

ORDINANCE NO. 12-____

AN ORDINANCE AMENDING ORDINANCE NUMBER 89-05, AS AMENDED, THE COLLIER COUNTY GROWTH MANAGEMENT PLAN FOR THE UNINCORPORATED AREA OF COLLIER COUNTY, FLORIDA, BY AMENDING THE SANITARY SEWER SUBELEMENT OF THE PUBLIC FACILITIES ELEMENT TO PROVIDE FOR 2011 EVALUATION AND APPRAISAL REPORT (EAR) BASED AMENDMENTS TO THE GROWTH MANAGEMENT PLAN; BY PROVIDING FOR SEVERABILITY; AND BY PROVIDING AN EFFECTIVE DATE.

WHEREAS, the Board of County Commissioners adopted the Collier County Growth Management Plan on January 10, 1989; and

WHEREAS, Collier County has held public hearings to provide for and encourage public participation throughout the 2011-12 plan amendment process; and

WHEREAS, Collier County did submit the 2011-12 Growth Management Plan amendments to the Department of Economic Opportunity for preliminary review on May 03, 2012; and

WHEREAS, the Department of Economic Opportunity did review and did not make written objections to the amendments to the Growth Management Plan and transmitted the same in writing to Collier County within the time provided by law; and

WHEREAS, Collier County has 60 days from receipt of the Objections, Recommendations and Comments Report from the Department of Economic Opportunity to adopt, adopt with changes or not adopt the proposed amendments to the Growth Management Plan; and

WHEREAS, the Collier County Planning Commission held a public hearing on the adoption of the amendments to the Growth Management Plan on October 30, 2012; and

WHEREAS, the Board of County Commissioners of Collier County did take action in the manner prescribed by law and did hold public hearings concerning the adoption of the amendments to the Growth Management Plan on December 11, 2012; and

WHEREAS, all applicable substantive and procedural requirements of law have been met; and

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF COUNTY COMMISSIONERS OF COLLIER COUNTY, FLORIDA, that:

Words underlined are added; words struck through are additions; words with

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SECTION ONE: ADOPTION OF AMENDMENTS TO THE SANITARY SEWER SUBELEMMENT OF THE PUBLIC FACILITIES ELEMENT OF THE GROWTH MANAGEMENT PLAN.

The Board of County Commissioners hereby adopts the amendments to the Sanitary Sewer Subelement of the Public Facilities Element attached hereto as Exhibit "A" and incorporated herein by reference.

SECTION TWO: SEVERABILITY.

If any phrase or portion of this Ordinance is held invalid or unconstitutional by any court of competent jurisdiction, such portion shall be deemed a separate, distinct and independent provision and such holding shall not affect the validity of the remaining portion.

SECTION THREE: EFFECTIVE DATE.

The effective date of these plan amendments, if the amendments are not timely challenged, shall be 31 days after the state land planning agency notifies the local government that the plan amendment package is complete. If timely challenged, these amendments shall become effective on the date the state land planning agency or the Administration Commission enters a final order determining this adopted amendment to be in compliance. No development orders, development permits, or land uses dependent on these amendments may be issued or commence before it has become effective. If a final order of noncompliance is issued by the Administration Commission, this amendment may nevertheless be made effective by adoption of a resolution affirming its effective status, a copy of which resolution shall be sent to the state land planning agency.

PASSED AND DULY ADOPTED by the Board of County Commissioners of Collier County this ____ day of December, 2012

ATTEST:
DWIGHT E. BROCK, CLERK

BOARD OF COUNTY COMMISSIONERS
COLLIER COUNTY, FLORIDA

By: _____
 , Deputy Clerk

BY: _____
 FRED W. COYLE, Chairman

Approved as to form and
legal sufficiency:

HAC
11/9/12

Heidi Ashton-Cicko
Managing Assistant County Attorney

Attachment: Exhibit "A"

2011 EAR-BASED ADOPTION - SANITARY SEWER SUBELEMENT OF THE PUBLIC FACILITIES ELEMENT
Rev. 09/24/12

CP\12-CMP-00848\25

Words underlined are added; words struck through are additions; words with
*** indicates a page break

Exhibit “A”

¶ GOALS, OBJECTIVES AND POLICIES

[Revised text, page 2]

GOAL:

[Revised text, page 2]

TO PROTECT THE HEALTH AND SAFETY OF THE PUBLIC BY ENSURING ACCESS TO ENVIRONMENTALLY SOUND, COST EFFECTIVE AND IMPLEMENTABLE WASTEWATER TREATMENT AND SANITARY SEWER FACILITIES AND SERVICES.

OBJECTIVE 1:

[Rephrased to improve format as an “objective”, revised text,
page 2]

~~The County will implement the following policies to m~~ Make certain that public and private sector sanitary sewer service utilities provide, repair and/or replace sanitary sewer collection, treatment and disposal facilities to correct existing deficiencies in their respective service areas, as may be required to meet or exceed the Level of Service Standards established in this Plan. In addition, public sector sanitary sewer service utilities will be expanded as necessary to provide for future growth.

Policy 1.2:

[Revised text, pages 2, 3]

Consistent with the growth policies of the Future Land Use Element of this Plan, provision of central sanitary sewer service by the County is limited to: the service areas shown in this Plan and depicted on the Collier County Sewer District ~~Boundaries maps; the Existing and Future Sewer Service Areas maps (Figure SS-1 WT-1 and Figure SS-1.1), which includes the Rural Transition Water and Sewer District (Figure SS-2 and Figure SS-2.1);~~ Sending Lands within the Rural Fringe Mixed Use District when Density Blending, as provided for in the Density Rating System of the Future Land Use Element, is utilized; and, to areas where the County has legal commitments to provide facilities and services as of the date of adoption of this Plan. Additionally, the County, at its discretion, may serve Towns, Villages, Hamlets, and Compact Rural Developments within the Rural Lands Stewardship Area Overlay (RLSA); presently, the County has no plans to serve any portion of the RLSA. This Overlay is depicted on the countywide Future Land Use Map and map series.

Within the RLSA: Hamlets and Compact Rural Developments one hundred (100) acres or less in size may be served by central sewer facilities; Towns, Villages and those Compact Rural Developments greater than one hundred (100) acres in size are required to be served by central sewer facilities; and, Compact Rural Developments that are one hundred (100) acres or less in size may be required to be served by central sewer facilities, depending upon the permitted uses within the Compact Rural Development. The private sector, Collier County, an independent wastewater authority, or some other non-County utility provider may provide these facilities.

For the purposes of this ~~p~~Policy and ~~p~~Policies 1.4, 5.1, and 5.3 of this Sub-Element, within the RLSA, the term “central sewer facilities” includes decentralized community treatment systems and innovative alternative wastewater treatment systems such as decentralized community treatment systems, provided that they meet criteria of Chapter 64E-6 F.A.C.

A decentralized community wastewater treatment system shall not exceed a design capacity of 10,000 gallons per day, shall provide an advanced secondary level of treatment, and shall be operated by a public or private entity with responsibility for operations and maintenance in accordance with Chapter 64E-6 F.A.C. System facilities located on individual lots or parcels shall have a utility easement to allow for access and maintenance of the system by the operating entity. The system shall be designed to meet the adopted level of service standards set forth in Policy 2.1 of this Sub-Element.

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Policy 1.5:

[Revised text, page 3]

Collier County shall permit development of package sewage treatment plant systems in areas identified in Policy 1.2, on an interim basis until County service is available. The County shall allow individual septic systems within the County only when connection to an existing central system is not within 200 lineal feet of the closest property line. In portions of the County where septic systems are allowed, at such time as County ~~or other central sewer~~ service becomes available within 200 lineal feet of the property line, said septic systems will be required to connect to the appropriate ~~central sanitary sewer~~ centralized wastewater treatment system.

