

INSIDE THIS ISSUE OF WORLD FENCE NEWS

Fencer's Field Report • Dealing with property boundary issues, by Jim Lucci
New ASTM chain link fence spec has Homeland Security applications • Minimizing conflict
The "10 truths" of bid day • Three easy steps to a sure sale, by Tom Luby

WORLD FENCE NEWS

NEWS FROM THE WORLD OF FENCING, ACCESS CONTROL AND SECURITY • FEBRUARY 2007

Hercules Fence, headquartered in Manassas Park, Va., recently completed an extensive security fencing project at the Frederick Griffith water treatment plant in Lorton, Va., a \$200 million facility which began operation in 2006.

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**- Tim Buttrum
Project manager
Hercules Fence**

expense in making sure that the facility is secure at all times," said Tim Buttrum, who managed the project for Hercules Fence. The fence and gate installation was performed for Modern Continental South, a large general contractor based out of Pelzer, S.C.

All of the panels and posts were manufactured by the Monumental Iron Works division of Master Halco, and are the Imperial E design, said Buttrum.

Each individual post is 6" x 6" with a 3/8" thick wall that is filled with rebar-strengthened concrete.

"The footers for the posts are massive," said Buttrum. "At each location, the footers are continuous, measuring five feet in width and five feet in depth. A total of 546 lineal feet of the 8-foot-

Fence contractor goes the distance to fulfill security requirements at Virginia water treatment plant



Shown above is a portion of the 546 lineal feet of 8-foot-high Monumental Iron Works ornamental steel fencing which was required on the job. At left, security was the name of the game on this project, as evidenced by the 12-inch diameter concrete-filled bollards which help protect the slide gate installations. Shown below right is one of two steel cable reinforced swing gates. These units were mounted on 10-inch square posts. Hercules Fence also installed some 579 lineal feet of 16-foot-high mini-mesh chain link on the roofs of three buildings to close off the buildings and to keep birds from accessing them through the roof. See more photos and text on page 20. (Photos courtesy Hercules Fence)

high Monumental panels was installed. Also installed were four crash resistant vehicular slide gates and two vehicular swing gates.

"The beams that reinforce the slide gates are 12 inches wide and weigh 53 pounds per foot. Also reinforcing the slide gates are two 12-inch diameter concrete-filled bollards. Each slide gate is actuated by a Sentex SL580 slide gate operator, and the swing gates are reinforced with two strands of 5/8" diameter steel cable and are hinged on 10" square posts," he added.

Hercules Fence also installed 16-foot-high mini-mesh chain link fence on the roofs of three buildings at the water treatment plant.

The purpose of this fence was to keep birds from accessing the buildings through the roofs, Buttrum noted.

The company installed 579 lineal feet of the "bird proof" fence. Posts measuring 3" x 3" x 5/16" were welded to the W12 x 26 beams that were installed by the general contractor. Steel angle measuring 3" x 3" x 1/2" was used for horizontal bracing. The mesh is 5/8", 11 gauge core with a black thermally fused finish. Hercules Fence also provided about 5,000 lineal feet of 7' + 3BW driven temporary fence and secured the rest of the site with 7' high black vinyl chain link fence with top, center, and bottom rail.

"Instrumental in the development of the project was myself and my partner, Jeff Lundy," said Buttrum. "Paul Eff with Master Halco was instrumental in getting his product specified, and

continued on page 20



Imposing is one way to describe the vehicular crash resistant slide gate system shown in the photo above. It is one of four such slide gate installations at the Frederick Griffith water treatment plant in Lorton, Va. The steel reinforcing beams on the gate are 12 inches wide and weigh 53 pounds per foot, the company reports.



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Griffith water treatment plant

continued from page 1

was very helpful throughout the installation process. Denton Baker with Mid-Atlantic Entry Systems worked very hard on the operator systems. As the total duration of the project was just over six years, and our part was about six months long, this was a very intense project and it wouldn't have gone as smoothly as it did without Mark Reed, engineer for Modern Continental South," he added.

"This was a very detailed project that showcased many different fence styles, each with their very unique and specific method of installation," said Evan Winston, vice-president of Hercules Fence. "Jeff Lundy was instrumental in assisting the contractor and owner with the design of the bird screen fence, while both Jeff and Tim Buttrum were very active throughout the entire installation as hands-on project managers. Additionally, this job could not have been pulled off without the overall supervision and quality control from Hercules assistant manager Bob Buttrum. This project exemplified the teamwork required to pull off a very detailed and complicated job, and all involved deserve a lot of credit."

Hercules Fence has been in business since 1955 and is the largest fence company in Virginia, with four branches in Virginia, one in Maryland and one in North Carolina.

For more information on Hercules Fence, write to 8194 Euclid Ct., Manassas Park, Va. 20111, or call 703-551-2609 or fax 703-361-2127.



Shown above is another stretch of the fenceline. Unseen are the massive footers which anchor the fence. These were backfilled with dirt and are not visible. (Hercules Fence photos)



Above, Sentex SL580 operators power the four slide gates on the project. Shown below is a portion of the 579 linear feet of 16-foot-high mini-mesh chain link which was installed on the roofs of three of the buildings to keep birds out.



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