



 **American**

EFL00210

FKAA

37.500" x .385"

NSF 61

DATE

12/22/2022

Item ID

1003615

WO #

20259

MIC # 11

# Plantation Key Transmission Main Replacement Project



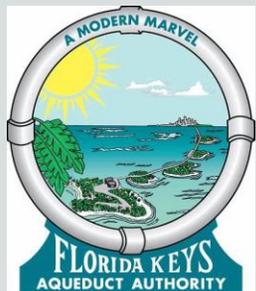
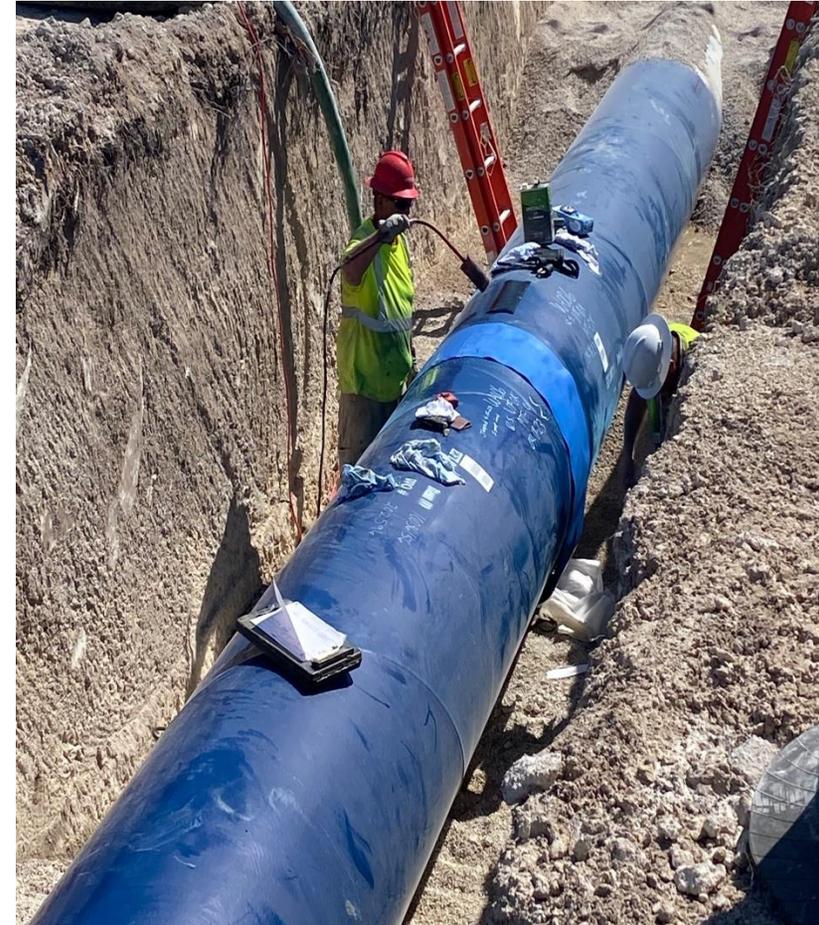
**FLORIDA KEYS**  
AQUEDUCT AUTHORITY  
*Providing Quality Water Services to the Keys*

# Project Team Introductions



**FLORIDA KEYS**  
AQUEDUCT AUTHORITY  
*Providing Quality Water Services to the Keys*

- **Project Owner (Florida Keys Aqueduct Authority)**  
David Hackworth, Director of Engineering
- **Construction Engineer (Wade Trim)**  
David Mullen, P.E.
- **Construction Manager (South Florida Engineering Services)**  
Aaron Cutler
- **Public Outreach Firm (Conceptual Communications)**  
Laurie M. Ernest-Jones
- **Contractor (Michels Pipeline)**  
Kory Callum
- **Monroe County**
- **Village of Islamorada**
- **Florida Department of Transportation**



## What?

We are replacing six miles of the existing 30-inch transmission main in Plantation Key with a new 36-inch cathodically-protected steel water main.

