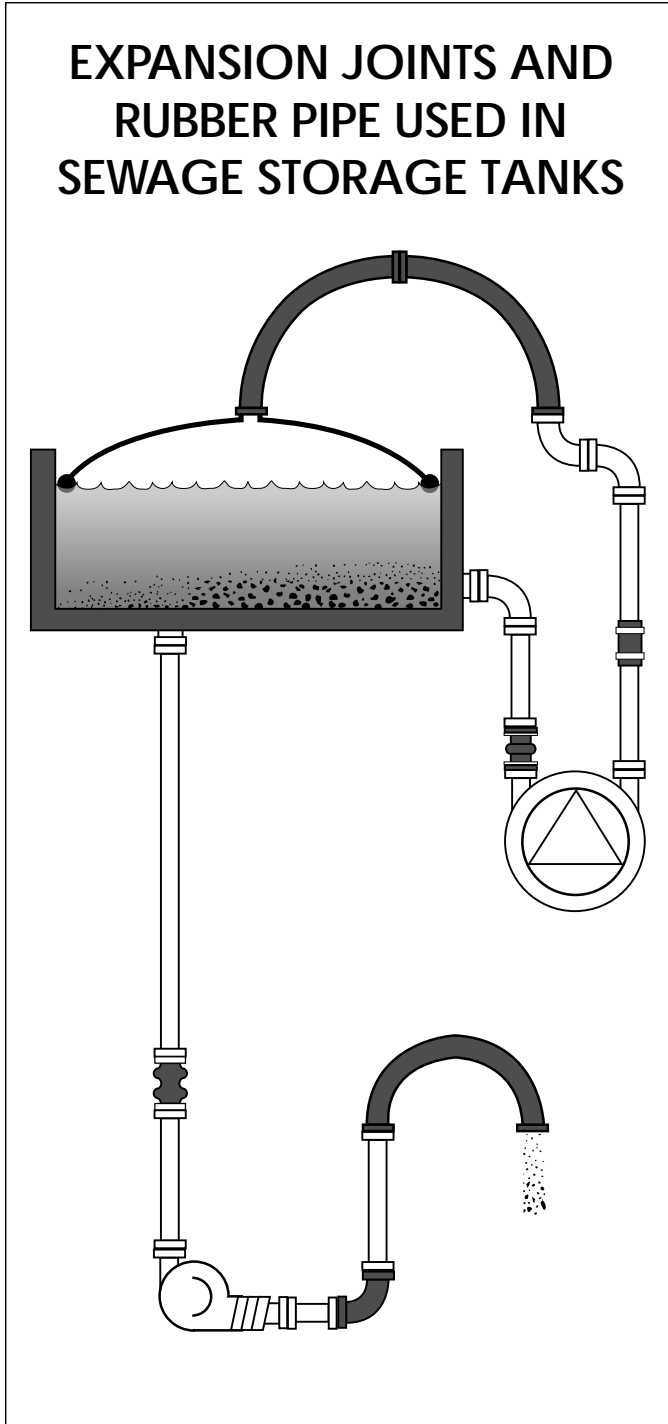


# Application Data

Sewage ♦ Storage Tanks ♦ Redflex™



## EXPANSION JOINTS AND RUBBER PIPE USED IN SEWAGE STORAGE TANKS



Consultants take advantage of Redflex rubber pipe and fittings to allow design flexibility. The diagram to the left, of an aeration sewage system, is one example of where Redflex products are used.

The floating cover on the aeration basin is connected with Redflex rubber pipe. The B-1 flexible pipe moves with the cover as it changes level with variations in sewage flow.

Air blowers make extensive noise and the discharge is very hot. Special Redflex J-1 High Temperature Butyl expansion joints are designed for this service. Noise reduction over 20 decibels is possible. The inlet side is connected with Redflex S-50 clamp-on joints. They are inexpensive, but are engineered to meet the operating requirements of the blower.

Sludge pumps are connected with the unique Redflex D-30 expansion joint. Stress from ground settlement or pipe and pump misalignment is relieved by the joint. The special spherical arches cannot clog in the severest of sludges.

The Redflex R-1 abrasion elbow has proven in many instances to outwear cast iron or steel. Maintenance is greatly reduced on extremely abrasive slurry, such as sinter sludge ash.

Redflex B-1 rubber pipe is used to dump sludge from plant to truck, loading docks, or barges. Flexibility in design requires flexibility in the parts. Red Valve's complete Redflex product line is designed to provide the flexibility that is needed in these systems.

