



Big Cypress Basin Capital Project Update

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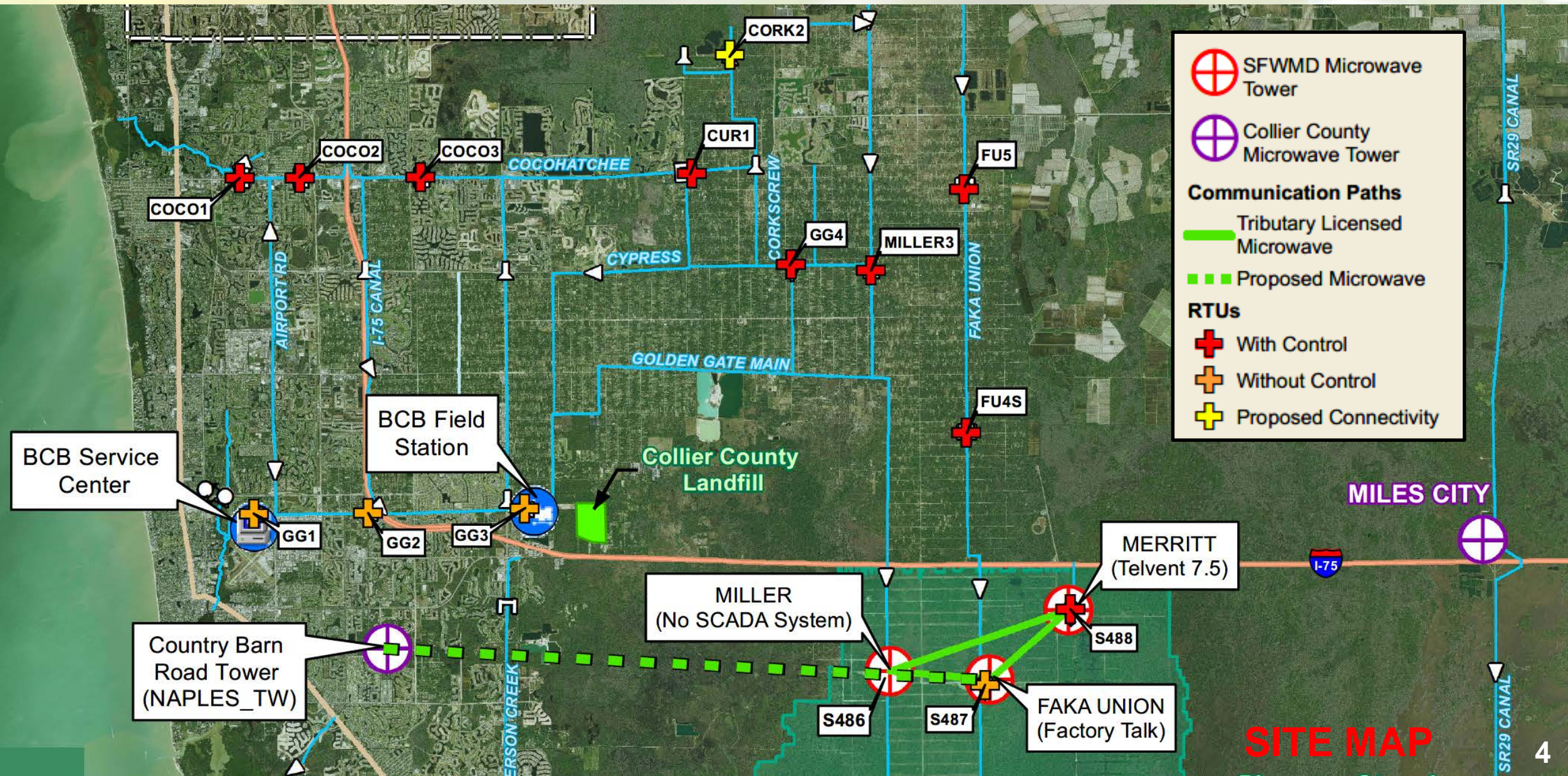


