

**MINUTES  
CITY OF COCOA  
SPECIAL MEETING OF THE CITY COUNCIL  
UTILITIES WORKSHOP**

**November 5, 2019**

A Utility Workshop was held on Tuesday, November 5, 2019, in City Council Chambers at Cocoa City Hall, 65 Stone Street, Cocoa, Florida as publicly noticed.

**I. OPENING MATTERS:**

Mayor Williams called the workshop to order at 5:45 p.m.

Councilman Goins provided the invocation. Mayor Williams led the assembly in the Pledge of Allegiance.

|          |                   |                        |
|----------|-------------------|------------------------|
| Present: | Jake Williams Jr. | Mayor                  |
|          | Don Boisvert      | Councilmember          |
|          | Alex Goins        | Councilmember          |
|          | Lorraine Koss     | Councilmember          |
|          | Matt Fuhrer       | Assistant City Manager |
|          | John Titkanich    | City Manager           |
|          | Monica Arsenault  | Assistant City Clerk   |

|         |                   |               |
|---------|-------------------|---------------|
| Absent: | Brenda Warner     | Deputy Mayor  |
|         | Anthony Garganese | City Attorney |

Other Staff Members Present:

Rebecca Bowman, Finance Director; Lora Howell, Deputy Finance Director; Chris Collier, Assistant Utilities Director; and Jack Walsh, Utilities Director.

David Prather and Wesley Park, members of the Utilities Advisory Board, were also in attendance.

**II. WORKSHOP TOPICS:**

**1. System Overview:**

Jack Walsh, Utilities Director, provided a presentation<sup>1</sup> regarding the Utilities Department. He explained potable water as follows:

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<sup>1</sup> Exhibit A: Utility Presentation

- 250 square miles of service area
- Regional System serving multiple jurisdictions
- Port St John to Pineda Causeway
- Mainland to Cocoa Beach, Cape Canaveral, Merritt Island
- Port Authority
- 3 Federal Installations
- NASA
- CCAFS
- PAFB
- 84,000 service connections serving approximately ~250,000 customers
  - Plant permits –31 mgdground, 8.8 mgdsurface water

Mr. Walsh shared a map of the City's potable water service area. He explained sanitary sewer and shared the following:

- 15 square miles
- City of Cocoa limits
- 6,000 service connections
- Plant Permitted Capacity 4.5 MGD
- 78 Miles of Gravity Sewer // 47 Miles Force Mains
- 1600 manholes
- 53 Lift stations

Mr. Walsh briefly discussed the reclaimed water system and pointed out that it is fifteen square miles, has seventy-four miles of pipe, is within the City of Cocoa limits only and has two thousand two hundred and twenty one service connections.

## **2. Water Operations Activities:**

Mr. Walsh shared statistics in water field operations from FY18-FY19 which includes work done by City staff, various assessments and repairs that were performed. Additionally, in FY20, annual programs will be continued and there will be data base management and refinement.

## **3. Sewer Operations:**

Mr. Walsh shared the sewer field operations activities from FY18-FY19, including assessments and repairs.

Mr. Collier added that several consultants have come in to perform assessments and they have all acknowledged that the City's system is in great shape.

Mr. Walsh mentioned the sewer field operations activities for FY20 which include continuing the slip lining program, performing manhole assessments and a gravity system cleaning. Mr. Walsh pointed out the FOG program which will continue in FY20. The FOG

program mitigates fats, oils and greases. Additionally, in FY20, new businesses will be tracked through the Development Review Committee (DRC) process, certified letters for cleaning will be required, the FOG data base will be built in GIS and staff will be visiting businesses to develop relationships.

Mr. Walsh explained the current status of reclaimed water. There is a slow and steady growth of reclaim connections and the reclaim utilization rate is at about ninety-six percent. The reclaim system is in balance with plant influent.

#### 4. Septic to Sewer:

Mr. Walsh explained septic to sewer, a large project coming up. He shared that the "Save Our Indian River Lagoon" has funding available for areas "J" and "K". The scope and tasks will include geotechnical, surveying and engineering which will be addressed by Bussen Engineering Group. It will take approximately ten months for plans and a community meeting will be necessary and is anticipated to be held sometime in February or March of 2020.

Furthermore, funding was discussed for septic to sewer. Mr. Walsh shared the following:

- SJRWMD Cost Share
  - District Wide
    - 33% funding construction costs
    - \$1.5M max per year
      - AWS/conservation
      - Flood
      - Natural systems
      - Water Quality/ nutrient loading
        - located within 0.25 miles water body (0.5 in 2021)
        - local ordinance enforceable
        - 50% commitment or better
- SRF Loans
  - Low interest loans for infrastructure projects
    - Loan, not a grant
    - Interest rates are below market
    - 20 year loan
    - Repayments starts after completion of the project
      - credit for Davis Bacon and American Iron
    - Requires facility master plans
    - More extensive engineering, needs alternatives
    - Certified payroll during construction,
    - 2% loan fee
    - Planning, Design or Construction can qualify

Mr. Walsh mentioned the benefits of SOIRL. The capital cost of the main line construction (gravity mains, lift stations, road repairs) will be covered by the SOIRL. Potential overages

or underestimated costs can potentially be covered and impact fees to new customers can be covered by SOIRL. Service line connections, septic removals can also be covered by SOIRL through a reimbursement by the County to the homeowner. He explained, however, that there are some potential challenges of SOIRL. He noted that money is allocated but is always subject to funding availability. City of Cocoa customers could be held liable for portions of mainline construction if not enough people connect and City of Cocoa customers could be held liable for the O&M costs in future if not enough people connect. Reimbursements available to customers today may not be available in future years, so connecting as soon as the project is complete is critical.

Mr. Walsh pointed out the City's current Sewer Policy, referencing the Code of Ordinances Chapter 22, Article I, Section 22-3(C) and Section 22-9(E).

Mr. Walsh asked Council to provide direction on developing an enforcement on the current policy which states that three hundred sixty-five days are given to connect, however there is no current consequence for violations. In response, Mayor Williams noted that he'd like to see what State law says. It was decided that the language in the current policy that notes three hundred and sixty-five days are given to connect may need to be reconsidered.

Councilwoman Koss added that she'd like to see what the economic burden would be and if there are options for funding.

Mr. Walsh provided several options for consideration:

- Charge customers the readiness to serve fixed fee
- Create a penalty for non-compliance
- What if County seeks return of cash due to non-compliance?
  - No minimum percentage to connect has been established
  - Who pays for this impact?

##### **5. Capital Project Summary:**

Mr. Walsh provided an update on the North Tropical Trail looping improvements. This is located on two areas of North Tropical Trail and one area of Chase Hammock road. The project is currently eighty-nine percent complete and the anticipated substantial completion date is November 29, 2019. This was a bond-funded project.

He shared that the Reactor Clarifier #1 Effluent Pipe Replacement Project is located at the Dyal Water Treatment Plant. It is currently eighty-six percent complete and is a bond-funded project.

Furthermore, the Groundwater Filters #1 and #4 Rehab project is underway and is also located at the Dyal Water Treatment Plant. It is twelve percent complete and the anticipated substantial completion date is February 28, 2020.

Mr. Walsh explained that the Cidco Tank Ladder repair is located on Cidco Road in Cocoa. The achieved substantial completion date was October 14, 2019. The Sludge Valves replacement project is located at the Sellers Water Reclamation Facility with an anticipated substantial completion date of December 18, 2019.

