 8-foot trench boxes without Authority approval prior to design .	Revision	No Change
	Wastewater Facilities Design Criteria - Pumping Stations - 1. J	Added for clarification, this was previously noted in the standard detail but is now being added to the Design Manual for consistency: <u>The first upstream manhole of a pump station wet well shall be constructed of polymer concrete.</u>	Clarification	No Change
	Wastewater Facilities Design Criteria - Low Pressure Sewer Systems -2. - C	Added: <u>Force main extensions may be required in lieu of long-side force main connections as determined by CFPUA.</u>	Addition	Uncertain
	Water Facilities Design Criteria - 4. Service Connections - I	Edited: A minimum of 10' of main line, 5' upstream and 5' downstream shall be replaced for new sewer service connections to existing vitrified clay piping (VCP) gravity sewer mains. As an alternative, CFPUA may approve a saddle tap per the CFPUA VCP tap procedure. This procedure outlines the necessary steps for tap installation within CFPUA's guidelines. Initially, a pre-installation CCTV inspection of the main line is required. The findings will require CFPUA review and approval.	Clarification	No Change
	Wastewater Facilities Design Criteria - 8. Manholes - Connections to Existing System	<u>Relocated all noted items to the applicable Design Guide section (Manhole or Service Connections)</u>	Revision	No Change

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