Within the Rural Lands Stewardship Overlay, consistent with Policy 1.2: septic systems are permitted within Hamlets; septic systems may or may not be permitted in Compact Rural Developments one hundred (100) acres or less in size depending upon the permitted uses in the Compact Rural Development; and, septic systems are not permitted in Towns, Villages, and those Compact Rural Developments greater than one hundred (100) acres in size. However, in Towns, Villages, and those Compact Rural Developments greater than one hundred (100) acres in size, septic systems are allowed to serve no more than 100 acres, on an interim basis only, until ~~central~~ centralized wastewater treatment system service is available.

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Policy 1.7:

[Revised text, page 4]

Where Community Development Districts, or similar special districts are established to provide a tool for developers to finance infrastructure or other purposes, wholly or partially within the Collier County Water-Sewer District, sewer service shall be connected to the regional system, and all facilities shall be conveyed, when acceptable, to the Collier County Water-Sewer District for operation and ownership in accordance with Collier County Ordinance Number ~~01-57, adopted October 23, 2001~~ 04-31, adopted May 11, 2004, and District construction and operating policies.

OBJECTIVE 2:

[Rephrased to improve format as an “objective”, revised text, page 4]

Ensure wastewater treatment system capacity is available or will be available to serve development.

Policy 2.0.1:

No development order shall be issued by Collier County without demonstration that ~~sanitary sewer~~ wastewater treatment facility capacity that meets or exceeds the minimum Level of

Service Standards established herein is available or will be available to serve the development under the guidelines established for concurrency in the Capital Improvement Element of this Plan.

Policy 2.1: [Revised text, pages 4, 5]
~~The following Level of Service (LOS) standards are hereby adopted and shall be used as the basis for determining the availability of facility capacity and the demand generated by a development:~~

FACILITY SERVICE AREA	LEVEL OF SERVICE STANDARD
Collier County Facilities	
North Sewer Service Area	145 gped
South Sewer Service Area	100 gped
Southeast Sewer Service Area	120 gped
Northeast Sewer Service Area	120 gped
Mareo Island Sewer District	
Mareo Shores	100 gped
City of Naples Facilities	
Unincorporated Service Area	145 gped
Everglades City Facilities	
Unincorporated Service Area	100 gped
Independent Districts	
Orangetree Utilities	100 gped
Immokalee Water and Sewer District	100 gped
Florida Governmental Utility Authority	100 gped

~~Private Sector Systems *~~

~~* The standards hereby adopted are the sewage flow design standards in Chapter 64E-6008, Florida Administrative Code, unless otherwise approved by the Board of County Commissioners to address economic, social and construction method variations between individual systems.~~

Policy 2.1:
The levels of service standards (LOSS) for Collier County wastewater treatment facilities appear in Policy 1.5; subsection “E” in the Capital Improvement Element.

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Policy 2.3: [Revised text, page 5]
 These LOS standards are the minimum criteria for replacement, expansion or increase in capacity of sanitary sewer wastewater treatment facilities

Policy 2.4: [Revised text, page 5]
~~The County shall annually review historical sanitary sewer demand records and adjust the LOS standards, as referenced in Policy 2.1, if so indicated by said annual review. The Collier County Water-Sewer District shall review historical sanitary sewer demand records during Collier County Wastewater Master Plan updates and adjust the LOS standards, as referenced in Policy 2.1, if needed.~~

OBJECTIVE 3: [Rephrased to improve format as an “objective”, revised text, page 5]
~~The County shall continue to e~~ Ensure utilization of environmentally sound and economically beneficial methods for disposal of treated sludge and septage, ~~and shall also ensure that such practices are followed by private utilities regulated by the County.~~

Policy 3.1: [Revised text, page 6]
~~The County shall maintain sludge de-watering and stabilization facilities for use by County wastewater treatment operations to produce sludge de-watered and stabilized to a degree suitable for use as cover material for County landfills or to be used for any suitable manner that is permitted by law. The County shall ensure that private wastewater utilities regulated by the County follow such practices.~~

OBJECTIVE 4: [Rephrased to improve format as an “objective”, revised text, page 6]
~~The County will continue to p~~ Promote the use of treated wastewater effluent for irrigation purposes in order to provide an environmentally sound disposal method and to conserve potable water and groundwater supplies by developing and implementing an integrated, comprehensive strategy for the following Ppolicies.

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Policy 4.6: [Revised text, page 6]
~~The County shall promote the use of xeriscape techniques (drought resistant landscaping) to minimize potable water use for landscape irrigation.~~

The County will encourage Florida-Friendly Landscaping™ to reduce the generation of yard waste, reduce water consumption, and improve water quality. Section 373.185, F.S., defines Florida-Friendly Landscaping™ as using quality landscapes that conserve water, protect the environment, adapt to local conditions and tolerate drought.

Policy 4.7: [Revised text, page 7]
~~The County shall seek to expand~~ and prioritize the availability of irrigation water from supplemental sources, such as dual water systems within Community Development Districts, other special districts, and Planned Unit Developments, through connection of such sources to the County’s reclaimed water system.

OBJECTIVE 5: [Rephrased to improve format as an “objective”, revised text, page 7]
~~The County shall d~~ Discourage urban sprawl and the proliferation of private sector wastewater treatment utilities and sanitary sewer service suppliers in an effort to maximize the use of

existing public facilities through the development order approval process by implementing the following policies.

Policy 5.1:

[Revised text, page 7]

The County shall discourage urban sprawl by permitting universal availability of central sanitary sewer systems only: in the Designated Urban Area, in the Designated Urban-Rural Fringe Transition Zone Overlay, in Receiving and certain Neutral Lands within the Rural Fringe Mixed Use District, and in the Rural Settlement District, all of which are depicted on the Future Land Use Map, and in Towns, Villages, Hamlets, and Compact Rural Developments within the Rural Lands Stewardship Area Overlay. These areas are further identified as: within the Collier County Sewer District Existing and Future Sewer Service Areas Boundaries depicted on Figure SS-1 WT-1 of the Sanitary Sewer ~~this~~ Sub-element, except the outlying urban areas of Immokalee, Copeland, Chokoloskee, Plantation Island, and Port of the Islands; within the Rural Lands Stewardship Area Overlay, as each Town, Village, Hamlet and Compact Rural Development is designated; ~~or within the Rural Transition Water and Sewer District Boundaries on Figure SS-2 of the Sanitary Sewer Sub-element;~~ or in Sending Lands within the Rural Fringe Mixed Use District when Density Blending, as provided for in the Density Rating System of the Future Land Use Element, is utilized; and, in areas where the County has legal commitments to provide facilities and service outside the Urban Area as of the date of adoption of this Plan.

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Policy 5.3:

[Revised text, pages 7, 8]

As provided for in the Rural Lands Stewardship Area Overlay, and in Policy 1.2, central sewer facilities are permitted in Towns, Villages, Hamlets, and Compact Rural Developments. Though not anticipated, it is possible that central sanitary sewer collection lines may extend through lands not designated as a Town, Village, Hamlet or Compact Rural Development; no properties designated other than as a Town, Village, Hamlet or Compact Rural Development are permitted to connect to these collection lines. Under criteria, properties located outside of the existing sewer service area but within the future service area, as depicted on the Collier County Sewer District Existing and Future Sewer Service Areas map (Figure WT-1) of this Sub-Element, may be eligible for central sanitary sewer service from ~~Collier County Utilities, or an existing public or private sector utility, or independent district, within the Receiving Areas identified in the Rural Transition Water and Sewer District, depicted on the Existing and Future Sewer Service Areas map (Figure SS-2) of the Sanitary Sewer Sub-Element,~~ subject to availability. Qualifying criteria shall be limited to the requirements and incentives established in the Future Land Use Element and Conservation and Coastal Management Elements of this Plan to obtain preservation standards established for environmentally sensitive lands in the Sending ~~Areas~~ Lands of the Rural Fringe Mixed Use District (RFMUD). Criteria for central sanitary sewer ~~or wastewater treatment~~ service eligibility may include, but are not limited to, plans for development, which utilize creative planning techniques such as clustering, density blending, rural villages, and transfer of development rights (TDRs) from RFMUD Sending Lands identified environmentally sensitive areas. Criteria for eligibility may be amended and additional Sending and Receiving Lands may be designated in the future. Central Sanitary Sewer ~~or wastewater treatment~~ collection lines, ~~within the Rural Transition Water and Sewer District,~~ may extend through

