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## STORM WATER PUMP PROTECTED WITH BELZONA FOR 10 YEARS

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### CUSTOMER

City Authority, South Eastern Virginia, USA

### APPLICATION DATE

1998

### APPLICATION SITUATION

Replacement new vertical storm water pump

### PROBLEM

Original pump deteriorated due to erosion corrosion. City decided to protect suction bell and diffuser with Belzona coatings before placing into service.

### PRODUCTS

Belzona® 1321 (Ceramic S-Metal)

Belzona® 5811 (Immersion Grade)

### SUBSTRATE

Cast Iron

### APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflets CEP-3 & -4. New pump was disassembled at local repair facility. Suction bell and diffuser blasted and coated with Belzona® 1321 internally and Belzona® 5811 externally.

### BELZONA FACTS

City personnel were very unhappy with the short service life of original vertical storm water pump. To protect the new pump from the damaging effects of the erosion corrosion cycle, Belzona coatings were applied. The new pump was retired after 10 years of successful service to replace it with a larger pump. An after service inspection revealed that 100% of the Belzona® 5811 was intact and 95+% of the Belzona® 1321 was intact.

### PHOTOGRAPHS

1. Suction Bell coated in 1998
2. Diffuser coated in 1998
3. Suction Bell in 2008
4. Diffuser in 2008