The Michigan Avenue FM and Reclaim project, Marlin Manor WM Improvements project, Pineda Water Main Crossing project and SR 520 Water Main Improvements project are all in design. The construction contract is anticipated to be awarded in spring, 2020 for all projects.

**6. Future:**

Mr. Walsh shared what's coming in the future. He discussed advanced metering infrastructure and shared that a study and financial analysis was completed by Jacobs Engineering, Inc. The City is looking to enhance customer service access, minimize misreads, etc. A schedule will be determined based on funding and city wide Enterprise Platform changes.

Additionally, there is the Patrick Airforce Base and Kennedy Space Center Infrastructure Privatization:

- RFQ for water and sewer on hold by Federal Government
- Letters of Interest requested and submitted
- Significant costs to prepare and RFQ ~ \$1.5M
- May require significant staffing changes and organizational changes for the utilities system

Councilmember Koss asked what the benefit to the City would be. In response, City Manager Titkanich explained that it would be a fifty year contract and there would be a margin involved.

Lastly, Mr. Walsh pointed out the Cocoa Utilities Capital Improvement Program Dashboard on the City's website. Information is readily available for anyone who may be interested to see project updates and various other information.

Councilmember Koss mentioned the America's Water Infrastructure Act and asked if the City had a resiliency plan in place. In response, Mr. Walsh stated no but that it would be completed in time to meet the deadline in March 2020.

Councilmember Koss inquired about the amount of money the City makes from late fees on water bills. In response, Ms. Bowman explained that when staff made changes to the utility handbook it was determined that although a considerable amount of money was being collected from late fees, it was mostly being used to cover the constant costs of sending staff back and forth to the properties.

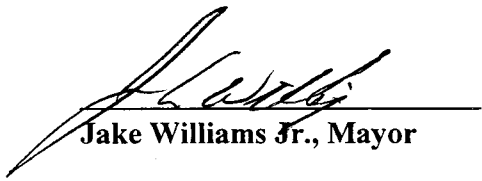
**III. ADJOURNMENT:**

- \* **MOTION by Councilman Boisvert; SECONDED by Councilman Goins to adjourn the Utilities Workshop.**

**AYES: Williams, Boisvert, Goins, Koss**

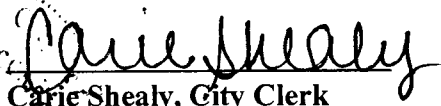
**MOTION PASSED (4-0)**

**The Workshop adjourned at 7:42 p.m.**



**Jake Williams Jr., Mayor**

**ATTEST:**



**Carrie Shealy, City Clerk**

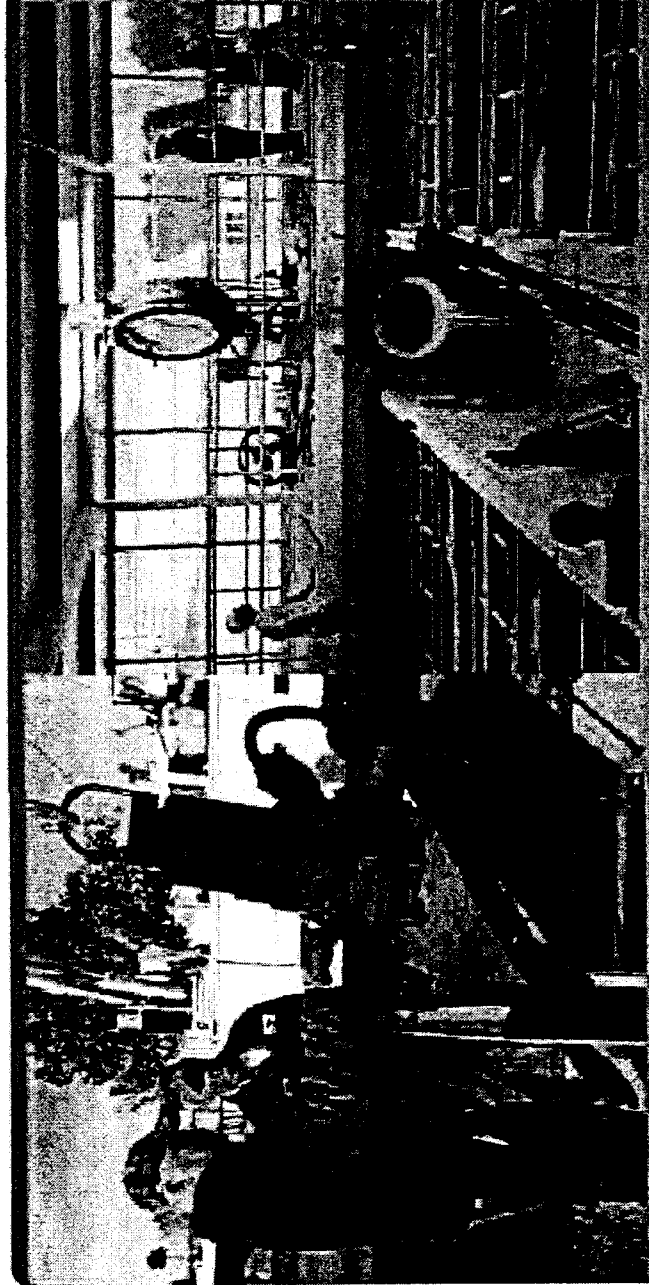
**(Transcribed by M. Arsenault, Assistant City Clerk)**

# Utilities Workshop

11/5/19



John A. "Jack" Walsh, P.E.  
Utilities Director  
City of Cocoa  
Exhibit A: Utilities Presentation

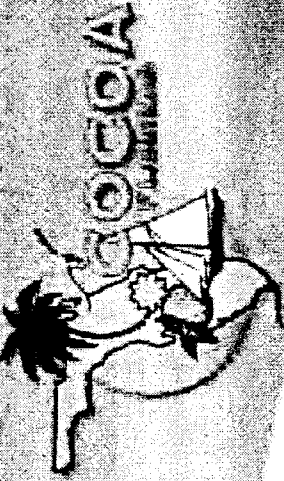


24 hours a day

7 days a week

365 days a year

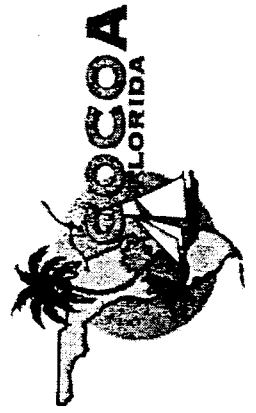
Team Cocoa



ONE TEAM – ONE MISSION

# Agenda

- System Overview
  - Potable Water
  - Sanitary Sewer
  - Reclaimed Water
- Water Operations Activities
  - Hydrants
  - Backflows
  - Repairs
- Sewer Operations
  - Gravity – manholes, pipes
  - Other Maintenance – cleaning, camera, slip lining, force main assessment
- Reclaimed Water
- Septic to Sewer
  - Policy discussion
- Capital Project Summary
- Future
  - AMI
  - PAFB and KSC
- Questions