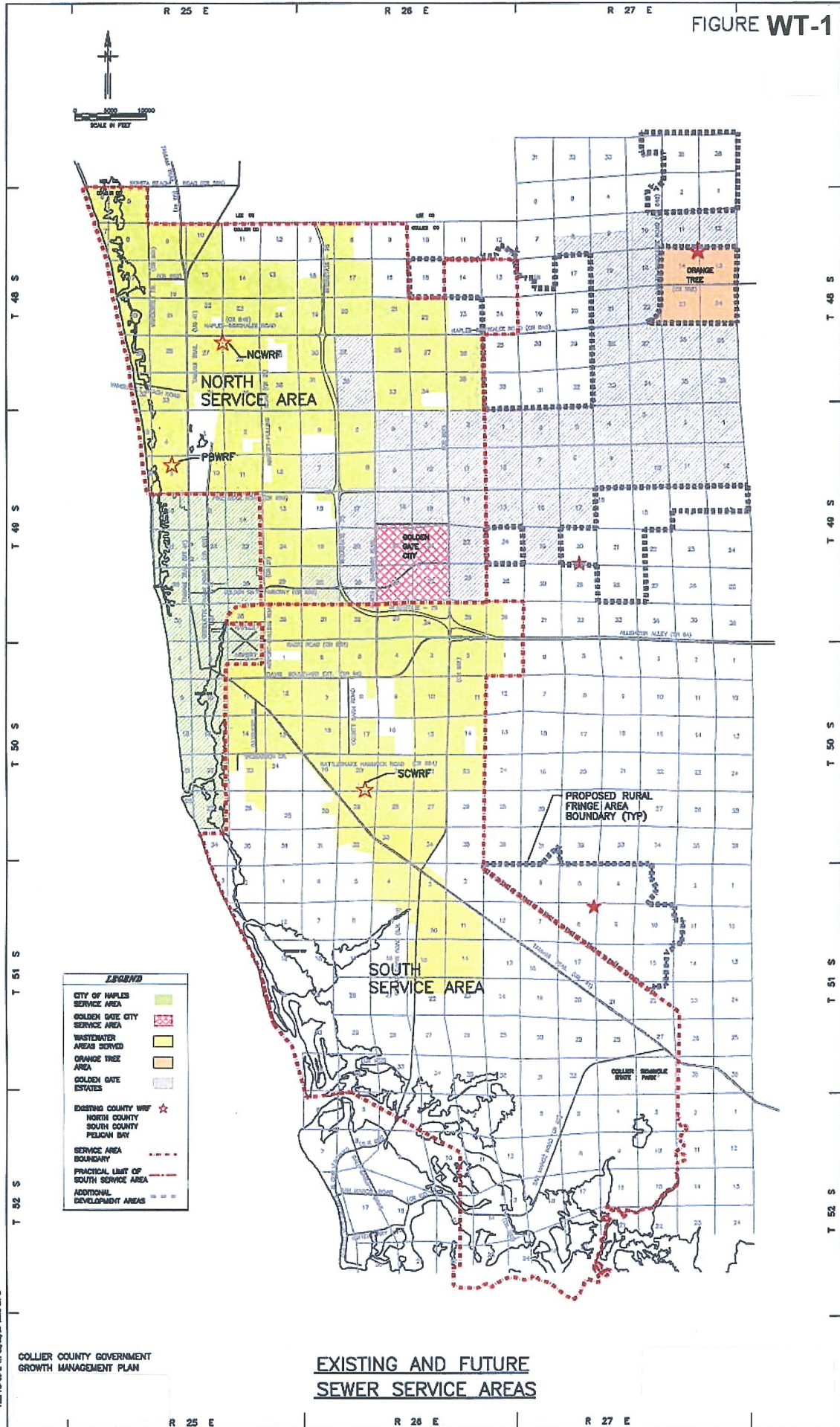
Sending Lands; however, no properties designated as Sending Lands may connect to the collection lines.

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MAP CHANGES:

1. Figure SS-1.1, Collier County Sewer District Boundaries
[Deleted figure, following Sub-Element text]
 - This map has the same title as Figure SS-1 and is incorrect. This map, and references to it in Policies, are deleted.
2. Figure SS-2.1, Existing and Future Sewer Service Areas
[Deleted figure, following Sub-Element text]
 - This map has the same title as Figure SS-2 and is incorrect. This map, and references to it in Policies, are deleted.
3. Figure SS-1, Collier County Sewer District Boundaries
[Deleted figure, following Sub-Element text]
 - This map is referenced in multiple Policies. The references are accurate, but the figure referenced will be the “Existing and Future Sewer Service Areas” below. This figure is deleted.
4. Figure SS-2, Existing and Future Sewer Service Areas
[Revised figure, following Sub-Element text]
 - This map is referenced in the same Policies as Figure SS-1. This map is re-titled to “WT-1”.
5. Figure SS-3, North Sewer Service Area
[Deleted figure, following Sub-Element text]
 - This map is not referenced in any Objective or Policy and is deleted.
6. Figure SS-4, South Sewer Service Area
[Deleted figure, following Sub-Element text]
 - This map is not referenced in any Objective or Policy and is deleted.
7. Table SS-14, Capital Improvement Projects FY 2003-2007
[Deleted figure, following Sub-Element text]
 - This table is not referenced in any Objective or Policy and is specific to the Collier County Water-Sewer District. For those reasons, this table is deleted.

