

INTRENCHMENT CREEK VIADUCT SEWER REHABILITATION

PROJECT OVERVIEW

The Intrenchment Creek Viaduct Trunk Rehabilitation project includes repairs and rehabilitation to a 100-year-old 48-inch pipeline carrying sanitary sewer flow to the Intrenchment Creek Water Reclamation Center. Over the years, the viaduct has developed severe cracks with structural deficiencies in the foundation of the wall. The viaduct, which is an elevated bridge-like structure, is 475 feet long and sits approximately 40 feet above Parker Creek.

The pipeline carries sanitary sewer flows from southeast Atlanta and portions of neighboring DeKalb County to the Intrenchment Creek Pollution Control Plant. The Viaduct project location falls outside the Atlanta city limits.

WHAT KIND OF WORK WILL BE PERFORMED?

Construction includes two phases:

Phase One – Structural Survey & Evaluations

Conduct a structural evaluation, survey, and non-destructive testing of the viaduct:

- Determine the size, strength and reinforcement of supporting structure
- Complete as-built survey of the viaduct and the retaining walls
- Determine the remaining strength of the concrete cover around the pipe and rebar
- Determine the size of the foundations supporting the structure

Phase Two – Sewer Repair

The sewer will be rehabilitated by sliplining the existing host pipe with a fiberglass pipe and grouting the annular space between the existing structure and the new pipe. A high strength grout will be utilized to seal structural cracks in the pipe wall.

WHAT TO EXPECT

Disruption of service and noise may occur because of construction. However, we will notify the impacted area through mailings, door hangers or face-to-face as work progresses. City representatives also will attend NPU meetings as necessary to discuss planned work and provide periodic updates.

WHAT ARE THE BENEFITS OF THE PROJECT?

Structural upgrades to the system are necessary to replace old and deteriorated sewers to maintain the reliability of the sewers. Rehabilitation of the Intrenchment Creek Interceptor and the Viaduct will:

- Enhance flow capacity of the viaduct
- Reduce Infiltration/Inflow (I/I) or extraneous flows into the sewer system
- Contribute to reductions in sanitary sewer overflows
- Provide adequate conveyance capacity for existing and new customers

The improvements will extend the life of the sewer 50+ years while meeting the requirements of the First Amended Consent Decree (FACD).

WHO WILL BE IMPACTED?

The City will be working in sewersheds INC01 and INC01BCSO situated within the Intrenchment Creek Basin. The work most closely borders Council District 1 and NPU W. The viaduct is located in a wooded area in DeKalb County, District 3, at the westernmost end of the Bouldercrest Corridor.

STAY INFORMED

Sign-up to receive project updates by emailing Joy Barnes, Public Information Officer for the Intrenchment Creek Viaduct Trunk Rehabilitation Project, at jbarnes@atlantaga.gov.

Project Start: 4th Qtr. 2019

Estimated Project End: 3rd Qtr. 2020

Project Manager: Rosalind Horne

Contractor: Ruby-Collins, Inc.

FACT SHEET

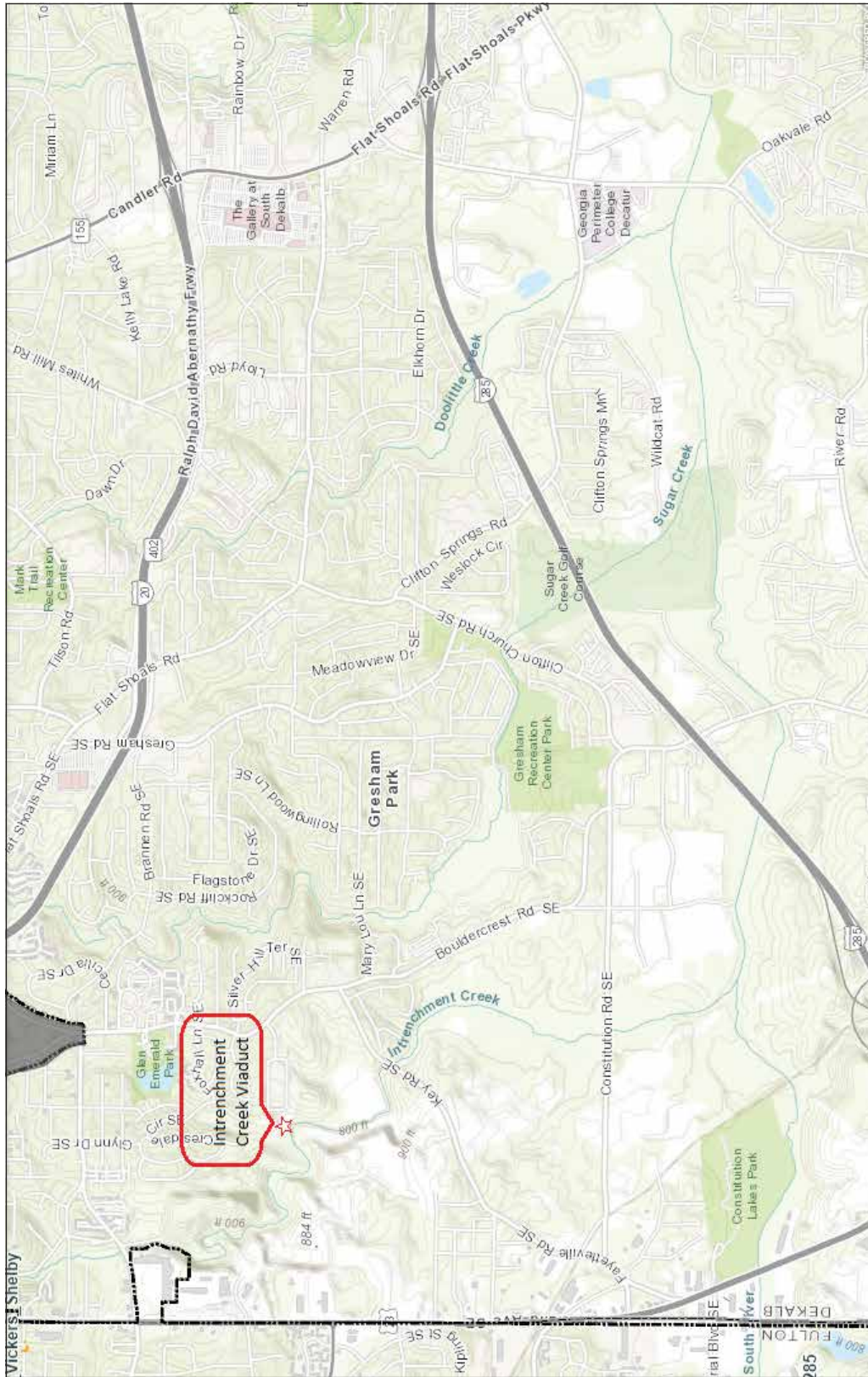


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Visit us online to learn more about the project & stay informed:
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