# System Overview

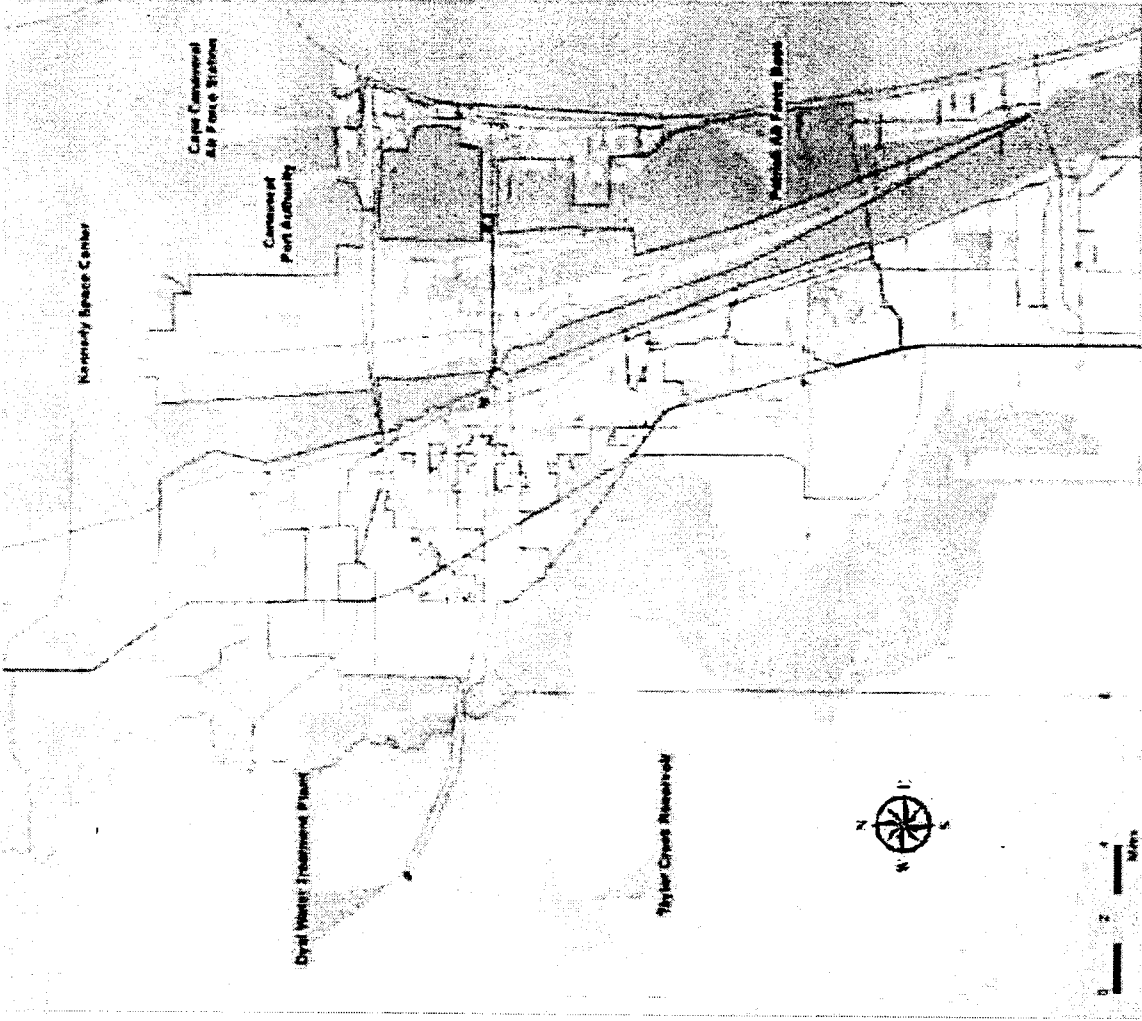
## ○ Potable Water

- 250 square miles of service area
- Regional System serving multiple jurisdictions
- Port St John to Pineda Causeway
- Mainland to Cocoa Beach, Cape Canaveral, Merritt Island
- Port Authority
- 3 Federal Installations
  - NASA
  - CCAFS
  - PAFB

84,000 service connections serving approximately ~250,000 customers

Plant permits – 31 mgd ground, 8.8 mgd surface water





## City of Cocoa Potable Water Service Area

Disclaimer: Maps are for reference purposes only and are not intended to be used as a legal document. The user is responsible for verifying the accuracy of all information before use.

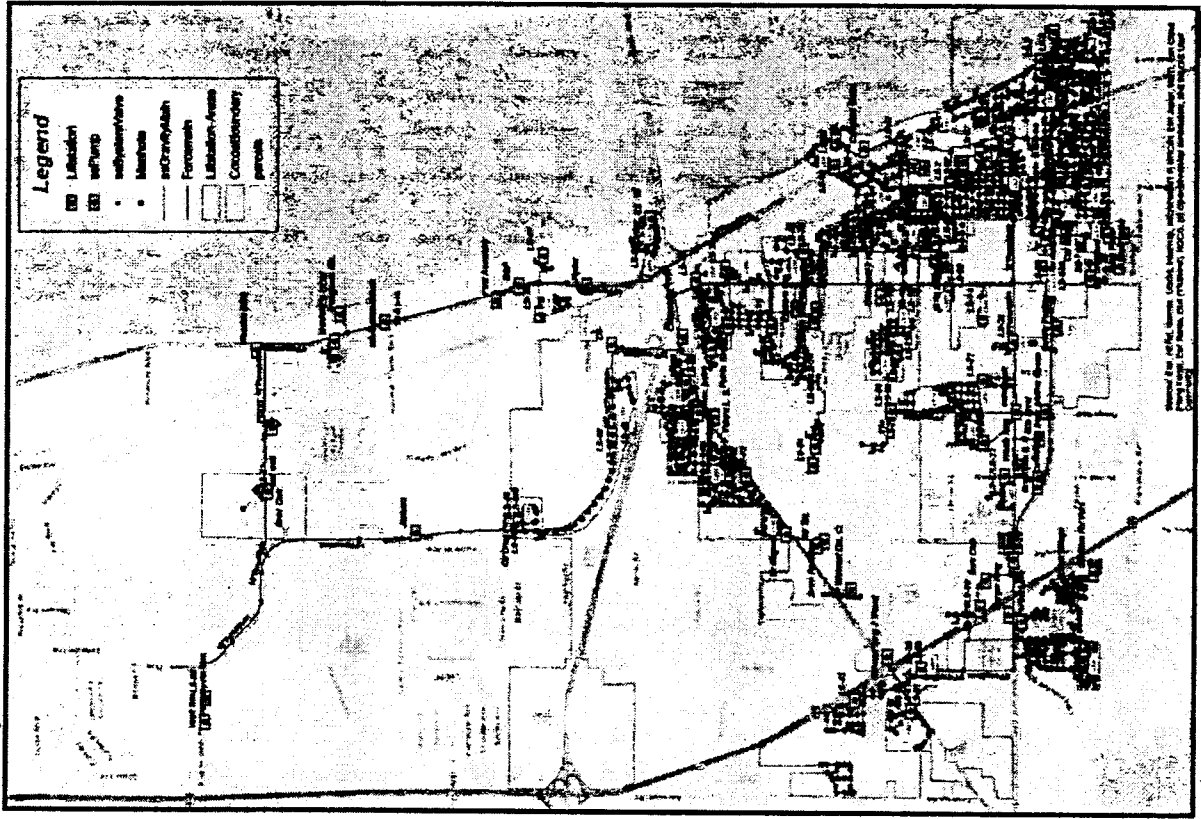
# System Overview



- Sanitary Sewer
  - 15 square miles
  - City of Cocoa limits
  - 6,000 service connections
  - Plant Permitted Capacity 4.5 MGD
  - 78 Miles of Gravity Sewer // 47 Miles Force Mains
  - 1600 manholes
  - 53 Lift stations