FIGURE WT-1



FILE NO. 14-000000-000000

COLLIER COUNTY GOVERNMENT
GROWTH MANAGEMENT PLAN

R 25 E R 26 E R 27 E







T 48 S
T 49 S
T 50 S
T 51 S
T 52 S

FIGURE SS-1.1

Legend

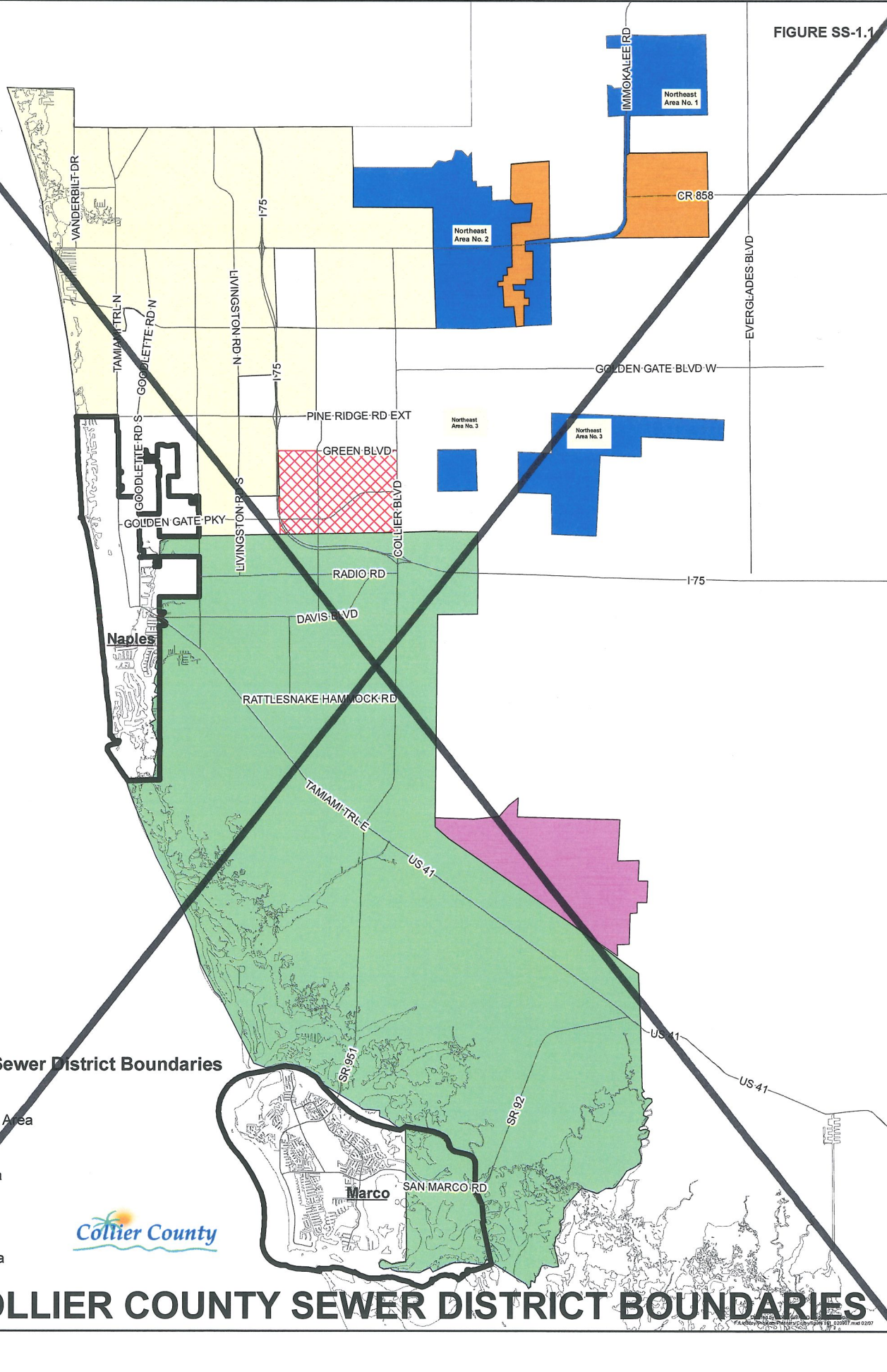
Collier County Sewer District Boundaries

Entity

-  FGCU Service Area
-  North Area
-  Northeast Area
-  Orange Tree
-  South Area
-  Southeast Area



