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February 8, 2012

Mr. Wes Weaver, President  
Weaver Construction Management, Inc.  
3679 South Huron Street, Suite 404  
Englewood, CO 80110

*Via Email to: wes@weavergc.com*  
*No Hard Copy to Follow*

Re: Harold D. Thompson Regional Water Reclamation Facility (HDTRWRF)  
Lower Fountain Metropolitan Sewage Disposal District (LFMSDD)

Dear Wes:

Reference is made to your shop submittal identified as follows:

Submittal No.:	15400-005
Date of Submittal:	January 20, 2012
Title:	Plumbing Fixture Schedule for Equipment & Maintenance Building and Storage Building
Specification Section:	15400 - Plumbing
Manufacturers:	Woodford Manufacturing Company; AS America Inc.; Conbraco Industries, Inc.; Elkay SSP, LLC; Fiat; Church Seats; Rheem Water Heating; Amtrol; Firebaugh Precast, Inc.; Deeter Foundry, Inc.

The referenced submittal has been stamped "**No Exception Taken**", "**Rejected**" and "**Revise and Resubmit**". Our comments are as follows:

1. Woodford Manufacturing Company:
  - a. Model 67 Backflow Protected Automatic Draining Freezeless Wall Hydrant: **Rejected**
    - 1) This wall hydrant is not suitable for the hose bibs needed for this facility. See Note 1.d. below.
  - b. Model 24/B24/&24 Anti-Siphon Wall Faucets: **Rejected**
    - 1) This model of wall faucet will not work at the designated location for this facility. See Note 1.d. below.
  - c. Wall Box: **Rejected**
    - 1) The wall box should not be needed.

- d. In lieu of the Model 67 and Model 24 faucets, we recommend the following general piping configuration be used:
  - Schedule 80 tee
  - Short nipple
  - 1" x ¾" reducer
  - Hammond Model 710 boiler drain
2. AS America Inc. (American Standard):
  - a. Declyn™ Wall-Hung Lavatory: **No Exception Taken**
  - b. Reliant® 3 Single Control Lavatory Faucet, Model 7385.004 Single Control Centerset: **No Exception Taken**
3. Conbraco Industries, Inc., Apollo Valves Model RP40/RP40N/RP40Z Reduced Pressure Principal Backflow Preventer: **Revise and Resubmit**
  - a. We take no exception to the use of the Model RP40 standard backflow preventer.
  - b. We request a Y-strainer be included with the backflow preventer.
  - c. We take no exception to the 1-inch size proposed for installation.
  - d. We take no exception to the use of ball valves to isolate the backflow preventer.
  - e. We request a fabricated/manufactured drain catch pan to capture the discharge from the valve.
  - f. Revise and resubmit, including the model, all options and the drain catch pan with piping to be included with the backflow preventer.
4. Elkay SSP, LLC 14" Standard Series Sinks, Model 14-1C18X24-0X: **Revise and Resubmit**
  - a. We take no exception to the Elkay SSP, LLC product.
  - b. No exception is taken to the dimensioning and size of the sink submitted.
  - c. The design basis has stainless steel legs and feet. The proposed sink has galvanized legs and feet. Please revise and resubmit with a sink, which may be the Elkay SSP, LLC product, with stainless steel legs and feet. If there is a significant difference in price, please provide the quotation difference between the two sinks.
5. AS America Inc. (American Standard) Heritage/Amarilis Two-Handle Wall-Mount Sink Faucet with Brass Gooseneck Spout, Model 7293.152 Wall-Mount Sink Faucet: **No Exception Taken**
  - a. It is our understanding this faucet will be used at the 14-inch deep utility sink.

6. Fiat Molded Stone<sup>®</sup> Mop Service Basins, Model MSB-2424 and Optional Equipment: **No Exception Taken**
  - a. We take no exception to the Model MSB-2424.
  - b. We take no exception to the optional equipment identified including:
    - 1) Model 830 AA wall mounted service faucet with appurtenances
    - 2) Model 889 CC mop bracket
    - 3) Stainless steel wall guards
    - 4) Model 832 AA hose and bracket
7. AS America Inc. (American Standard) Cadet<sup>®</sup> 3 Right Height<sup>™</sup> Elongated Toilet-Vitreous China, Model 2386.012: **No Exception Taken**
8. Church Seats Commercial Plastic Seats, Model 295CT, Color White, with 298SSCT Hinge: **No Exception Taken**
9. Rheem Water Heating Professional<sup>™</sup> Powered Damper Gas Water Heater, Model PRO40E2: **Revise and Resubmit**
  - a. We take no exception to the Rheem product.
  - b. The specification requires an insulated, glass-lined tank. No mention is made of the tank lining in the shop submittal.
  - c. The relief valve is to be piped to the floor. The shop submittal indicates a relief valve at the upper portion of the tank. We request assurance be provided the relief valve piping will be extended to the floor.
  - d. It appears this model is certified up to 6,000 feet in elevation. Our site is slightly lower than 6,000 feet; however, the 6,000 foot elevation maximum is being pushed. We request other options of a similar model be considered that are certified to a higher elevation.
  - e. There is an electrical component to the water heating system for the magnesium anode rod design incorporated into the tank. Are other models available that do not have the electrical component tied to the rust resister?
10. Amtrol THERM-X-TROL<sup>®</sup> Thermal Expansion Absorbers, ST-Series (Non-ASME) 150 psig Working Pressure, Model ST-5: **No Exception Taken**
11. Firebaugh Precast Inc. 1500 Gal. Sand/Oil Interceptor (Traffic Rated): **No Exception Taken**
  - a. We take no exception to the proposed sand/oil interceptor as shown. A comment on the WCMI comments letter in this shop submittal states, "None if it's dimensions match the sizing chart shown on drawing sheet EM-9." The dimensioning for the 1500 gallon sand/oil interceptor shown on the Construction Drawings was taken from another supplier of a sand/oil interceptor and the dimensions differ.

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- b. Please be aware that the discharge waste already installed out of the building must match the piping configuration in the vault.
- c. The dimensioning of the vault is not critical; however, the capacity of the vault is critical.
- d. Concrete manhole collars should be placed on the top of the tank extending to the ground surface to accommodate the manhole ring and cover. The extensions from the vault to the ground surface must be watertight and concreted in place as necessary. If there is an intermediate joint, an elastomeric joint wrap similar to that specified for the manholes must be installed to provide for a watertight installation.

12. Deeter Foundry, Inc. #1256-B Manhole Ring and Cover: **No Exception Taken**

Please call if you should have any questions.

Sincerely,



David R. Frisch, P.L.S.

DRF/kmw

ec (letter only):

Mr. Jim Heckman, Manager, LFMSDD, [lfmanager@lfmsdd.org](mailto:lfmanager@lfmsdd.org)

Ms. Cindy Murray, Office Manager, Fountain Sanitation District, [fsdistrict@fsd901.org](mailto:fsdistrict@fsd901.org)

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Mr. Tyler Ammerman, Weaver Construction Management, Inc., [tammerman@weavergc.com](mailto:tammerman@weavergc.com)

Ms. Leslie Brown, Weaver Construction Management, Inc., [leslie@weavergc.com](mailto:leslie@weavergc.com)

cc: Mr. Jerry Miller, Resident Project Representative, GMS, Inc.