CORK1

Electrification & Remote Operations

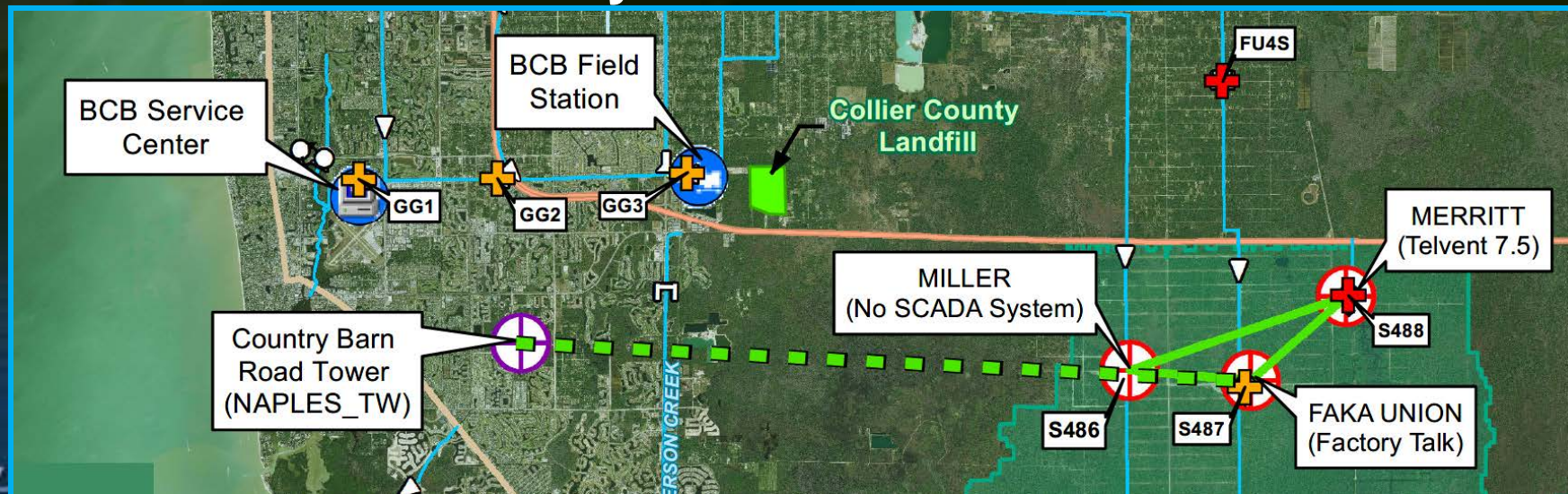
- Design work order executed with CSA Central in Sep 2017
- Package 1:
 - CORK1, CR951-1, CR951-2 – add powered operations only
 - Single bid received and negotiated price. Construction contract awarded at February 2020 Governing Board to Douglas N. Higgins, Inc. for \$639,777.80
 - Construction Management Services - executed Work Order with Chen Moore for \$126,630.17
- Package 2:
 - Includes CORK2 remote operations and FU5 generator building
 - Working on easement negotiations and completing design

Remote Monitoring and Communication



Remote Monitoring and Communication

- **GG1, GG2, & GG3:** upgrade control panels, program and test to provide convert from local control to remote operations. GG2 is complete, GG1 and GG3 to be completed by March
- The microwave link between FAKA Union and County Barn Road (Naples) towers is complete along with the installation of new base stations at both sites
- Executed contract for fiber installation at GG1 for \$70,938.25 as a pilot to test connection with remote telemetry units