COLLIER COUNTY SEWER DISTRICT BOUNDARIES









ES&S Engineering, Inc. 10/2007 mtd 0207

FIGURE SS-2

Legend

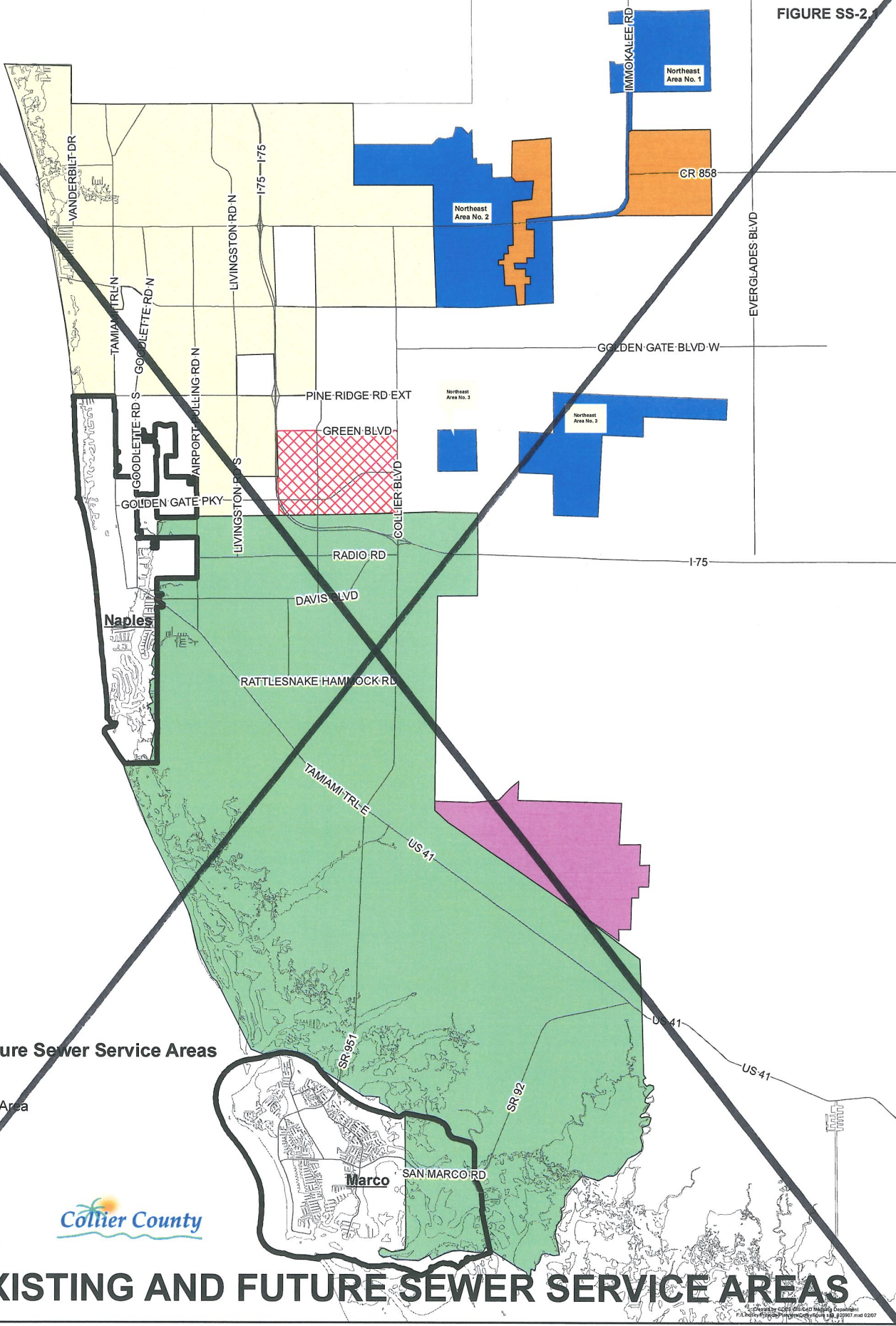
Existing and Future Sewer Service Areas

Entity

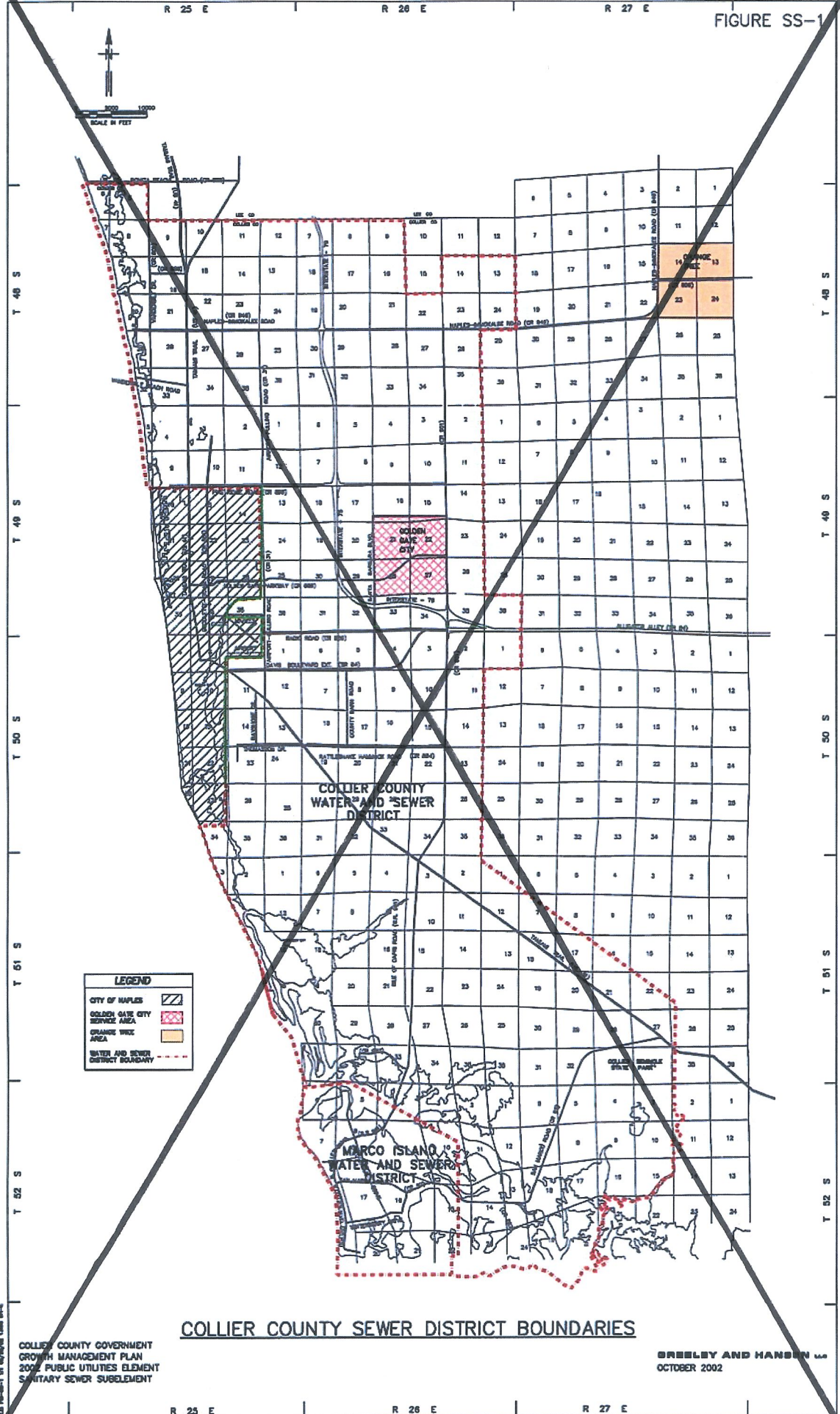
-  FGCU Service Area
-  North Area
-  Northeast Area
-  Orange Tree
-  South Area
-  Southeast Area



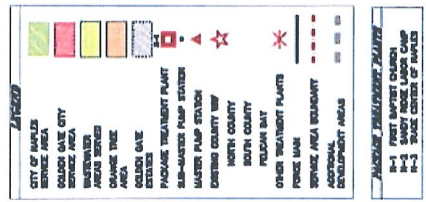
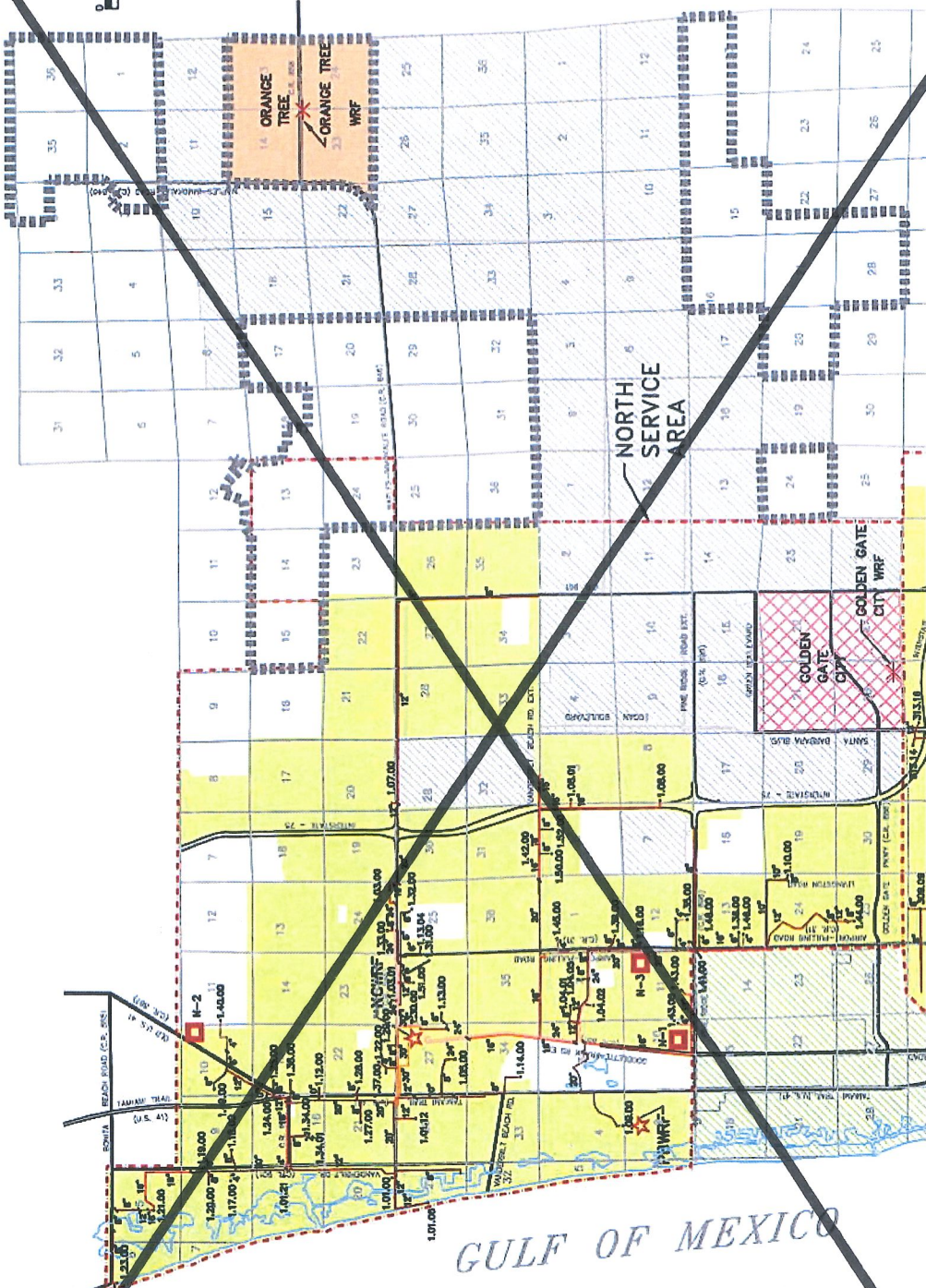
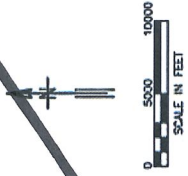
EXISTING AND FUTURE SEWER SERVICE AREAS



Prepared by Collier County Planning Department
Final Report: Regional Growth Management Plan 2007 and 2027