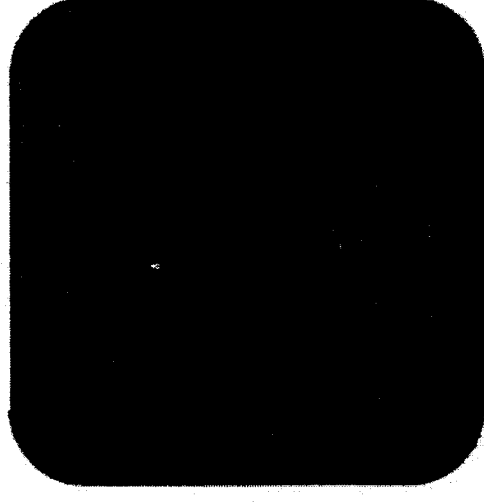


# System Overview Map

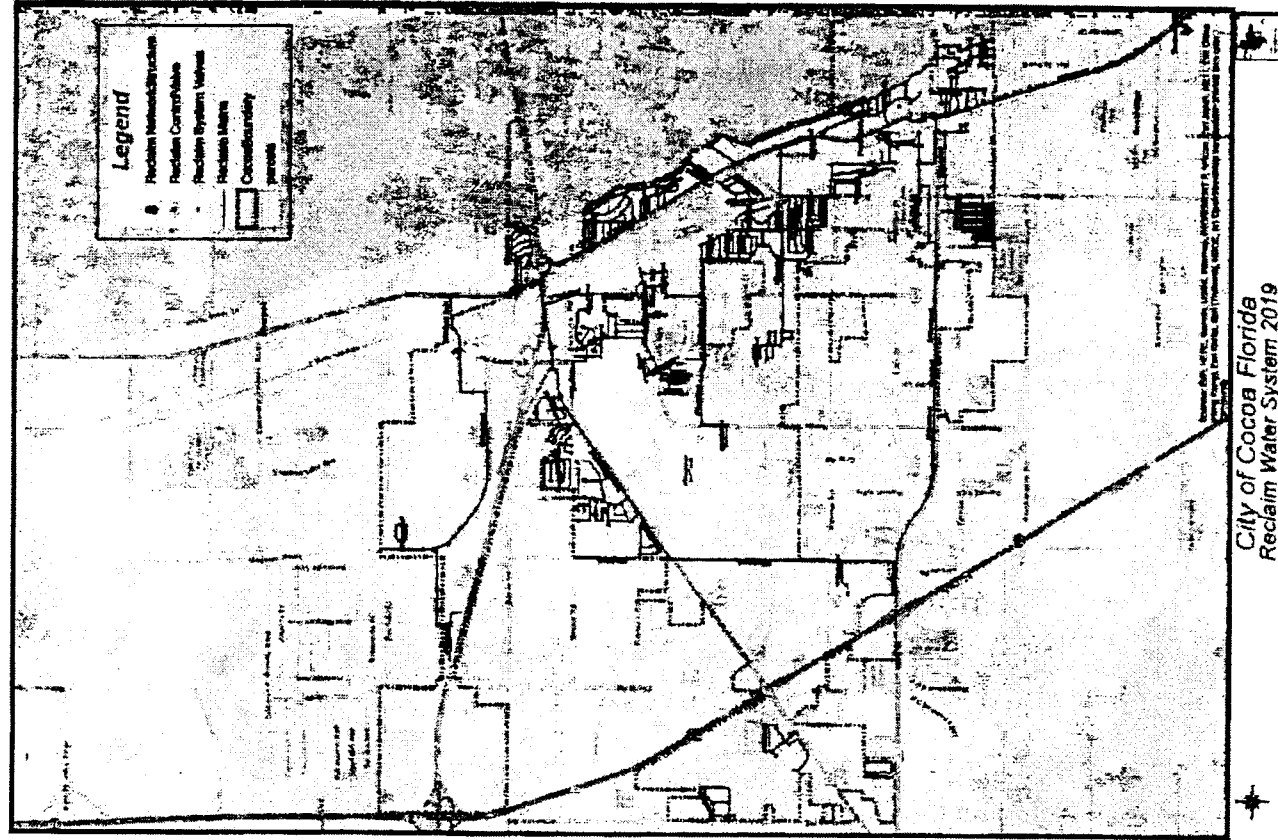


# System Overview

- Reclaimed Water System
  - 15 square miles
  - City of Cocoa limits only
  - 74 miles pipe
  - 2,221 service connections



# System Overview Map



# Water Field Operations Activities – FY18 thru FY19

## CITY STAFF

Work Orders – 12,537

Breaks - 225

## ASSESSMENTS

Subaqueous Pipe – 6,200 ft.

## REPAIRS

Valves & Hydrants – 10

Subaqueous Pipe Repair (Indian River)

Restoration (Mill & Resurface) – 11 sites

2018

2019

## CITY STAFF

Work Orders – 14,192

Breaks - 140

## ASSESSMENTS

Valves – 7,207 (WFO & Hydromax)

Hydrants – 6,003 (WFO & Hydromax)

Restoration (WFO) – 217 sites

Restoration (Mill & Resurface) – 17

Restoration (Joint Projects – WFO/Contractor) – 5

## REGULATORY

Hazard Surveys – 170

CCC Device Testing – 6,978

CCC Device Repair and Replace – 3,643

CCC Installations (WFO) – 124

## Water Field Operations Activities – FY2020

- Continue Annual Programs
  - Hydrant
  - Valve Exercising
  - Backflow/CCC Program
  - Repair/WO's
- Data Base Management/Refinement

# Sewer Field Operations Activities – FY18 thru FY19

## ASSESSMENTS

Sewer Manholes – 800

**2018**

## REPAIRS

CIPP Lining – 10,672 ft.

Gravity Sewer Pipe Repair – 1 site

Gravity Sewer Cleaning – 20,750 ft.

## REPAIRS

**2019**

CIPP Lining – 6,464 ft.

Manhole Lining/Rehab – 62

Gravity Sewer Pipe Repair – 1 site

Gravity Sewer Cleaning – 60,050 ft.