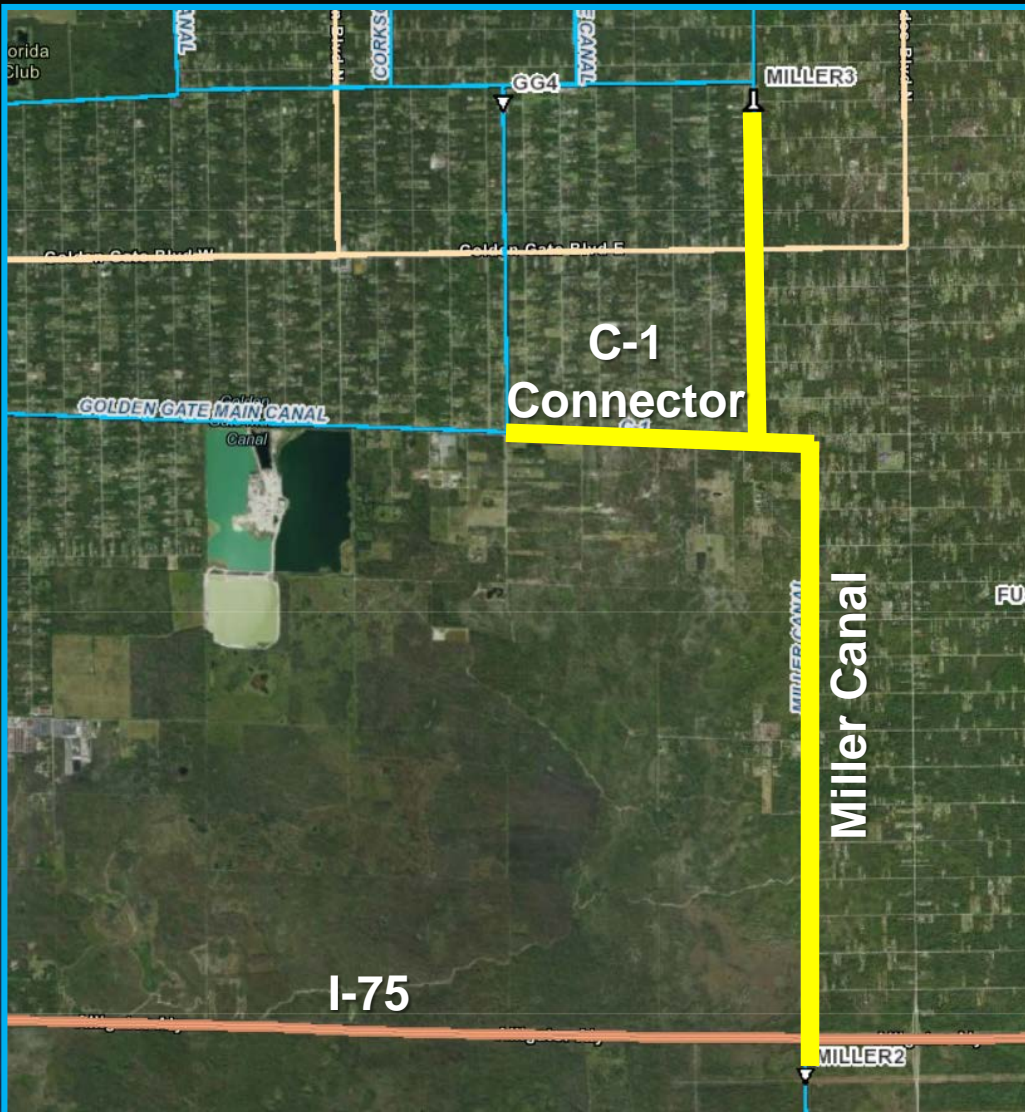
Canal Improvements



- Executed Work Order with Stanley Consultants, Inc. in the amount of \$357,878 for I-75 and Green Canal evaluations
- Includes survey, geotechnical, modeling for multiple design storms, and recommendations for canal improvements, removal of I-75 Weir #1, and excavation at intersection of I-75 and Golden Gate Main Canals
- Evaluation of I-75 Canal from Cocohatchee Canal south to Golden Gate Main Canal
- Evaluation of Green Canal from I-75 Canal east to Collier Boulevard