## Where?

Along US1, from Snake Creek to Julep Road in Tavernier

## Why?

As pipes age, they become more susceptible to corrosion, leaks, storm surge, and other effects

## When?

February 2025 to November 2026  
(transmission main install)

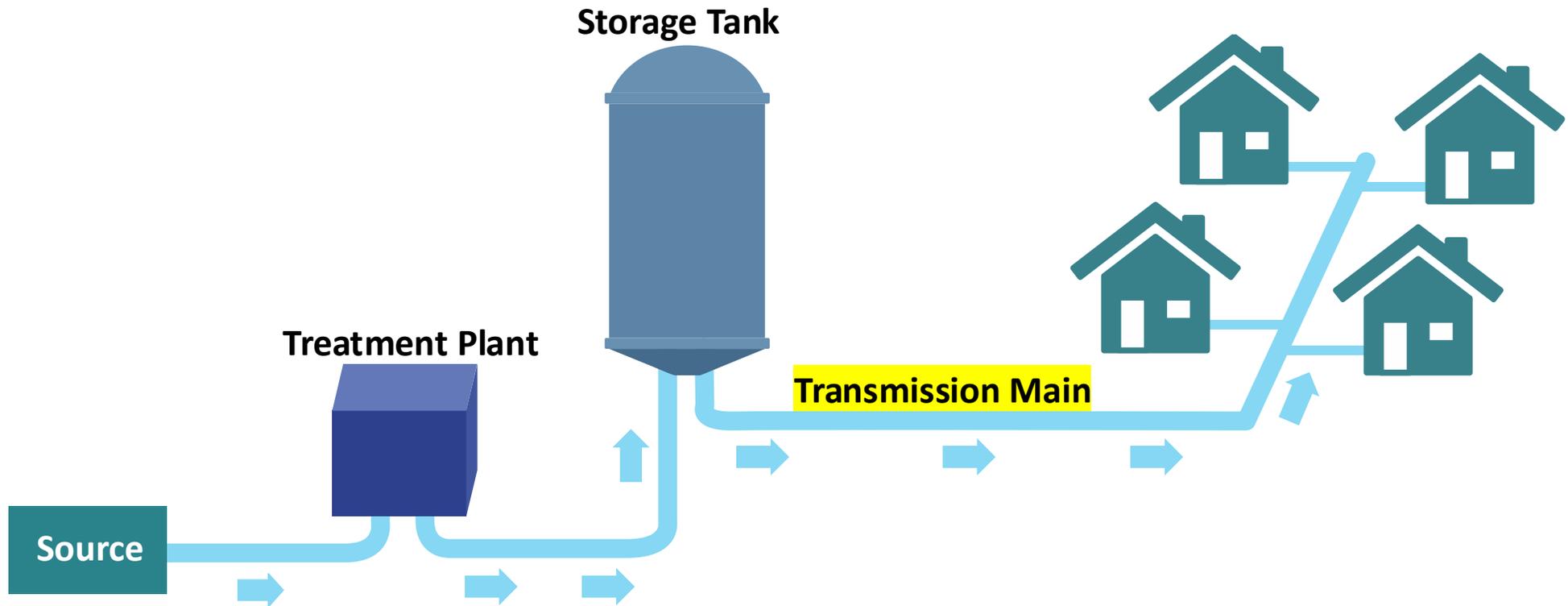


**Ingress and egress to ALL  
businesses will be maintained  
throughout this project.**

# Why is this Project Important?

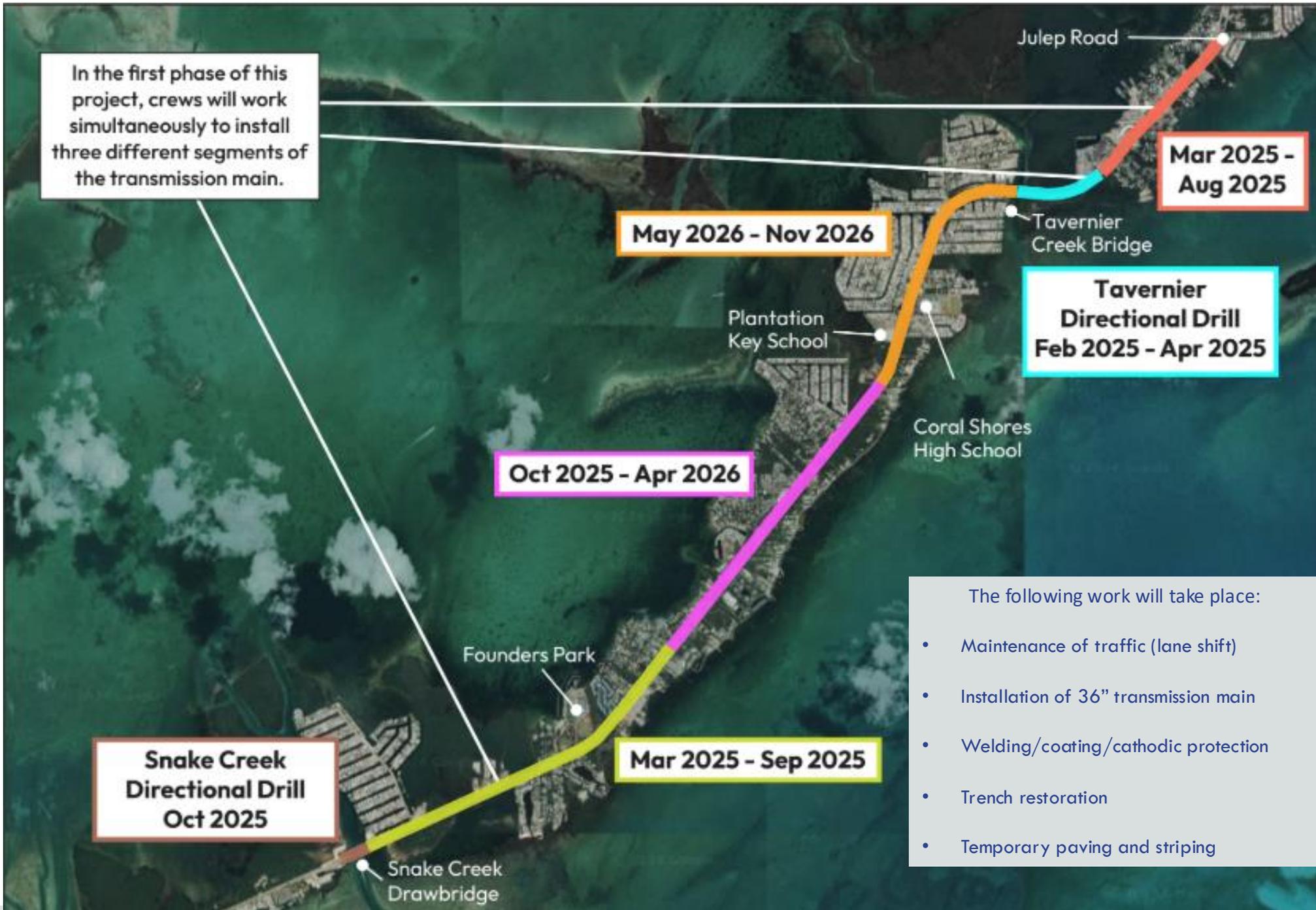


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- The water sources are deep underground aquifers in Florida City.
- Providing uninterrupted clean drinking water is FKAA's top priority.
- FKAA delivers nearly 20 Million Gallons of Water Per Day throughout the Keys.
- The existing pipe is beyond its expected lifespan. The new pipe is designed to be unaffected by local aggressive soils and subterranean tidal flows.