## Sewer Field Operations Activities – FY2020

- Continuing slip lining program
  - 1-2 miles per year
  - 17.6% of gravity system complete to date
  - No smoke testing proposed
- Manhole assessments
  - Manhole rehabilitation
- Gravity system cleaning

## Sewer Field Operations Activities – FY2020

- FOG Program
  - Mitigates fats, oils greases
  - Exterior interceptors
  - Interior traps
- Tracking new business through DRC process
- Certified letter for cleaning required
- Building FOG data base in GIS
- Visiting businesses to develop relationships

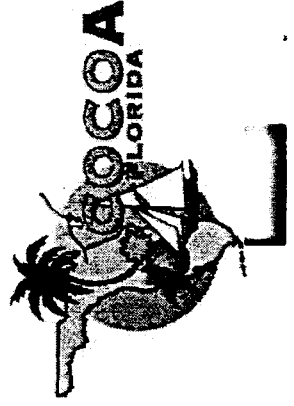
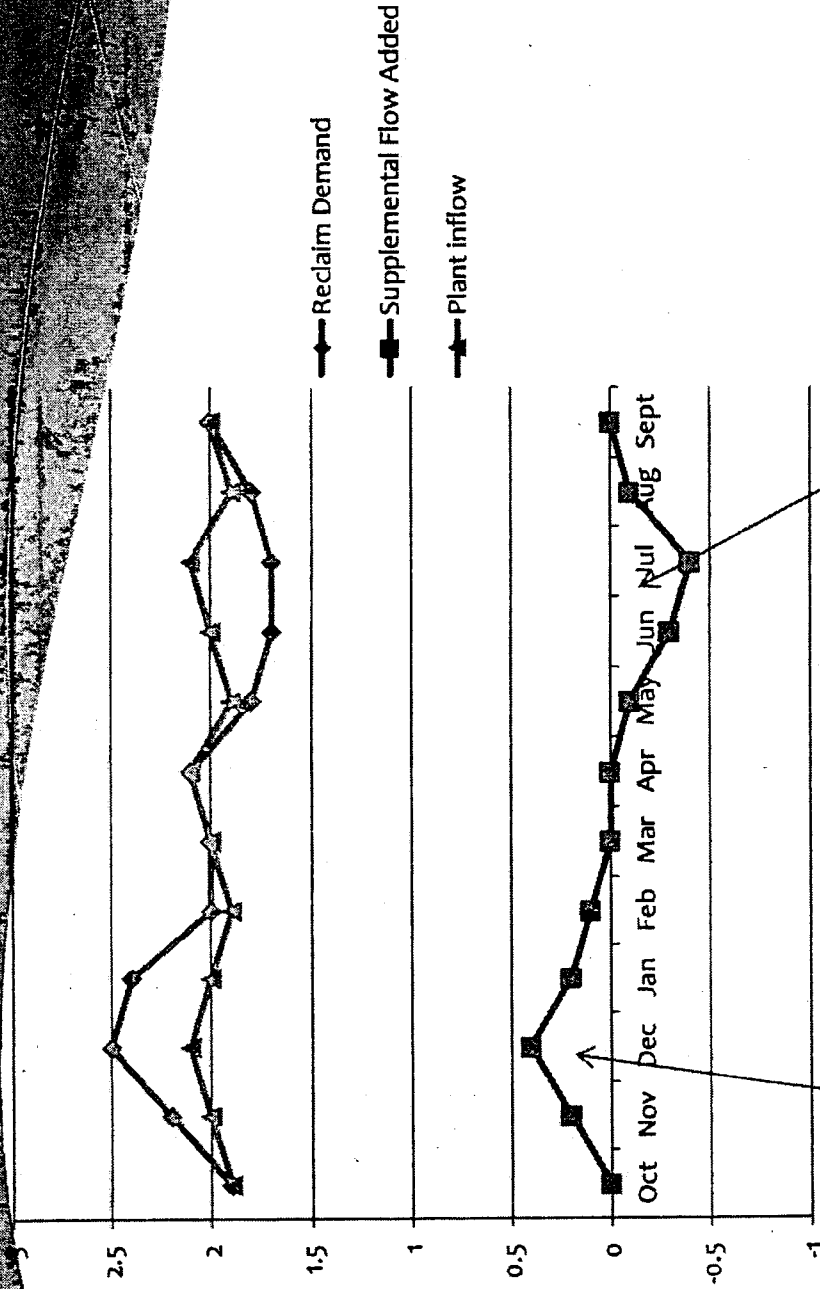
# Reclaimed Water

## Current Status

- Slow and steady growth of reclaim connections
- Reclaim utilization rate is ~96%
  - Measure of efficiency of sanitary sewer effluent used as reclaimed water
- Reclaim system is in balance with plant influent



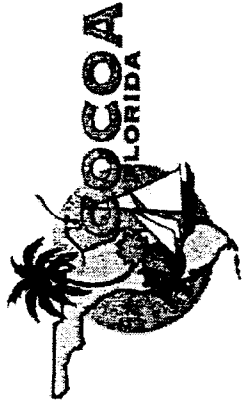
# Reclaimed Water - Example



# Reclaimed Water

## Future

- WQ - 26 Bracco Pond Irrigation System (Storm Water Master Plan)
- WQ - 29 2 Miles of Reclaimed Mains (Storm Water Master Plan)



# Cocoa Septic to Sewer

## Save Our Indian River Lagoon - Funded

- Funding available for areas “J” and “K”
- Scope and tasks
- Geotechnical, Surveying, Engineering –  
Bussen Engineering Group
- Schedule – approximately 10 months for plans
- Community meeting necessary (anticipated  
Feb/March)



# Septic to Sewer Funding

- **SJRWMD Cost Share**
  - District Wide
    - 33% funding construction costs
    - \$1.5M max per year
      - AWS/conservation
      - Flood
      - Natural systems
      - Water Quality/ nutrient loading
        - located within 0.25 miles water body (0.5 in 2021)
        - local ordinance enforceable
        - 50% commitment or better



# Septic to Sewer Funding

- SRF Loans
- Low interest loans for infrastructure projects
  - Loan, not a grant
  - Interest rates are below market
  - 20 year loan
  - Repayments starts after completion of the project
    - credit for Davis Bacon and American Iron
  - Requires facility master plans
  - More extensive engineering, needs alternatives
  - Certified payroll during construction,
  - 2% loan fee
  - Planning, Design or Construction can qualify



# BENEFITS of SOIRL

- The capital cost of the main line construction) gravity mains, lift stations, road repairs) will be covered by the SOIRL
- Potential overages or underestimated costs can potentially be covered
- Impact fees to new customers can be covered by SOIRL
- Service line connections, septic removals can also be covered by SOIRL thru a reimbursement by County to homeowner

# Potential Challenges of SOIRL

- Money is allocated but always subject to funding availability
- City of Cocoa customers could be held liable for portions of mainline construction if not enough people connect
- City of Cocoa customers could be held liable for the O&M costs in future if not enough people connect
- Reimbursements available to customers today may not be available in future years, so connecting as soon as the project is complete is critical

# Current Sewer Policy

- Current Cocoa Policy
- Code of Ordinances Chapter 22
- Article I
- Section 22-3
- (c) It shall be unlawful to install or to permit installation of a septic tank or other onsite sewage treatment or disposal system on any property within the city if the city's sewer system is available to serve the property



# Sewer Policy - continued

- o (e) The owner of all new houses, buildings or properties used for human occupancy, employment, recreation or other purposes situated within the city or outside the city and within the city's sewer service area pursuant to ch. 57-1232, Laws of Florida, and **abutting on any easement, street, alley or right-of-way** in which there is now located or may in the future be located an available public sanitary sewer of the city, **is hereby required at the owner's expense to install suitable and operable toilet facilities therein, and to connect such facilities at owner's expense with the city's sewer system in accordance with the provisions of this Code**, the Florida Statutes and the rules and regulations of the State Department of Health. **Connection to such facilities shall occur within three hundred sixty-five (365) days notice of availability of services**, in conjunction with a new development project, or as otherwise provided by law.



