



*Delivering sustainable infrastructure solutions
for tomorrow's communities*

► **CIVIL CONSTRUCTION: Site Preparation Project Wastewater Treatment Plant Upgrade (High Level Disinfection)**

Project:

Full scale site preparation project for Miami Dade Water & Sewer Department to upgrade the high level disinfection wastewater treatment plant.

Location:

Black Point Wastewater Treatment Plant — Miami, FL

Profile:

Lanzo Construction's expert civil construction team was contracted by the Miami Dade Water & Sewer Department (MDWS) to prepare the area to upgrade the Black Point wastewater treatment plant. Lanzo Construction's attention to detail, specification adherence and well-executed project scheduling was critical in making the deadlines for the ultimate construction of a 285 million gallon a day upgrade to the existing facility. Lanzo Construction's crews:

- Removed all of the conflicting structures and piping
- Cleared all organic material from the existing asphalt-lined drying beds of the plant
- Excavated the old fill and replaced it with compact fill
- Renovated the existing parking areas and installed new parking areas including curbing and pavement
- Installed a large retaining wall
- Installed the drainage and dewatering piping for future dewatering operations
- Installed electrical duct banks and the relocated existing utilities.

In preparation for the future plant services, Lanzo Construction also installed support pile testing for the clarifiers and the new transfer pump station. Lanzo Construction also installed new mains including:

- 793 LF 20" DIP
- 522 LF 10" DIP
- 900 LF 8" PVC
- 1,760 LF 8" DIP FM
- 800 LF 12" WM (Potable)
- 780 LF 12" DIP Filtrate FM
- 1950 LF 15" CMP



Careful Planners, Detailed Schedulers, Safe Workers

Civil construction projects like the multi-faceted preparation work required for the Black Point wastewater treatment plant requires careful planning, detailed scheduling and strict attention to safe and responsible workmanship. Lanzo Construction's detailed understanding of the construction complexities that surround wastewater treatment builds helped pave the way to the later successful 285 MWD upgrade to the facility.