

WEAVER CONSTRUCTION MANAGEMENT, INC. 3679 S. Huron St., Suite 404 Englewood, CO 80110 Phone: (303) 789-4111 FAX: (303) 789-4310

SUBMITTAL TRANSMITAL

January 16, 2012 Submittal No: 05500-005.C

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: Rocky Mountain Railings 11839 E. 51st Ave. Denver, CO 80239

SUBJECT: SSI - Response to review comments in submittal 05500-005.B. WCM Comments letter, RMR Comments letter and Sheet D-1

SPEC SECTION: 05500 - Metal Fabrications

PREVIOUS SUBMISSION DATES: 12/15/11

DEVIATIONS FROM SPEC: ____ YES X NO

CONTRACTOR'S STAMP: This submittal has been reviewed by WCM 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: 1/16/12 Reviewed by: H.C. Myers (X) Reviewed Without Comments () Reviewed With Comments	
ENGINEER'S COMMENTS:	



Project: HDTWRF Project

Location: Fountain, CO

Supplier: Rocky Mountain Railings

Date: 1/16/12

Submittal Review Comments 05500-05.C Handrail

- 1. Rocky Mountain Railing's response to 05500-05.B review comments attached.
- 2. Rocky Mountain cannot replace the top "Tee" connection of the clarifier handrail system with a 'cross'. They are proposing a continuous rail 4' above the top rail, see attached Drawing D-1 Section E/D-1.



ROCKY MOUNTAIN RAILINGS

January 16, 2012

Weaver Construction 3679 S. Huron St. Ste. 404 Englewood, CO. 80110

Re: Harold D. Thompson W.R.F. - Fountain, CO. Subject: Response Letter - R3

This is Rocky Mountain Railings response to GMS, Inc. review comments.

Comment #1

No exception is taken to the shop submittal response; however, the following comment addresses additional requirements not previously noted.

Response #1

Instead of just providing end caps at the top of the post at the standard 3'-6" height we can provide a post that extends 4'-0" past the top rail of the hand rail and then place the end cap so that you can achieve the protection you are needing.

Comment #2

The Owner requests the tees placed at the top of the handrail at each post around the clarifier be replaced with a cross. The top of the cross is to be capped with a watertight plug to preclude moisture getting into the post tubing.

Response #2

The crosses you mention is not a component that we have or can provide. The detail that we are providing shows the standard post extending 4'-0" past the top rail with an end cap on top.

Comment #3

The radius of the handrail is approximately 30'-8". We request the supplier / manufacturer provide a statement indicating the deflection at each post meets the manufacturer's recommendations for installation of handrail around a 30'-8" radius and indicate whether the design calculations apply to a handrail installed in this manner.

Response #3

Radius or not the calculations are done based on post height / anchors / and design loads. The calculations that we submitted to you were exactly what your specifications called for regarding rail height / appropriate anchors / and proper design loads. The calculations clearly show a maximum or 6'-0" c/c post spacing which is larger than the approximate max of 5'-10" that we are showing on the drawings.

Sincerely, Daniel Brown Rocky Mountain Railings dbrown@rockymountainrailings.com

