



*Delivering sustainable infrastructure solutions  
for tomorrow's communities*

## ▶ WATER & WASTE WATER TREATMENT FACILITY

### **Project:**

Black Point Waste Water Treatment — Large Diameter Yard Piping

### **Location:**

Miami, FL

### **Profile:**

Because of Lanzo Construction's well known expertise in installing complex and large diameter Pre-Stressed Concrete Cylindrical Piping (PCCP), the general contractor, Skanska USA, contracted Lanzo to install the large diameter yard piping that connected 4 new clarifiers to the existing process train at Miami Dade's Black Point facility. Lanzo's work included the installation of:

- 1,450 LF of 12" Ductile Iron Pipe (DIP)
- 590 LF of 30" DIP
- 1,390 LF of 36" DIP
- 95 LF of 48" DIP
- 890 LF of 54" PCCP
- 1,650 LF of 60" PCCP
- 108 LF of 84" PCCP
- 610 LF of 96" PCCP
- 300 LF of 108" PCCP

In addition, Lanzo rehabilitated the existing feed pipe with a Cured-In-Place Pipe liner in an existing clarifier, removed the irrigation lines, relocated the duct banks and the water meters, and installed tremie concrete under the clarifiers.

The deadlines were aggressive and many of the existing utilities that Lanzo had to relocate were unknown going into the job. Lanzo was able to meet the timeline, utilize their in-house surveying crew, and perform the complexities of the job with minimal disruption to the plant and the environment.