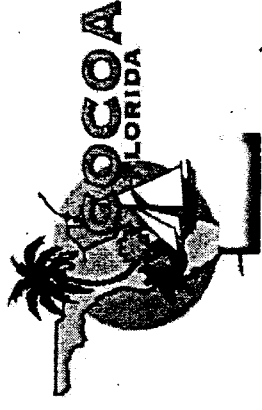
# Sewer Policy - continued

- Current Cocoa Policy
- Code of Ordinances Chapter 22
- Article I
- Section 22-9
- (e) Owner to bear costs. **All costs and expenses incidental to the installation and connection of the building sewer shall be borne by the owner.** The owner shall be responsible to the city for any loss or damage that may directly or indirectly be occasioned by the installation of the building sewer.



# Sewer Policy - continued

- Current Cocoa Policy
  - DISCUSSION
    - Develop an enforcement on current policy – 365 days to connect, no current consequence
  - OPTIONS
    - Charge customers the readiness to serve fixed fee
    - Create a penalty for non-compliance
    - What if County seeks return of cash due to non-compliance?
      - No minimum percentage to connect has been established
      - who pays for this impact?



# Capital Project Update

Project: North Tropical Trail Looping Improvements (WS1431)



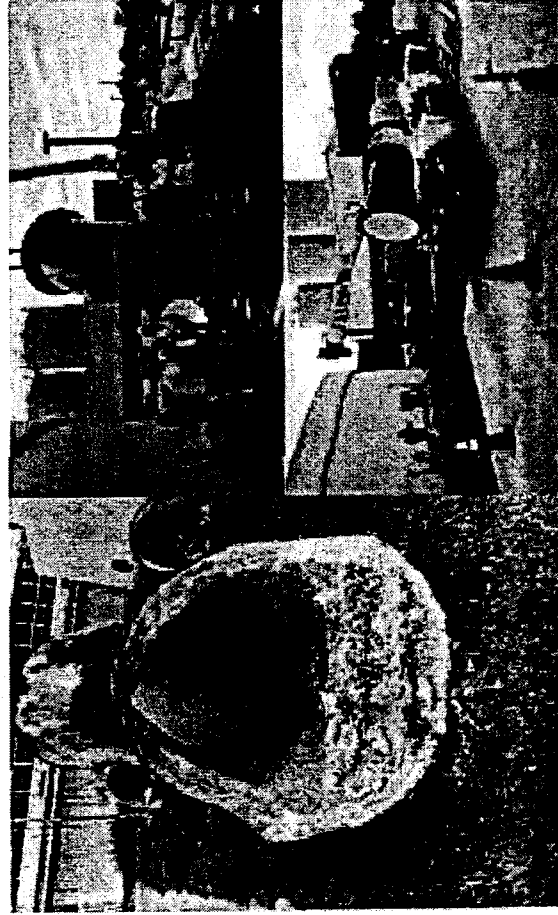
Residents of the Chase Hammock Road segment have been switched over to new 8" DIP water main. The Contractor is currently removing the old Asbestos Concrete water main.

- \* Located on two (2) areas of North Tropical Trail & one (1) area of Chase Hammock road.
- \* Scope includes the construction of approx. 7,100 feet of 8" DIP water main at these locations. Followed by the removal of approx. 3,600 feet of old 6" AC water main on CH road.
- \* Const. Cost = \$1,196,754.19 (approx. \$1.2 Mil)
- \* Currently 89% Complete
- \* Anticipated substantial completion 11/29/19
- \* Bond-Funded



# Capital Project Update

Project: Reactor Clarifier #1 Effluent Pipe Replacement (WS18DP)



The Contractor has removed old 48" steel pipe and butterfly valve (50+ years old) and is now preparing to install NEW 48" steel pipe and butterfly valve.

- \* Located at Dyal Water Treatment Plant
- \* Scope includes the removal and replacement of 48" reactor clarifier #1 effluent pipe and 48" butterfly valve.
- \* Const. Cost = \$317,198.00 (approx. \$0.32 Mil)
- \* Currently 86% Complete
- \* Anticipated substantial completion 11/02/19
- \* Bond-Funded



# Capital Project Update

Project: Groundwater Filters #1 and #4 Rehab (WS19FR)



The Contractor is currently working on rehabilitating Filter #1 at Dyal Water Treatment Plant.

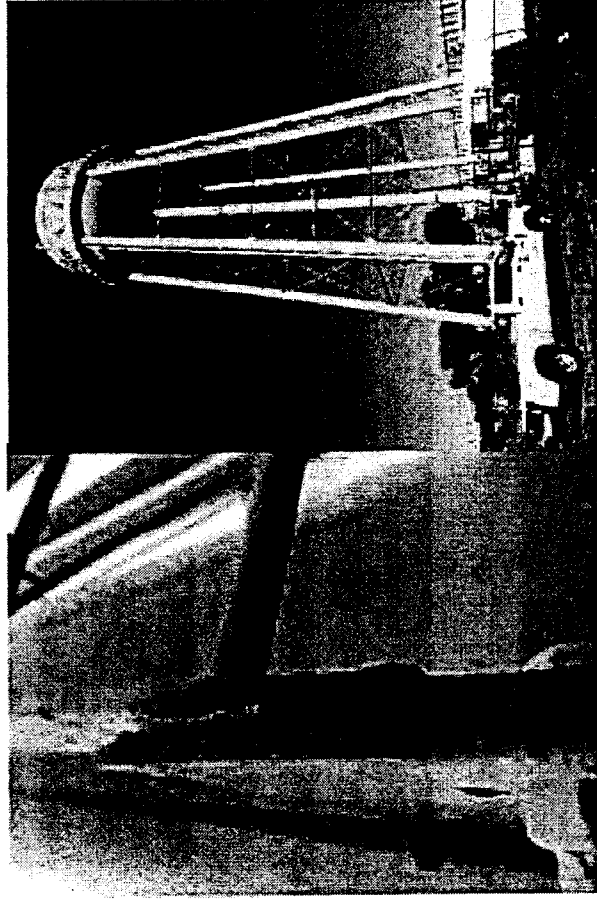
- \* Located at Dyal Water Treatment Plant
- \* Scope includes the removal and replacement of filter media and underdrain caps in GW Filters #1 and #4.
- \* Const. Cost = \$518,073.00 (approx. \$0.52 Mil)
- \* Currently 12% Complete
- \* Anticipated substantial completion 02/28/20
- \* Bond-Funded



# Capital Project Update

## Project Cidco Tank Ladder Repair (WS19LR)

- \* Located on Cidco road, Cocoa, FL
- \* Scope includes the replacement and repair of corroded ladder rungs, standoffs and the replacement of the fall arrest system.
- \* Const. Cost = \$44,000
- \* Currently 95% Complete
- \* Achieved substantial completion 10/14/19
- \* Bond-Funded



Contractor has repaired and replaced ladder rungs and standoffs that lost their structural integrity (e.g. left picture). The Contractor has also replaced the fall arrest system and installed anti-slip rung tape.