I-75

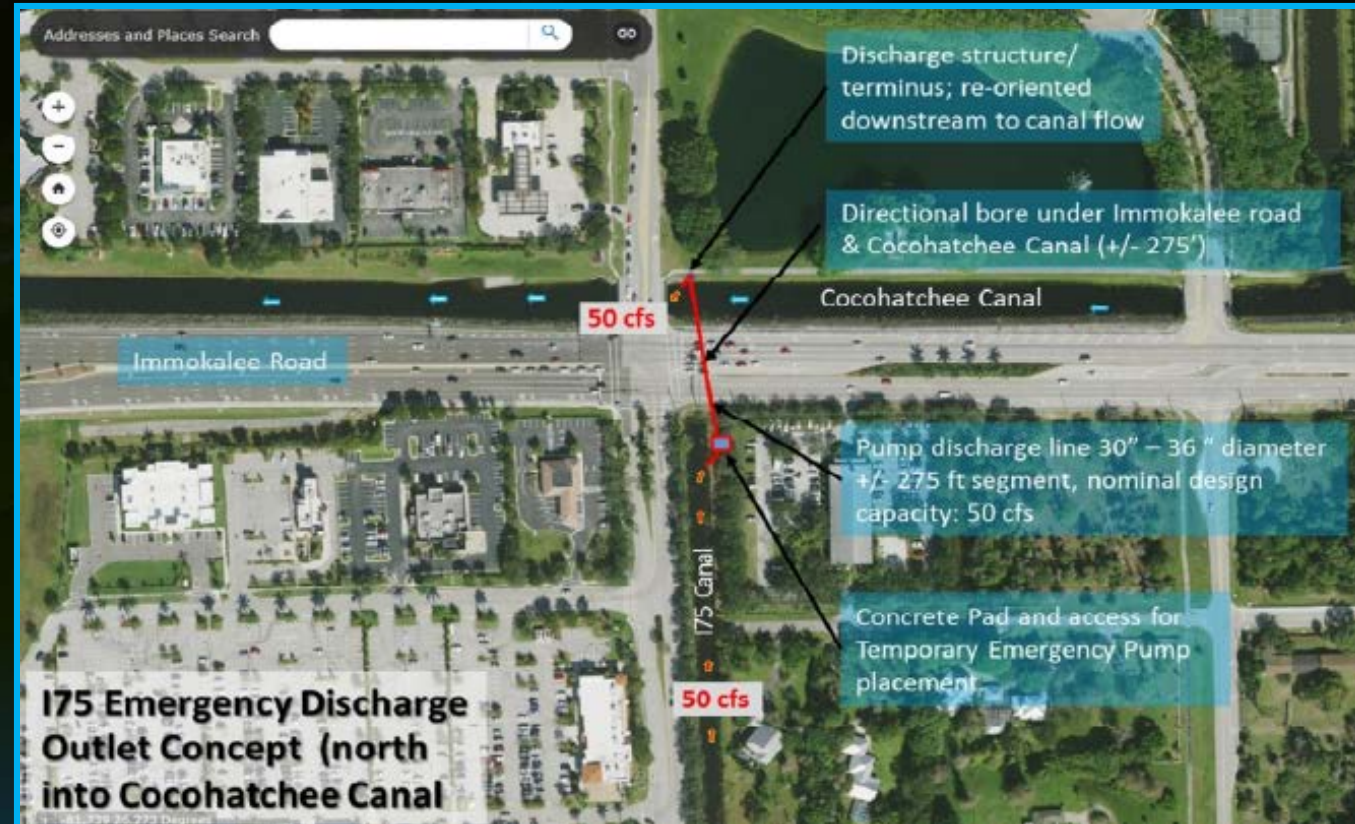
Canal Improvements



- Executed Work Order with Taylor Engineering, Inc. in the amount of \$604,422 for Miller and C-1 Connector Canal evaluations
- Includes survey, geotechnical, modeling for multiple design storms, and recommendations for canal improvements and a new C-1 Connector Structure
- Evaluation of Miller Canal from Miller 3 south to Miller 2 Structures
- Evaluation of C-1 Connector from Golden Gate Main to Miller Canal

I-75 & Cocohatchee Canal Interconnect and Emergency Pump Facility

- FY 2019-20 Collier County Agreement for \$500,000
- Two design alternatives were evaluated:
 - Directional bore under Immokalee Road & Cocohatchee Canal
 - Open cut Immokalee Rd
- Design constraints include:
 - Utilities, roadway, environmental, pump availability & deployment, and downstream conditions



I-75 & Cocohatchee Canal Interconnect and Emergency Pump Facility

- **Project benefits with alternatives & refined modeling**
 - Small flood level reduction (0-3" reduction) in I-75 Canal
 - Infrequent when Cocohatchee and I-75 are not flooded at the same time
 - Minimal flood reduction to the adjacent residential areas
- **Cost/Benefit Analysis**
 - Directional bore \$1.1m + mitigation + new pumps
 - Open cut \$650k + mitigation + new pumps
 - Negligible roadway and overland flooding reduction
- **In November 2019, Collier County Stormwater & SFWMD agreed continuation of project will not result in increased level of flood protection**
- **Final payment to Collier County is being processed**

Look Ahead

- 1) SCADA Stilling Well Package 1 – Final Design Plans Submittal in February, Ready to Advertise Plans in April**
- 2) Miller Weir #3 Gate Replacement – Final Design Plans Submittal in February, Ready to Advertise Plans in July**
- 3) Cypress Canal Structure #1 – Final Design Plans Submittal in March, Ready to Advertise Plans in December**

Questions?



Approved Fiscal Year 2019-2020 Capital Budget

BCB Capital Projects	Fiscal Year 2019-20 Adopted	Transfers In / Out	Fiscal Year 2019-20 Modified Adopted	Contractual Commitments	Available Funds	Work to be Funded
SCADA Replacements	\$300,000	\$0	\$300,000	\$711	\$299,290	\$500,000
Remote Monitoring and Communications	\$250,000	\$3,226	\$253,226	\$164,313	\$88,913	\$100,000
Cypress #1 Structure Relocation	\$250,000	\$0	\$250,000	\$0	\$250,000	\$0
Electrification and Remote Operations	\$1,100,000	\$134,374	\$1,234,374	\$866,876	\$367,498	\$0
Canal Improvements	\$600,000	\$362,400	\$962,400	\$962,400	\$0	\$0
C-1 Connector	\$500,000	(\$500,000)	\$0	\$0	\$0	\$0
Miller Weir #3 Gate Replacement	\$0	\$0	\$0	\$0	\$0	\$650,000
Fiscal Year 2018-2019 Carry Forward Available Funds					\$524,874	
Total - Capital Projects	\$3,000,000	\$0	\$3,000,000	\$1,994,300	\$1,530,575	\$1,250,000