



GRIT LINES



PROJECT: King County South Treatment Plant
OWNER: King County
APPLICATION: Intake lines for sewage treatment plant

THE CHALLENGE: Find fittings as rugged and strong as steel with superior flow and abrasion resistance.

THE SOLUTION: High Density Polyethylene ARC* Sweep Bends manufactured by Pipestar International Inc. not only lasted longer in service than the steel fittings they replaced, they also required less maintenance.

COMMENTS: We chose HDPE Pipe as a replacement for our aging Carbon Steel Grit Lines. The advantages were seen as lower cost, longer life, and lighter weight. Weight can be a considerable factor when the lines have to be disassembled for cleaning. We selected the Pipestar Sweep Bends because they maintain internal diameter without de-rating the pressure capability of the system and the smooth radius would be less likely to promote plugging. After three winters of testing, the trial installation has yet to require unplugging or repair of any kind. We are in the process of replacing the entire Grit system with HDPE pipe and Pipestar Sweep Bends.

**Lou Broadhed,
King County WID
South Plant Engineer IV**

**CONTACT
INFORMATION:**

For a listing of distributors in your area contact Pipestar International at 204-949-3910 or visit our website at www.arcbends.com

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