



**Rodney Hunt**  
A ZURN *Company*  
Tipping Plate Regulator

Tipping Plate

Regulator



# Tipping Plate Regulator

No external actuator,  
one moving part



The Rodney Hunt tipping plate regulator has been used for many years for regulation of sewage from a combined sewer to an interceptor. It requires no outside actuator and the tipping plate is the only moving part. It is designed to allow dry weather flow to pass freely from the combined sewer to the interceptor but to limit that flow as the sewage level rises in the combined sewer. As the level rises, the tipping plate pivots, closing the opening and diverting excess flow over a dam in the combined sewer. The tipping plate regulator is completely automatic with adjustable stops that are used to set the size of opening for dry and wet weather flows. And, stop log slots are provided to fully close the opening if downstream maintenance becomes necessary. The frame or body of the regulator is cast iron with machined side surfaces. The tipping plate is stainless steel and makes use of bronze bushings operating on a stainless steel pivot shaft. The adjustable stops and stop bolts are stainless steel. The unit is available in opening widths of 12, 24 and 36 inches. For openings greater than 36 inches, multiple regulator gates are used. The tipping plate regulator and the method of determining the sizing and application of the unit is fully described in the American Public Works Association, Manual of Practice, Volume 2, Section 2, on combined sewers. Rodney Hunt assisted in the preparation of this section and can forward information and reproductions on request.



## TIPPING PLATE REGULATOR SPECIFICATIONS:

**FRAME:** Cast iron ASTM A-126, Class B, with minimum tensile strength of 31,000 psi. Machined on inside side surfaces and mounting flanges. Side, top and bottom sections doweled and bolted together with stainless steel bolts.

**TIPPING PLATE:** Stainless steel, Type 304, 3/8 inch thick with machined edges to provide proper clearance between plate and frame.

**SHAFT:** Stainless steel, with aluminum-bronze bearings.

**STOPS:** Stop disc and stop link fabricated of stainless steel, held in place by stainless steel bolts.

**LUBRICATION FITTINGS:** Zerk or button-type positioned over bearings.

