

**City of Ridgeland
Community Affairs**

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City Rehabilitates Aging Sanitary Sewer Lines

Sewer lines, that run underground, often fall into the category of “out of sight, out of mind”. However, what you as a homeowner cannot see does affect you. Typical sewer lines are constructed of concrete that breakdown over time allowing infiltration of groundwater and stormwater into the pipes or leaking contents into the ground.

Ridgeland has a solution to aging concrete sewer pipes that eliminates leaks and extends the life of the sewer lines for approximately 50 years. It is called Cured-In-Place Pipe (CIPP) lining system, and it is an alternative to digging trenches and laying new concrete pipe. It is a winning solution for residents because CIPP causes much less disturbance to residential streets and saves the City and thus, taxpayers, money.

Suncoast Infrastructure, Inc. installs CIPP for the City of Ridgeland. Superintendent Steve Ricker said, “CIPP saves money because it pays for itself in reduced treatment costs at the sewage treatment plant in Jackson. It helps to keep sewer rates from going up.”

Before CIPP is installed, a video camera is used to find areas in the sewer system that need rehabilitation. Images from the camera are viewed by a technician on a screen as the camera is moving through the pipes. A camera will travel from one manhole to another producing live video.

In the areas of rehabilitation, water is blown into the pipe at 1500 psi to clean out the pipe and ready it for the installation of CIPP. The lining system is then fed into the manhole and the pipes. Hot water of 180° F is run through the CIPP liner, causing the liner to seal itself to the inside of the concrete pipe. The liner system and its components are safe for the environment and meet ASTM standards.

In the City of Ridgeland, CIPP liners have been installed in Olde Towne, School Street, Moon Street, Cherry Street, Ralde Circle, and Christine Drive. Most recently CIPP liners have been installed in Gateway North.

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