

# Collier County Stormwater Management FY2017 Capital Program

Presentation to the

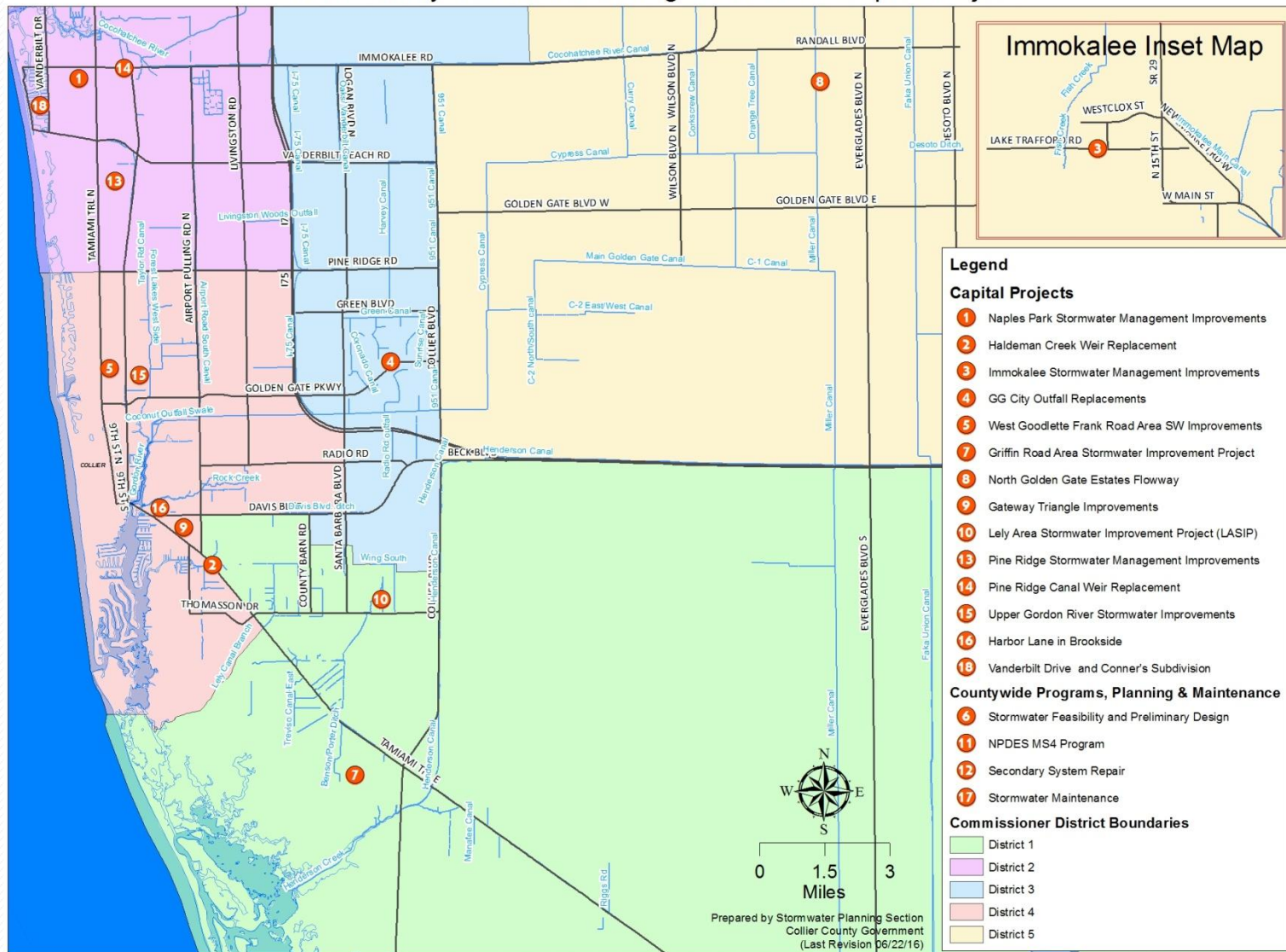
*COMPREHENSIVE  
WATERSHED IMPROVEMENT PROGRAM  
(CWIP) TECHNICAL ADVISORY AD HOC  
COMMITTEE*

*September 23, 2016*

# Background

- Capital program/projects receiving FY 17 funding on October 1, 2016
- Presented to the our partners SFWMD Big Cypress Basin on July 11, 2016
- Annual coordination of capital programs
- Total of 18 projects/items
- \$6,129,000

# Collier County Stormwater Management FY 17 Capital Projects



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## 1 - Naples Park Stormwater Management Improvements

- **Proposed Funding: \$1,392,000**
- Roadside swale reconstruction
- Includes all east-west streets in the Naples Park Subdivision

