

# FIELD REPORT

## HIGH CALIBER PIPING FOR HIGH CALIBER SCHOOL



"The high groundwater table on the coast has resulted in hot soil and the piping system for the school has seen many repeated repairs for corrosion."

### Higher Standards for Education

Located a few miles west of the Atlantic Coast, Jacksonville, North Carolina in Onslow County is situated along the banks of the New River. It is home to Jacksonville Senior High School, the county's largest high school, made up of nearly 1300 students. JHS has a vision of impacting the world through their students. The school aims to shape the young minds that roam its halls into globally competitive and responsible citizens in the 21st century.

However, it is quite difficult to continuously strive for high standards and give students the best experience possible if a school isn't up-to-date on its facilities and plumbing systems. Structural damage, emergency maintenance, and foundation issues have plagued Jacksonville High School for many years. This not only distracts the school from the progress of its students, but also digs deep into its pockets for costly repairs.

### The Need for High Standards Piping

Over many years Jacksonville High School's underground hot water system has experienced daily issues with its underground hot water system. The high ground water table on the coast has resulted in hot soil which has caused massive corrosion of the water lines. Leaks, flooding, and unreliable hot water transportation have been a repetitive problem for JHS and incurred substantial costs and lost time for construction on campus.

School officials and administrators searched for a reliable alternative. The campus was in need of a durable, leak-free pipe to replace the old, worn out system. The real caveat, was that the pipe needed the ability to endure heat, as the school has water transported from building to building at temperatures of 180 degrees Fahrenheit. Finally, the need for a low-cost product was paramount.

**PROJECT**  
Jacksonville High School

**LOCATION**  
Jacksonville, NC

**SOLUTION**  
Installation of a high-performance pipe system impervious to corrosion with the ability withstand temperatures 180 degrees Fahrenheit.





## The ISCO Solution

PP-RCT provides many advantages over traditional piping. Its unique design using heat fusion makes installation simple. Heat fusion eliminates need for joints, glues, or solvents, ultimately leading to a more solid pipe. With its pragmatic design, PP-RCT is the sustainable maintenance- and leak-free alternative to traditional piping systems.

Schools, companies, and even municipalities across the nation are looking for improved piping options to replace solder and glue joints.

PP-RCT is that improvement. ISCO delivered a state-of-the-art product with indefinite life and high performance.



## A Simple Fix for a Common Problem

Jacksonville is one of the many cities across the U.S. making the switch to PP-RCT, setting an excellent example for school across North Carolina and the Southeast region.

The objective was to eliminate leaks and corrosion

that cause frequent and costly repairs, and provide a more reliable piping system that could withstand the 180 degree water transported throughout the school. Now the school board won't have to worry about regular maintenance and can put the money saved from installing PP-RCT towards the education of their students.

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# ISCO

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