GRANT FUNDED PROJECT

TOTAL PROJECT COST $9,698,970

75% Federal share (Federal Emergency Management Agency)

25% Local share (City of Hallandale Beach)

Design and Permitting
$1,000,000

Construction
$8,696,970
FEMA approved a phased Period of Performance

- **24 months** for the *project design, permitting and construction bid award* (from May 25, 2016 to May 25, 2018)

- **28 months** for the *construction* (from May 25, 2018 to September 25, 2020)

Current status
- 90% Design plans completed
- Permitting in progress
EXISTING DRAINAGE INFRASTRUCTURE

SOUTHWEST QUADRANT DRAINAGE SYSTEM
- Piping
- Catch basins
- Outfalls
- Schaffer Canal
EXISTING DRAINAGE INFRASTRUCTURE
EXISTING DRAINAGE INFRASTRUCTURE

- Outfall
- Catch basin
- Underground drainage pipe
EXISTING CONDITION

- **Schaffer Canal - Tidally influenced**
  - Capacity of the canal changes constantly
  - At high tide the water flow is reversed
PROPOSED IMPROVEMENTS

- Hallandale Beach Blvd
- SW 11th Street
- Proposed Pump Station
- Construction Impacted Area
- Proposed Drainage Injection Wells
- Proposed control structure with gate
FORCE MAINS AND INJECTION WELLS CONSTRUCTION

New Underground Pipe

Trench Restoration Area (Driveways And Roadway)

Pipe Routed Around Existing Sewer

Drainage Well In Swale

Roadway To Be Repaved At The End Of The Project
UNDERGROUND PIPES AND INJECTION WELLS CONSTRUCTION

Area of Excavation

Injection Well

New Underground Pipe
WHAT ARE INJECTION WELLS?

After Construction

Drainage Well in swale

Note: *The well casing shall penetrate a zone containing a minimum of 10,000 milligrams per liter (mg/l) total dissolved solids (TDS).*
SEE LINK TO VIDEO
SW 7TH STREET BRIDGE

BEFORE

AFTER
NEW PUMP HOUSE ON SW 7TH STREET
NEW GENERATOR ON SW 7TH STREET
NEW CONTROL STRUCTURE @ SW 11ST STREET

BEFORE

AFTER
UNDERGROUND PIPES AND INJECTION WELLS CONSTRUCTION

What should the residents expect during the construction?
- Construction activities from 8:00am to 5:00pm Monday to Friday
- Street closure (local traffic ONLY)
- Residents will be able to access their properties

What should the residents expect during the non-working hours and weekends?
- At the end of each working day the excavated area will be temporarily restored with asphalt
- At the end of each working day and weekend the roads will remain open for regular traffic
- At the end of each working day the road will be swept