## 2 - Haldeman Creek Weir Replacement

- **Proposed Funding: \$1,000,000**
- **\$800,000 Big Cypress Basin Grant Awarded**
- Design and replacement of existing surface water management control structure at the freshwater/saltwater interface of Haldeman Creek

# Collier County Stormwater Management FY 17 Capital Projects

## 3 - Immokalee Stormwater Management Improvements

- **Proposed Funding: \$1,000,000**
- Master plan update
- Stormwater treatment pond acquisition
- Future improvement project design

## 4- GG City Outfall Replacements

- **Proposed Funding: \$500,000**
- Four-square-mile area of Golden Gate City
- Replacement and improvements to existing aging infrastructure:
  - Replaced old catch basins with ditch bottom inlets with grates
  - Installation of sumps at catch basins
  - Re-grading and sodding of swales to prevent erosion

# Collier County Stormwater Management FY 17 Capital Projects

## 5 - West Goodlette Frank Road Area SW Improvements

- **Proposed Funding: \$500,000**
- Coordination with the City of Naples Wastewater Collection System
- Address stormwater (flooding) issues
- Existing septic system failures during periods of high rainfall

## 6 - Stormwater Feasibility and Preliminary Design

- **Proposed Funding: \$300,000**
- Funds available for various feasibility studies which potentially may lead to future projects, preliminary cost estimates, planning studies, etc.

# Collier County Stormwater Management FY 17 Capital Projects

## 7 - Griffin Road Area Stormwater Improvement Project

- **Proposed Funding: \$300,000**
- Applied for SFWMD Cooperative Funding Grant May 20, 2016
- Construction of a water quality treatment area on Rookery Bay National Estuarine Research Reserve property
  - Adequate stormwater outfall

## 8 - North Golden Gate Estates Flowway

- **Proposed Funding: \$200,000**
- Analysis of linking multiple culvert installation areas under estates roads
- Potable water well field recharge and reduction of fresh water flows into Naples Bay via the Golden Gate Main Canal.



# Collier County Stormwater Management FY 17 Capital Projects

## 9 - Gateway Triangle Improvements

- **Proposed Funding: \$150,000**
- Water quality improvement/flood remediation pond
- Pumping station with two outfalls into Naples Bay via the Curlew Canal and the Brookside Canal

## 10 - Lely Area Stormwater Improvement Project (LASIP)

- **Proposed Funding: \$127,000**
- **Applied for SFWMD Cooperative Funding Grant May 20, 2016**
- Supplemental weir proposed in Lely Branch Canal
- Cures of negotiations resulting from the condemnation process for acquired easements



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## 11 - NPDES MS<sub>4</sub> Program

- **Proposed Funding: \$100,000**
- Development of and compliance with the federally mandated National Pollutant Discharge Elimination System (NPDES)
- Permitting program for the County-operated Municipal Separate Storm Sewer System (MS<sub>4</sub>)

## 12 - Secondary System Repair

- **Proposed Funding: \$100,000**
- Planning and execution on an as-needed or contingency basis unexpected necessary system infrastructure repairs or replacements
- Slightly more complex than typical operation and maintenance repairs, requiring some basic planning, permitting, design and construction oversight

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## 13 - Pine Ridge Stormwater Management Improvements

- **Proposed Funding: \$100,000**
- Replacement and improvements to existing aging infrastructure in Pine Ridge Estates such as catch basins, culverts and re-grading and sodding of swales

## 14 - Pine Ridge Canal Weir Replacement

- **Proposed Funding: \$100,000**
- Additional funds provided to continue structure replacement coordination which began in FY 15 - 16.

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## 15 - Upper Gordon River Stormwater Improvements

- **Proposed Funding: \$100,000**
- Partnership with several surrounding golf courses
- One or two water control structure replacements
- Exotic vegetation removal, and supplemental native vegetation plantings to improve water quality, flow conveyance and aquifer recharge

## 16 - Harbor Lane in Brookside

- **Proposed Funding: \$60,000**
- Funds available to begin a survey of the existing street and stormwater management system

# Collier County Stormwater Management FY 17 Capital Projects

## 17 - Stormwater Maintenance

- **Proposed Funding: \$50,000**
- Various maintenance activities associated with certain existing stormwater assets

## 18 - Vanderbilt Drive and Conner's Subdivision Stormwater Improvements

- **Proposed Funding: \$50,000**
- Additional funds provided to continue stormwater improvements coordinated in 2016 with the Public Utilities Department

# Other Trending Stormwater Initiatives

- Stormwater Utility
- RESTORE Funding Program
- Comprehensive Watershed Improvement Committee
- Sea Level Rise
- Peak Discharge Rate Reductions

# Questions??

