

## Scope of work

### Phase 1B Construction

In 2019, the City of Myrtle Beach Council approved an overall master plan to redevelop the downtown area. This master plan was tailored to create a destination for both residents, visitors and workers. This area named the Arts and Innovation District will be redeveloped into a mixed-use area development to support a broad spectrum of uses from businesses, municipal offices, retail, dining, library, museum, performing arts center, residential, and passive recreation. The area is approximately 47 +/- acres which is bound by Kings Hwy (Hwy 17 business) to the south, Mr. Joe White Ave to the east, Hwy 501 (7<sup>th</sup> Ave N) to the west and Campbell St to the north. Originally, developed as a business district in the late 1930's, this part of the City has seen various roadway upgrades and building modifications over the decades increasing the density in the area. Over the years the underground infrastructure (water, sewer and drainage) remains unchanged, has not kept up with the growth over the decades, and has exceeded its useful life expectancy of the materials used. The Arts and Innovation District has been divided into different phases to help manage the reconstruction of the overall development.

Phase 1B of the Arts and Innovation District consists of the reconstruction of approximately 1500 +/- linear feet of the 66-foot-wide Oak St corridor between 8<sup>th</sup> Ave N and Mr. Joe White Ave and 550 +/- linear feet of the 100-foot-wide section of 9<sup>th</sup> Ave N. The section of 9<sup>th</sup> Ave N runs between Kings Hwy to Oak St. These streets will include a total reconstruction of roadway and all infrastructure from property line to property line which includes but is not limited to the removal and replacement of the roadway pavement, curbing, sidewalks, water lines, sewer lines, force mains, drainage lines, along with undergrounding overhead electric, phone, and cable.

This phase represents approximately 3.60 +/- acres of the existing asphalt roadway and concrete sidewalk system that will be demolished and reconstructed into a more pedestrian friendly area with on street parking, bike lanes, wider sidewalks, and pedestrian friendly intersections. This new street section will incorporate a combination of conventional asphalt pavement along with a pervious paver system to help improve drainage by reducing storm water runoff and improving water quality downstream.

Phase 1B includes reconstruction of all existing underground utilities starting with the gravity sewer which was originally installed in the late 1930's 8 to 10 feet deep in the roadway. The existing vitrified clay (VCP) pipe gravity sewer system has had numerous repairs over the years because of broken/bad joints and cracked pipes. The existing gravity sewer does not meet the current design standards for minimum pipe slopes and the proposed gravity sewer will be installed deeper, approximately 2 to 3 +/- feet, and constitutes the installation of a new pump station to serve the area. The project consists of replacing approximately 3650 +/- linear feet of gravity sewer and 30 +/- manholes that are in the existing roadway system along with a new submersible pump station and replacing approximately 2100 +/- linear feet of 12" cast iron force main. The existing water line system is also part of the overall utility replacement which is either undersized and/or constructed out of inferior products. The proposed water system will consist of approximately 2300 +/- linear feet of either 12", 10", and or 8" water lines plus the installation of new fire hydrants and water services to the area.

Another aspect to the underground utilities is the current storm drainage system or the lack of drainage in the area. This project will enhance the current drainage system by installing a new system and adding above and below ground storage. Structural and non-structural best management practices will be added

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throughout the phase to reduce runoff and improve water quality. The existing natural gas lines will be upgraded to service the current and future buildout for the area.

The City has made great strides in the past few years with removing the overhead power and cable lines and installing them underground. This phase of improvements to the District will continue with undergrounding all the overhead utilities. The installation of sub-surface private utility work will be limited to routing of conduits in locations as directed by the utility companies for electric, cable, and telephone. Work concerning street lighting will be limited to locating fixtures in locations as determined by Santee Cooper. Localized power design will be limited to electrical outlets, up lighting and bollard lighting in keeping with the overall Master Plan. The City will coordinate with the appropriate private utility companies for underground power, phone, and cable TV for the Phase 1 B boundary area.