COLLIER COUNTY SEWER DISTRICT BOUNDARIES



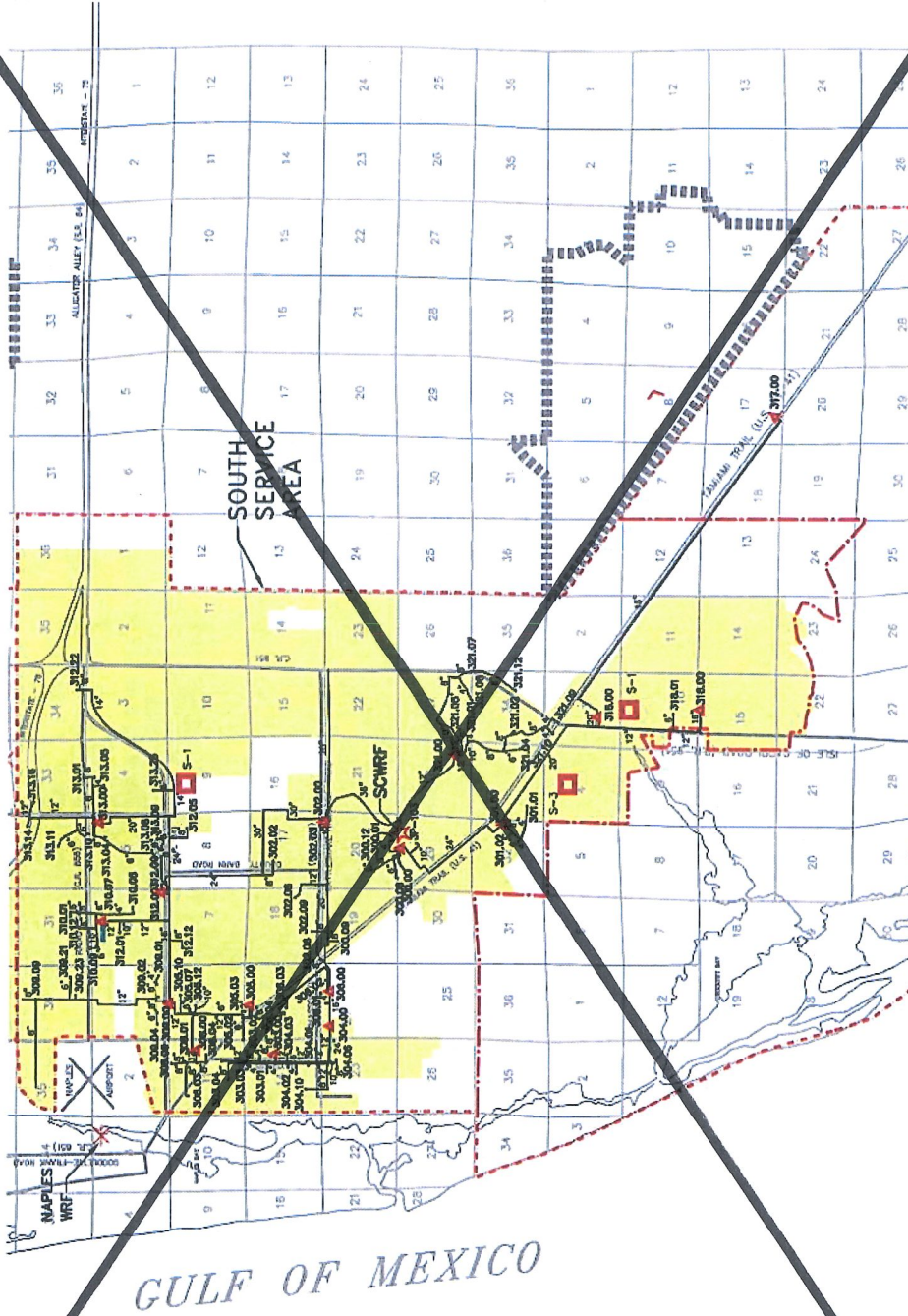
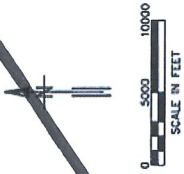
NORTH SEWER SERVICE AREA

COLLIER COUNTY GOVERNMENT
GROWTH MANAGEMENT PLAN
2002 PUBLIC UTILITIES ELEMENT
SANITARY SEWER SUBELEMENT

GREBLEY AND HANSEN, LLC
OCTOBER 2002

SOURCES: 1. BASE MAP AND TRANSMISSION SYSTEM FROM CDM
2. AREAS SERVED FROM COLLIER COUNTY UTILITIES

FIGURE SS-4



LEGEND

	CITY OF MAPLES SERVICE AREA		OTHER TREATMENT PLANTS
	OLDEN GATE CITY SERVICE AREA		FORCE MAIN
	WATERWORKS AREAS SERVED		SERVICE AREA BOUNDARY
	ORANGE TREE AREA		PRACTICAL LIMIT OF SOUTH SERVICE AREA
	OLDEN GATE SERVICE AREA		ADDITIONAL DEVELOPMENT AREAS
	PACKAGE TREATMENT PLANT		
	MASTER PUMP STATION		
	EXISTING COUNTY WY		
	NORTH COUNTY		
	SOUTH COUNTY		
	POLICH BAY		