# Capital Project Update

## Project Sludge Valves Replacement (WS19SS)

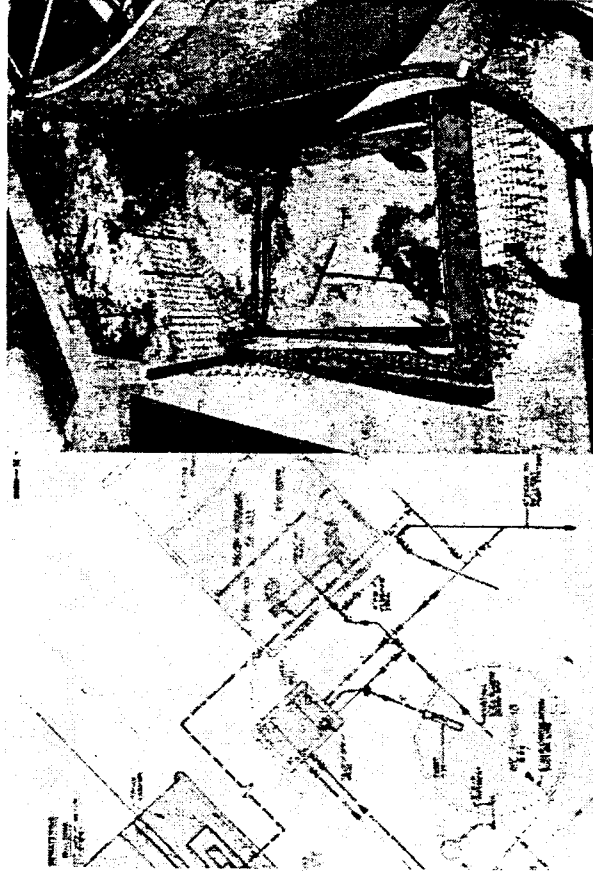
- \* Located at Sellers Water Reclamation Facility
- \* Scope includes the replacement of seven (7) plug valves and connecting piping and appurtenances between the sludge thickeners, digesters and filter press.

\* Const. Cost = \$84,700

\* Anticipated Start Date 10/28/19

\* Anticipated substantial completion 12/18/19

\* Bond-Funded

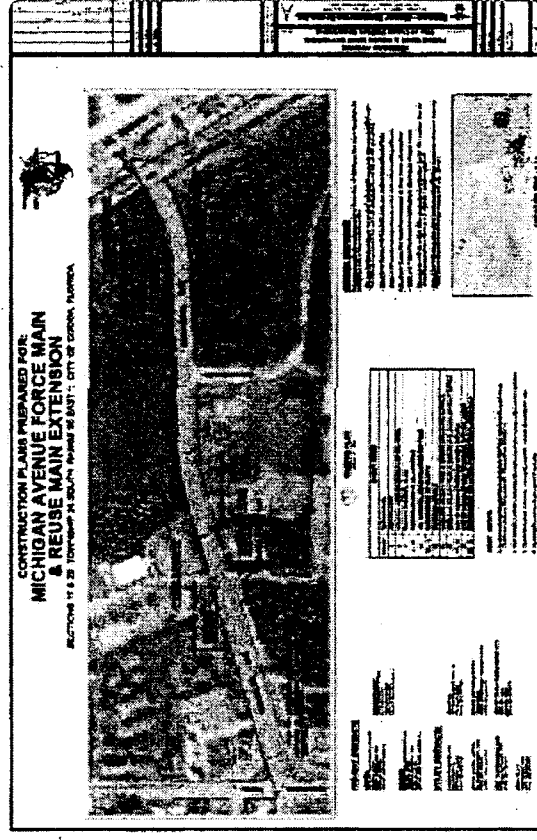


# Capital Project Update

Projects in Design: Michigan Ave FM and Reclaim (WS17MI)

- \* Scope includes the installation of 2,400 linear feet of 10" FM and 1,200 feet of 6" Reuse main along Michigan Avenue to connect the existing FM and Reuse mains on US1 and Clearlake Road.

- \* Construction Estimate - \$740,000
- \* Anticipated to Award construction contract in spring 2020.



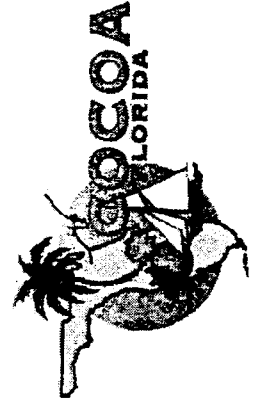
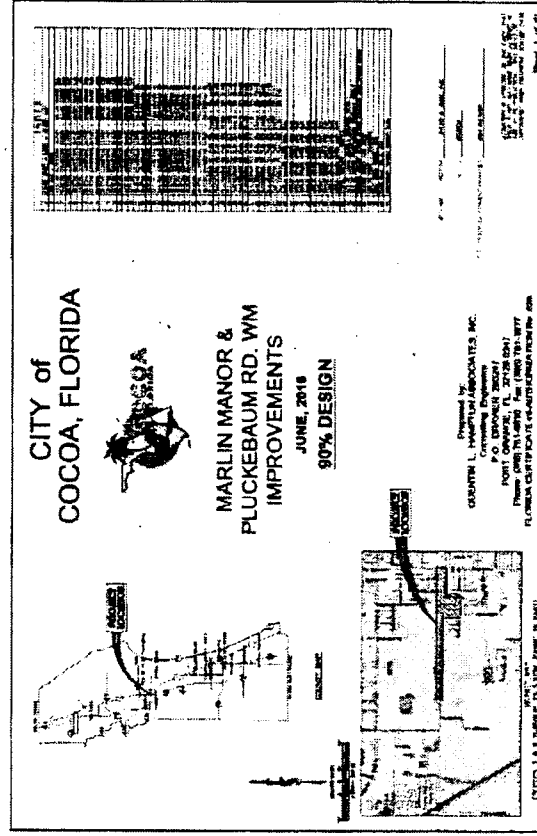
# Capital Project Update

## Projects in Design: Marlin Manor WM Improvements (WS16MM)

\* Scope includes the replacement of approximately 7,000 feet of water main within the Marlin subdivision, 1,500 feet of water main along Revilla Lane, and 6,800 feet of water main along Pluckebaum Road. Additional improvements include the addition of new fire hydrants, service lines, and meters with backflow preventers.

\* Construction Estimate - \$2,000,000

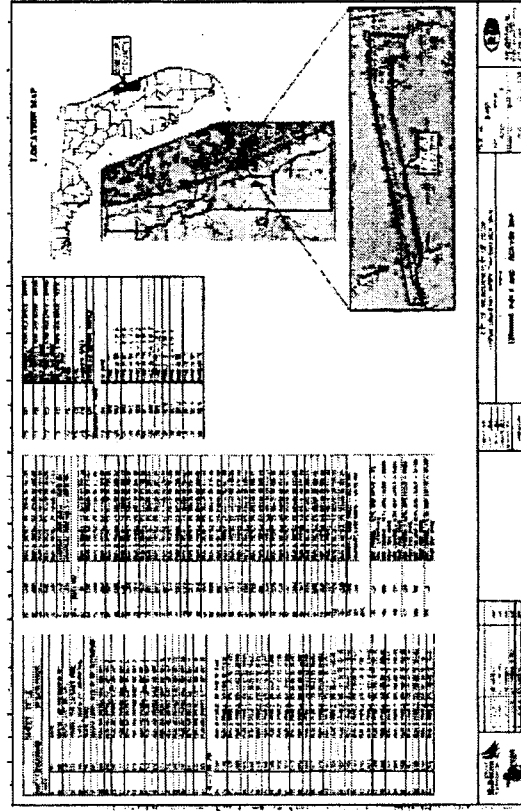
\* Anticipated to Award construction contract in spring 2020.



