



WEAVER CONSTRUCTION MANAGEMENT, INC.

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SUBMITTAL TRANSMITTAL

September 29, 2011

WCM Submittal No: 11321-001.A

PROJECT: **Harold Thompson Regional WRF**
Birdsall Rd.
Fountain, CO 80817
Job No. 2908

ENGINEER: **GMS, Inc.**
611 No. Weber St., #300
Colorado Springs, CO 80903
719-475-2935 Roger Sams

OWNER: **Lower Fountain Metropolitan
Sewage Disposal District**
901 S. Santa Fe Ave.
Fountain, CO 80817
719-382-5303 James Heckman

CONTRACTOR: **Schloss Engineered Equipment, Inc.**
10555 E. Dartmouth Ave., Suite 230
Aurora, CO 80014
303-695-4500 Linda Wood

SUBJECT: Resubmittal for Grit Separator Equipment

SPEC SECTION: 11321 - Grit Separator Equipment

PREVIOUS SUBMISSION DATES:

DEVIATIONS FROM SPEC: ___ YES X NO

CONTRACTOR'S STAMP: This submittal has been reviewed by Weaver General Construction and approved with respect to the means, methods, techniques, & safety precautions & programs incidental thereto. Weaver General Construction also warrants that this submittal complies with contracted documents and comprises on deviations thereto:

Contractor's Stamp:

Engineer's Stamp:

Date: 9/29/11

Reviewed by: H.C. Myers

(X) Reviewed Without Comments

() Reviewed With Comments

**ENGINEER'S
COMMENTS:** _____

RESUBMITTAL COMMENTS

HAROLD D. THOMPSON REGIONAL WATER RECLAMATION FACILITY
FOUNTAIN, COLORADO

ENGINEER: GMS, INC.
CONTRACTOR: WEAVER GENERAL CONSTRUCTION

SPECIFICATION SECTION 11321 – GRIT SEPARATOR EQUIPMENT

SCHLOSS ENGINEERED EQUIPMENT, INC.
PROJECT NO. 1757-11

Schloss Engineered Equipment, Inc. (SEE) is resubmitting on one (1) Type 12SW-CL grit classifier with cyclone for the above referenced project. Included with this resubmittal is a revised general arrangement drawing. The following comments are furnished in direct response to the Engineer's comments on the previous submittal and subsequent conference call with Mr. Roger Sams with GMS, Inc.

1.a By contractor.

1.b Actually, a direct connected drive requires much less maintenance and gear replacement than a v-belt drive. The direct connection between the motor and reducer eliminates overhung load due to the sheaves and v-belt connection, thereby extending the life of the reducer bearings. In addition, the v-belt is the fastest wearing item and is eliminated with a direct connection.

2. As previously submitted, the spray nozzle can spray grit off the screw, so SEE doesn't recommend a spray nozzle. Additional wash water is optional. The water connection is designed to allow the water to trickle down the side of the trough to break up the grit dead bed if the dead bed seals against the screw and causes the screw to convey too much water to the discharge. Furthermore, additional water can be added to dilute the water in the tank if necessary to minimize hindered settling.

3. By contractor.

4. The materials are listed on the material list on General Arrangement Drawing 1757-11-C1. For clarification, SEE has revised the material designation HRS (hot rolled steel) to A36.

5. Please refer to comment 2.

6. Please refer to comment 1.b.

7. By contractor.

8. By contractor.

9. The only seals and gaskets for the grit classifier are in the speed reducer. Therefore, SEE will provide one spare set of seals and gaskets for the speed reducer.

10. Confirmed.

11. Typically, start up of the grit equipment takes 1-2 days. Since Fountain is so close to SEE headquarters in Aurora, additional visits will be made if necessary. This worked well for the existing grit equipment SEE previously provided to Fountain.

12.a. Skirt board for grit discharge to be by contractor to fit.

12.b. The grit classifier can be mounted on a concrete pad per the contractor and engineer. SEE has revised General Arrangement Drawing 1757-11-C1 to reflect the requested discharge elevation.

12.c. The location of the support leg of the grit classifier has been revised. Please verify dimensions shown on General Arrangement Drawing 1757-11-C1.

12.d. The note refers to the skirt board and was only noting the nominal discharge height. SEE apologizes for the confusion.

12.e. The side elevation has been revised.

12.f. By contractor.

Contractor to verify voltage and all dimensions.

9/29/11