S-1 MAPLES DRIVE - WALKER PARK
 S-2 MAPLES DRIVE - IN THEATRE
 S-3 MAPLES ROAD - HAMPDENWOOD

SOURCES: 1. BASE MAP AND TRANSMISSION SYSTEM FROM COM
 2. AREAS SERVED FROM COLLIER COUNTY UTILITIES

COLLIER COUNTY GOVERNMENT
 GROWTH MANAGEMENT PLAN
 2002 - PUBLIC UTILITIES ELEMENT
 SANITARY SEWER SUBELEMENT

SOUTH SEWER SERVICE AREA

GREELEY AND HANSEN LLP
 OCTOBER 2002

**CAPITAL IMPROVEMENT PROJECTS FY 2003 - 2007
PROJECT DESCRIPTIONS
WASTEWATER AND RECLAIMED WATER**

Greeley and Hansen LLC
October 2002

Fund/Type (A)	Project No.	Project Name	Description
		WASTEWATER PROJECTS	
		Existing Wastewater 413 (Growth Related) Projects	
413/GD	73031	NCWRF 5 MGD Expansion	Completion of expansion of the existing NCWRF from 8.5 to 13.5 MGD. Add 2 new clarifiers, one new aeration basin, one new effluent filter, a new chlorine contact bldg. & tank, a new blower bldg. Disinfection facility, sludge dewatering expansion, sludge thickener, odor control, RDP retirement & sludge pumping station.
413/GD	73066	Wastewater Master Plan Updates	Annual Update of wastewater master plan.
413/GD	73074	Livingston Road FM PRR to VBR	FM from Pine Ridge Road to Vanderbilt Road
413/GD	73078	North/South Sewer Interconnections	West Interconnect between north and south sewer systems.
413/GD	73077	NCWRF Flow Equalization	Flow Equalization Tanks at NCWRF.
413/GD	73079	Master Pumping Station-Immokalee Road/ CR 951	New Master Pumping Station at Immokalee Road/951
413/GD	73085	VBR 16" FM - C.R. 951 to Logan Blvd	Study, design and construction of new 16" force main from C.R. 951 to Logan Blvd.
413/GD	73086	C.R. 951 16" FM - Immokalee Rd. to VBR	Study, design and construction of new 16" force main from Immokalee Rd. to Vanderbilt Beach Road.
413/GD	73088	Land Acquisition for Biosolids Facility	Prepare study of long-term biosolids alternatives, determine location for biosolids processing facility, purchase property, and implement plan.
413/GD	73131	Immokalee Road East 16" Force Main	Study, Design and construction of a 16-inch force main from proposed master pumping station near Immokalee Road and CR951 to proposed Orange Tree WRF. This force main to be constructed with Immokalee Road widening scheduled to start in FY'03.
413/GD	73132	East Sewer Interconnect	Study, design and construction of Santa Barbara Blvd. force main from Master Pump station 313.00 to Vanderbilt Beach Rd.
413/GD	73150	East Sewer Interconnect Booster Station	Design and construction of booster pumping station for Santa Barbara Blvd./Logna Blvd. force main.
413/GD	73151	Master Pump Station-Vanderbilt Beach Rd. & Logan Blvd.	Design and construction of new Master Pump Station for East Sewer Interconnect.
413/GD	73152	Master Pump Station-Vanderbilt Beach Rd. & Livingston Rd.	New Master Pumping Station
413/GD	73153	Master Pump Station - Immokalee Rd. East Area "B"	MPS to Serve Northeast Service Area.
413/GD	73154	SCWRF Injection Wells	Design and install second deep injection well at the SCWRF to provide additional capacity.
413/GD	73155	New NEWRF - Acquire Site	Purchase 147 ac site at Orange Tree for site of WRF and WTP.
413/GD	73156	New Northeast Water Reclamation Facility	Study, design and construction of a new 2.0 mgd WRF by 2006, an expansion to 4.0 mgd by 2010, and an expansion to 6.0 mgd by 2018 (expandable to 12 mgd) on the Orange Tree property to replace the existing Orange Tree plant and serve potential new customers in Northeast Service Area.
413/GD	73157	New SEWRF - Land Acquisition Study	Study of possible sites for location of up to 10.5 mgd (mmdf) WRF in Southeast Service Area.
413/GD	73158	Upsize Lakewood FM to 16"	Study, design and construction of a new 16-inch force main from Master Pumping Station 3.05 to Master Pump Station 3.09 (upgrading existing 12" force main).
413/GD	73166	Pumping Station Upgrades	Upgrades to existing lift stations and pumping stations as needed to keep pace with growth.
413/GD	73167	Growth Management Plan Update	Update Sanitary Sewer Subelement to Growth Management Plan
413/GD	73190	VBR 16" FM - Islandwalk Reimbursement	
413/GD	73195	MPS 3.14 (Naples Heritage)	New Master Pumping Station
413/GD	73925	MPS 1.04	New Master Pumping Station Orange Blossom at Goodlette-Frank
413/GD	73945	Pumping Station Improvements	Improvements to existing lift stations and pumping stations as needed to keep pace with growth. Specific lift stations identified for upgrades based on system hydraulic model in current update to master plan.
413/GD	73948	NCWRF Deep Injection Well	Design and install two deep injection wells and new DIW pumping station.
413/GD	73949	SCWRF Expansion 2001	Expansion of SCWRF to 18 mgd MMDF.
413/GD	73950	NCWRF 30.6 MMADF Expansion (Phase 1 = 24.1 mgdMMDF)	Study, design and construction of a two-phased expansion of the plant. The initial phase will be a 5.0-mgd AADF (6.5-mgd MMDF) expansion of the WRF. The second phase will also be 5.0 mgd AADF (6.5 mgd MMDF). The first phase expansion will result in a capacity of 24.1 mgd MMDF and will be on-line by 2005. The second phase expansion will result in a capacity of 30.6 mgd MMDF and will be on-line by 2010.
		New Wastewater 413 Projects	
413/GD	WW7	Land Acquisition Study for East Central WRF	Study of possible sites for location of up to 12.1 mgd (mmdf) WRF in East Central Service Area.
413/GD	WW8	East Central WRF Land Acquisition	Purchase 50 ac site at in East Central area for site of WRF.
413/GD	WW10	Southeast WRF Land Acquisition	Purchase 50 ac site at in East Central area for site of WRF.
413/GD	WW12	East Central WRF	Study, design and construction of a new 4.0 mgd WRF by 2006 and an expansion to 8.0 mgd by 2014 (expandable to 12 mgd) in Area C to serve potential new customers.
413/GD	WW13	Southeast WRF	Study, design and construction of a new 3.0 mgd WRF by 2012 and an expansion to 5.0 mgd by 2019 (expandable to 10.5 mgd) in Area D to serve potential new customers. [Defer until after 2010.]

TABLE SS-14

Fund/Type (A)	Project No.	Project Name	Description
413/GD	WW15	Service to Golden Gate City	If the County acquires the Golden Gate City utility, costs will be incurred to decommission the plant and direct flows to a County facility.
413/GD	WW19	Replace Ex. 4" Force Main with 6"	Study, design and construction of a new 6-inch force main from Master Pumping Station 145.00 to Airport-Pulling Road (upgrading existing 4" force main).
413/GD	2002-1	Livingston Road FM Upsize- Regional Park to I.R.	Study, design and construction of upsize of existing 12-inch force main to 20-inch force main from Regional Park to I.R.
413/GD	2002-2	VBR FM - Logan Blvd. To Goodlette	Study, design and construction of a new 16-and 24inch force main from Logan Blvd. To Goodlette-Frank Road.
413/GD	2002-3	Goodlette Rd FM - VBR to NCWRF	Study, design and construction of a new 30-inch force main from Vanderbilt Beach Road to NCWRF
Existing Wastewater 414 (Renewal/Replacement) Projects			
414/R,R&E	70027	Clean Water Act Risk Mgt Study	Clean Water Act Risk Management Study for Wastewater.
414/R,R&E	70078	Spl. Assessment Software	Software
414/R,R&E	73028	Goodlette Rd FM Relocation	Goodlette-Frank Road Four Laning Improvements (Jct. Pine Ridge Road to Jct. Vanderbilt Beach Road) Relocate 12,500 LF of 16" FM and 4,400 LF of 24" FM as part of road widening project 60134
414/R,R&E	73032	Sewer System Mapping	Creating a set of system maps for the water and wastewater departments to be utilized for location of all facilities. The maps will be utilized in emergency situations and as a reference for local engineers requesting information on our wastewater system. Additionally, the maps will be utilized by the PWED Section in planning for future expansion of our system to keep up with anticipated growth.
414/R,R&E	73045	FDOT Joint Prjts	Contingency fund for the relocation of sewer mains from various FDOT projects.
414/R,R&E	73054	Cnty Bam Sewer Line Relocate	Rattlesnake Hammock Rd. to Davis Blvd., Relocate sewer mains for road widening project. Road project currently scheduled for FY 2006.
414/R,R&E	73060	Port Au Prince Sewer	Replace sus-standard wastewater collection system serving 4 streets off of Port-au-Prince Road pending identification of a funding source.
414/R,R&E	73065	CCDOT Utility Relocates	Relocation of utilities as may be needed given accelerated County road construction schedules.
414/R,R&E	73071	Energy Efficiency Enhancements	Study and implement electrical upgrades to improve energy efficiency at the treatment plants and larger pumping stations.
414/R,R&E	73072	Public Utilities Operations Center	Relocate sewer collection crews and equipment depot to a larger facility to accommodate growth. Proceeds from the sale of the existing facility at 6027 Shirley Street will be realized and will help offset the cost to relocate to a larger facility.
414/R,R&E	73078	Henderson Creek Sewer Improvements	To provide sewer service connections to properties (M&E and B&I) South of Henderson Creek Rd.
414/R,R&E	73082	Pump/Lift Stations Rehab	Design and bid pumping station rehabilitation for wastewater collections department.
414/R,R&E	73083	Sewer Line Rehab	Design and bid trenchless sewer rehabilitation for wastewater collections department.
414/R,R&E	73127	Sludge Stabilization Management	Sludge Management Improvements
414/R,R&E	73160	Rookery Bay FM and PS Improvements	Improvements to Rookery Bay wastewater transmission system.
414/R,R&E	73161	Take Package Plants Off-Line (4)	This project will allow the County to take over service to wastewater customers in the County now served by package treatment plants.
414/R,R&E	73162	City Permanent Inter-connect	Force main inter-connect with City of Naples
414/R,R&E	73163	BSU Inter-connect	Force main inter-connect with Bonita Springs Utilities
414/R,R&E	73164	South County I&I Analysis	Provide sewer system I&I analysis and field investigation as recommended in the South Collier County Regional WRF Design Report (June 2001). Goal is to reduce wet weather flows to the SCWRF.
414/R,R&E	73165	Asset Management Assistance	Provide assistance in management of the County's utility assets.
414/R,R&E	73168	Odor/Corrosion control	Multi-year program to investigate and implement odor and corrosion control improvements throughout the wastewater collection system.
414/R,R&E	73301	VBR - Airport Rd. to CR951 eff relocate	Relocate existing force main for road construction.
414/R,R&E	73302	CR951 - GGB to Immok. Rd. Relocate	Relocate existing force main for road construction.
414/R,R&E	73306	RattleSH Rd. - Polly to CR951 relocate	Relocate existing force main for road construction.
414/R,R&E	73916	South Cnty Reg WWTP	Work includes replacement of Clarkson screen, Flyght BFP Feed pumps, instrumentation for motor operated valves.
414/R,R&E	73922	Telemetry	Add telemetry to 530 of 650 remote lift stations and 13 master lift stations over five years starting FY02.
414/R,R&E	73943	30" Immokalee Road FM	Clean existing 30" FM and install permanent pigging station.
414/R,R&E	73944	Billing System	The purpose of this project is the updating of the billing system software currently utilized by the Dept. of Revenue for Water and WW accounts. The current software does not have report writing or generation capabilities. Additionally, the software is outdated for the number of customers that Collier County has and will continue to gain.
414/R,R&E	73949	SCWRF Expansion 2001	Expansion of SCWRF to 16 mgd..
414/R,R&E	73950	NCWRF Expand to 30.6 mgd MMDF	Expansion of NCWRF to 30.6 mgd MMDF (Phase 1 = 24.4 mgd MMDF).
414/R,R&E	TBD	2003 FDOT Joint Projects	Contingency fund for the relocation of sewer mains from various FDOT projects.
414/R,R&E	TBD	Sewer Line Rehab	Design and bid trenchless sewer rehabilitation for wastewater collections department.
414/R,R&E	TBD	Pump/Lift Station Rehab	Prepare manhole and lift station rehabilitation annual contract bid documents.
414/R,R&E	TBD	Odor/Corrosion Control	Multi-year program to investigate and implement odor and corrosion control improvements throughout the wastewater collection system.
414/R,R&E	TBD	CCDOT Utility Relocates	Relocation of utilities as may be needed given accelerated County road construction schedules.
New Wastewater 414 Projects			
414/R,R&E	WW14	Decommissioning of Pelican Bay WRF	Study, design and decommissioning of Pelican Bay WRF.
414/R,R&E	2002-4	NCWRF Oxidation Ditch Improvements	Study, Design and Construction of Improvements to NCWRF Oxidation Ditch

