

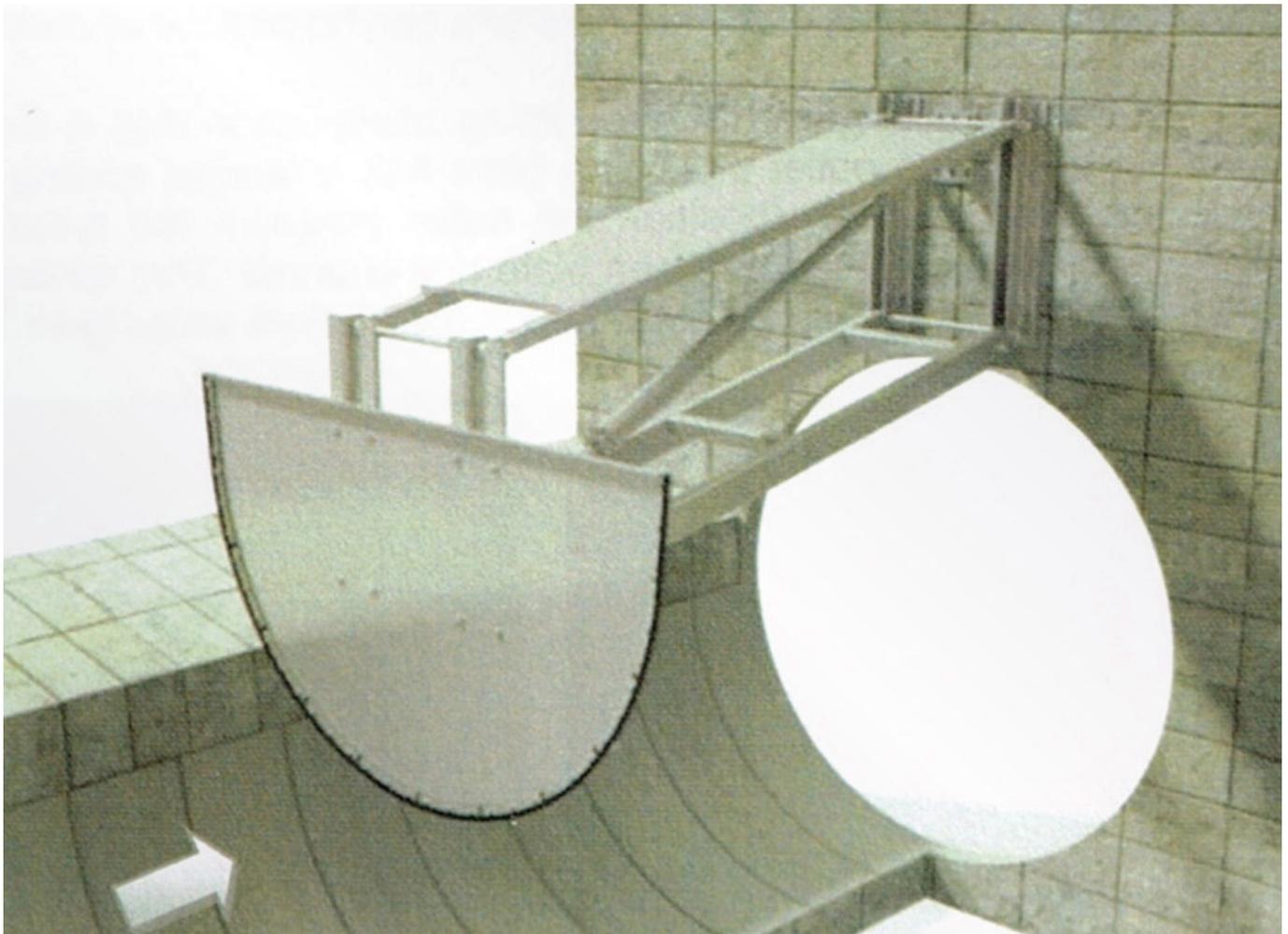
Channel Flushing Gate Type CF

Key Features & Benefits:

- Maintenance of low gradient Sewers preventing silt build-up during dry weather.
- Controlled by panel permitting timed Operation.
- Can be retrofitted into existing systems
- No separate flushing chamber needed

How We Create Value:

- Prevents shock loading on downstream Sewage Treatment Works during storm conditions
- Reduces CSO discharge loadings from flat gradient sewers
- Prevents build up of odours due to sediments



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The formation of sediments in sewer networks, is a common problem especially where gradients are slack and self cleansing velocities cannot be achieved. Large diameter trunk sewers with small dry weather flows (aggravated by economies in water usage/ summer weather), are particularly prone to sedimentation.

Some consequences of sewer sedimentation are, an increased polluting load discharging at Combined Sewer Overflows, intermittent overload of wastewater treatment plants, odour pollution, reduction in the hydraulic capacity of the sewers or damage to the sewers from biogenous sulphur corrosion. High-pressure cleaning of sewers with jetting equipment is labour and cost intensive. In addition, the structure of the sewers can be negatively affected, which can result in a decrease in the expected service life of the sewer. The maintenance periods between cleaning of silted sewers are often very long. Continual high-pressure flushing is not financially feasible.

The Jacopa Sewer Flushing Gate Type CF can be used to provide continuous maintenance of such sewer sections utilising impounded water from the sewer. The shield is raised above the sewer in its rest position, when activated, the shield is lowered into the channel. This causes the flow to be impounded behind the shield until the pre-determined level is reached. Once the set level is reached, the shield is raised releasing the flush water.

The gate is manufactured from high quality stainless steel, the control panel and hydraulic power-pack are housed within a kiosk located adjacent the flushing chamber.

The size of the shield will depend upon the channel dimensions, common sizes would be from 500 mm to 2000 mm dia for circular profiles. Rectangular forms can also be accommodated.