# Capital Project Update

Projects in Design: Pineda Water Main Crossing (WS18MI)

- \* Scope includes approximately 20,000 linear feet of 16" water main installed via open cut, jack and bore, and HDD installation methods. The pipe will run adjacent to the Pineda Causeway and tie into our existing system at Wickham Road, US1, Tropical Trail, and will terminate on Pineda in the ROW adjacent to Patrick Air Force Base.
- \* Joint project with the City of Melbourne.
- \* Construction Estimate (Cocoa Portion) - \$12.9 Mil
- \* Anticipated to Award construction contract in spring 2020.



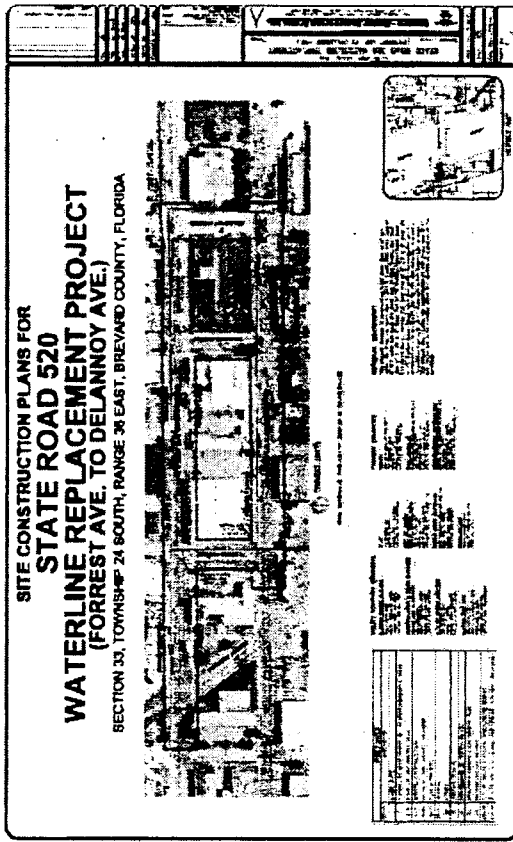
# Capital Project Update

Projects In Design SR 520 Water Main Improvements (WS1309)

\* Project scope includes the construction of 1,200 linear feet of 8" water main within Willard Street, 850 linear feet of 8" water main within King Street, 270 linear feet of 8" and 10" water main within Florida Avenue, 250 linear feet of 8" and 10" water main within Dellanoy Avenue. The project also includes the construction of 1200 linear feet of 4" reuse main within Willard Street. Mains will be installed using open cut, and horizontal directional drilling.

\* Construction Estimate - \$1,600,000

\* Anticipated to Award construction contract in spring 2020.



# Future

- **Advanced Metering Infrastructure**
- Completed study and financial analysis by Jacobs Eng., Inc.
  - Enhanced customer service access
  - Minimizes misreads, rereads,
  - Approximately 10-12% ROI, 8 year payback
  - \$18-20M investment – needs its own bond issuance
  - Re-purpose meter readers to Field Services
  - Schedule to be determined based on funding and city wide Enterprise Platform changes.

\* Previous study completed by WRA, Inc. recommended future AML conversion



# Future

## ○ Advanced Metering Infrastructure - continued

- Significant avoided costs
  - Avoid 9,000 billing reads
  - 14,000 maintenance reads
  - 18,000 move in/move out

Estimated 20,000 labor  
hours per year!

- Annual average benefit to the City
  - \$2.25M



# Future

- **PAFB and KSC Infrastructure Privatization**
- RFQ for water and sewer on hold by Federal Government
- Letters of Interest requested and submitted
- Significant costs to prepare and RFQ ~ \$1.5M
  - May require significant staffing changes and organizational changes for the utilities system

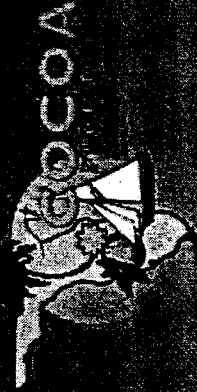


# Capital Projects

| Fiscal Year | Capital Program<br>Annual<br>Expenditure |  |
|-------------|------------------------------------------|--|
| 2010        | \$256,828                                |  |
| 2011        | \$408,298                                |  |
| 2012        | \$11,200,470                             |  |
| 2013        | \$13,435,742                             |  |
| 2014        | \$18,360,228                             |  |
| 2015        | \$16,410,854                             |  |
| 2016        | \$14,978,123                             |  |
| 2017        | \$17,480,197                             |  |
| 2018        | \$8,696,986                              |  |
| 2019        | \$6,113,741*                             |  |
| TOTAL       | \$107,333,276                            |  |

\* Data from Jacobs Eng.  
- Utilities Program Sept.  
2019 Report

# Website Information



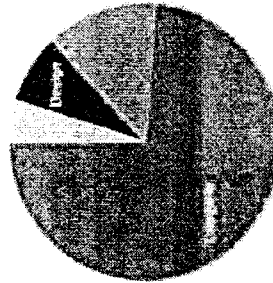
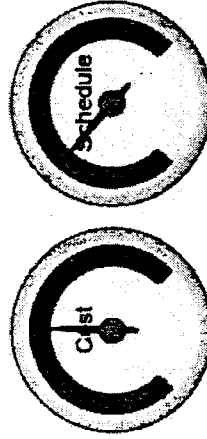
You are here: Home

## Cocoa Utilities Capital Improvement Program Dashboard

Current Statistics as of Sep. 27, 2019  
Overall Progress

### Cost & Schedule Performance

Program is on budget and behind schedule.



| Phase                 | Projects |
|-----------------------|----------|
| Planning              | 3        |
| Design                | 5        |
| Bid                   | 0        |
| Construction          | 8        |
| Complete              | 45       |
| <b>Total Projects</b> |          |

[CIP Home](#)

[Utilities Capital Improvement Program](#)

[Water Supply](#)

[Water Treatment](#)

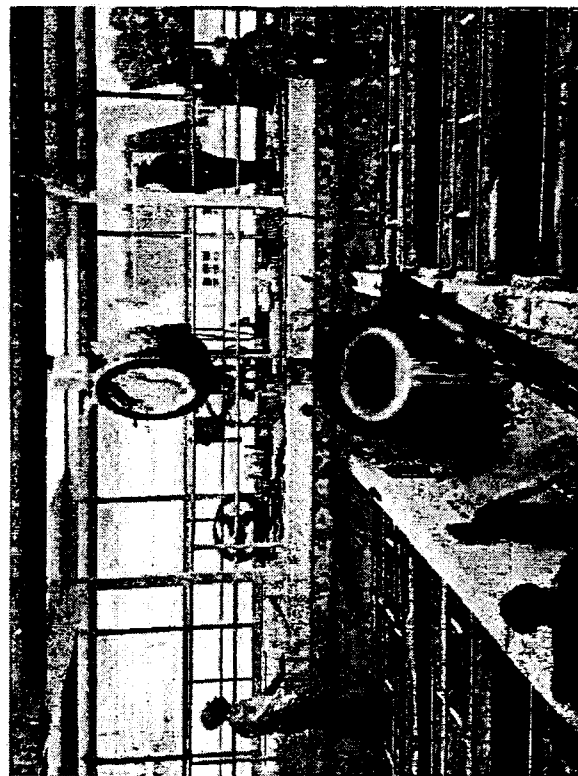
[Water Transmission and Distribution](#)

[Wastewater Collection and Conveyance](#)

[Reclaimed Water Transmission and Distribution](#)

[Official Cocoa, FL Website](#)

# QUESTIONS?



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