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Fund/Type (A)	Project No.	Project Name	Description
RECLAIMED WATER PROJECTS			
Existing Reclaimed Water 413 Projects			
413/GD	74020	Back Pressure Sustaining Valves	Install back pressure sustaining valves at all reclaimed water meter assemblies to create pressure on demand system.
413/GD	74021	Golden Gate Canal Supplemental Water System	Study, design and construction of system to extract surface water for meeting peak irrigation demands.
413/GD	74029	Effluent Management Master Plan Update	Update effluent management portion of countywide wastewater master plan.
413/GD	74030	ASR Reclaimed Water Wells	Design, permit and construct one ASR test well initially, then construct up to seven ASR wells for the purpose of injecting surplus reclaimed water during off peaks and retrieving same during peak demand times for sales to reuse customers. Also includes monitor wells piping pumps and telemetry.
413/GD	74034	Vanderbilt Bch Reclaim WM 20"	Construct 20" reclaimed water main along Vanderbilt Beach Road from Airport Road to Village Walk Circle to increase flows to the N/S interconnect, the injection wells and customers east of I-75.
413/GD	74035	Radio Rd/Santa Barbara Blvd. 16" Reclaimed WM	Construct 16" reclaimed water main along Radio Road and Santa Barbara Blvd. From Foxfire to Countryside to increase flows to N/S interconnect. A possible alternate route is along the FPL easement between Davis Blvd. & Radio Rd.
413/GD	74036	Radio Rd 20" Rcl WM	Construct 20" reclaimed water main along Radio Road from Briarwood to Foxfire as part of N/S interconnect.
413/GD	74076	Reclaimed Water Booster Pump Station - North	New Booster Pumping Station.
413/GD	74077	NCWRF 24" Reclaimed Water Main-NCWRF to Vanderbilt Beach Rd	New Reclaimed Water Transmission Main.
413/GD	74078	NCWRF 24" Reclaimed Water Main-Along Livingston Rd, VBR	New Reclaimed Water Transmission Main.
413/GD	74125	Supplemental Irrigation Water	Study, design and construction of supplemental water facilities for reclaimed water system.
413/GD	TBD	2002 Growth Management Plan Update	Update growth management plan subelement every five years.
413/GD	74037	Miscellaneous Effluent Improvements	Miscellaneous Effluent Improvements
New Reclaimed Water 413 Projects			
413/GD	RW1	Reclaimed Water Booster PS - North SA	Study, design, and construction of booster ps recommended in Water Resource Planning Report, August 2001.
413/GD	RW2	Interconnect to South SA - 20" Reclaimed WM	Study, design, and construction of reclaimed water line recommended in Water Resource Planning Report, August 2001.
413/GD	RW3	Interconnect to North SA - 20" Reclaimed WM	Study, design, and construction of reclaimed water line recommended in Water Resource Planning Report, August 2001.
Existing Reclaimed Water 414 Projects			
414/R,R&E	74015	Misc. Effluent Improvements	Allowance for annual improvements to the reclaimed water transmission system.
414/R,R&E	74019	Cnty Barn Rd Eff Line Relocate	Rattlesnake Hammock Rd. to Davis Blvd., Relocate reclaimed water mains for road widening project. Road project currently scheduled for FY06.
414/R,R&E	74021	Golden Gate Canal Supplemental Water System	Initiation of plan to obtain supplemental irrigation water from the canal.
414/R,R&E	74023	Pelican Bay Irrig Fire	Conversion of Pelican Bay fire protection system from reclaimed water to potable water.
414/R,R&E	74028	Goodlette Rd Reclaim WM - Relocate	Goodlette-Frank Road Four Lining Improvements (Jct. Pine Ridge Road to Jct. Vanderbilt Beach Road) Relocate 4,400 LF of 20" effluent main as part of road widening project 60134.
414/R,R&E	74030	Reclaimed Water ASR	Study, design and construction of new reclaimed water ASR wells.
414/R,R&E	74031	Rehab SCWRF Reclaimed Wtr Stg Tank	Repairs to reclaimed water storage tank includes repairs to wall cracks, construction joints and expansion joints.
414/R,R&E	74033	Reclaimed Water Telemetry	Add telemetry to 31 reclaimed water user sites and 7 raw water well sites. There are 19 sites in North Service Area, 7 raw water wells, and 12 sites in the South Service area.
414/R,R&E	74039	Pelican Bay Wells	Add two new wells with vault, electrical instrumentation and controls.
414/R,R&E	74047	Reclaimed Water Automatic Read Meters	Add automatic read meters to existing system to enhance operation.
414/R,R&E	74075	Eagle Lakes Reclaimed Water Pump Station	Upgrades to reclaimed Water PS
414/R,R&E	74125	Supplemental Irrigation Water	Funds are to identify sources and implement a supplemental water supply to augment reclaimed water used for irrigation. Includes Immokalee Rd Wellfield and Reclaimed Water Line.
414/R,R&E	74300	Immok. Rd. - US41 to I75 eff relocate	Reclaimed water pipeline relocation for new road construction.
414/R,R&E	74301	VBR - Airport Rd. to CR951 eff relocate	Reclaimed water pipeline relocation for new road construction.
414/R,R&E	74302	CR951 - GGB to immok. Rd. relocate	Reclaimed water pipeline relocation for new road construction.
414/R,R&E	74303	GGP - Airport to SBB eff relocate	Reclaimed water pipeline relocation for new road construction.
414/R,R&E	74307	Misc. Effluent Improvements	Misc. Effluent Improvements
414/R,R&E	74308	Pelican Bay Reclaimed Water PS Cranes	Add Cranes at Pelican Bay Reclaimed PS