# Pipe Installation Schedule

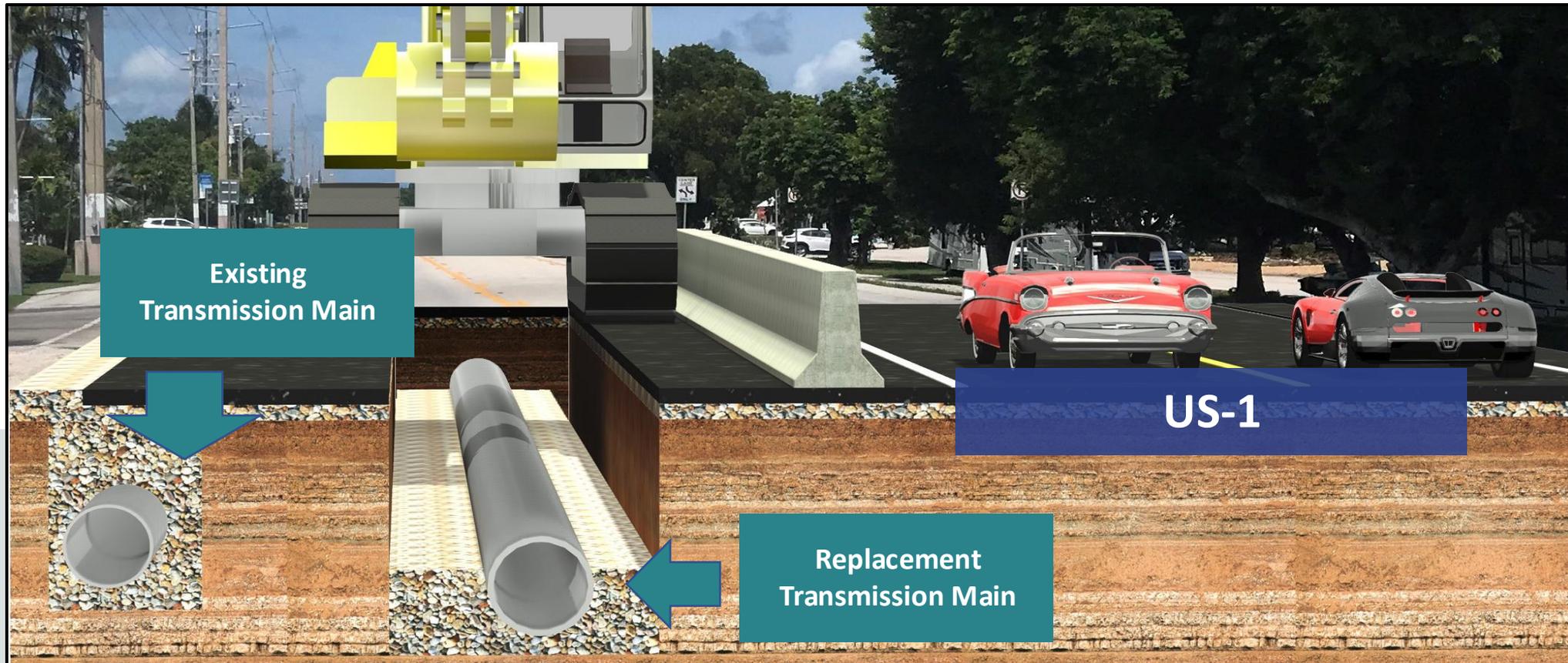


- The following work will take place:
- Maintenance of traffic (lane shift)
  - Installation of 36" transmission main
  - Welding/coating/cathodic protection
  - Trench restoration
  - Temporary paving and striping

# Work Schedule & Traffic Flow



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*Providing Quality Water Services to the Keys*



- Crews will work Monday through Friday, 24-Hours/Day
- Work will not take place on the weekends, major holidays or events
- Northbound and southbound traffic flows will be maintained throughout the project
- Rolling lane closures (1,000 feet) and 35 MPH speed limit in work zone
- FDOT does not permit left hand turns in work zone – make a U-Turn to turn right into your destination
- Bike lanes and pedestrian walkways may be temporarily closed at certain project intervals
- **Ingress and egress to all businesses and schools will be maintained**



STEP  
**1**

Set the temporary rolling lane closure in the work zone



STEP  
**2**

Prepare the trench where the pipe will be installed



STEP  
**3**

Lay the steel water main pipe in the trench



STEP  
**4**

Add cathodic protection



STEP  
**5**

Fill the trench and lay temporary asphalt



STEP  
**6**

Repeat the process every 1,000-feet



STEP  
**7**

Install interloop pipe and master meter service lines



STEP  
**8**

Clean, disinfect, and pressure test new transmission main and service lines



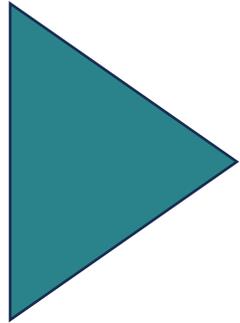
STEP  
**9**

Activate new transmission main



STEP  
**10**

Complete final cleanup in project work area



Don't forget to sign in for today's meeting – you will also be added to the Plantation Key project updates email list.



- Questions? Email a local FCAA customer service representative at [community@fkaa.com](mailto:community@fkaa.com)
- For on-site support, contact Contractor Superintendent Kory Callum at (920) 517-4828
- For after-hours support, call (305) 296-2454
- Visit <https://bit.ly/PlantationKeyProject> and follow FCAA's Facebook and X pages (@FCAAwater) for project updates