

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 POTABLE WATER 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 POTABLE WATER
SUBELEMENT OF THE PUBLIC FACILITIES ELEMENT OF THE
GROWTH MANAGEMENT PLAN.

The Board of County Commissioners hereby adopts the amendments to the Potable Water 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
11/20/12*

Heidi Ashton-Cicko
Managing Assistant County Attorney

Attachment: Exhibit "A"

2011 EAR-BASED ADOPTION - POTABLE WATER SUBELEMENT OF THE PUBLIC FACILITIES ELEMENT
Rev. 9/24/12

CP\12-CMP-00848\26

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Exhibit "A"

As approved by CCPC on 10-30-12
Potable Water Sub-Element – to BCC for Adoption

EAR-based GMP Amendments

12-11-12

GOALS, OBJECTIVES AND POLICIES

[Revised text, page 2]

~~Potable Water Sub-Element~~

GOAL:

TO PROTECT THE HEALTH AND SAFETY OF THE PUBLIC BY ENSURING ACCESS TO ENVIRONMENTALLY SOUND, COST EFFECTIVE AND IMPLEMENTABLE POTABLE WATER FACILITIES AND SERVICES.

OBJECTIVE 1:

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

~~The County shall~~ Locate and develop potable water supply sources to meet the future needs of the County owned and operated systems, said supply sources meeting the minimum Level of Service Standards established by this Plan. The development and utilization of new potable water supply sources and the acquisition of land necessary for such development shall be based upon the information, guidelines and procedures identified within the County's Ten-Year Water Supply Facilities Work Plan (as updated annually), ~~the Collier County Water Sewer Master Plan,~~ and the Lower West Coast Water Supply Plan prepared by the South Florida Water Management District.

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Policy 1.3:

[Revised text, page 2]

The County shall continue to identify sufficient quantities of water sources to meet the County's estimated growth-related needs. ~~Potential water sources to meet the County's 2025 water demands include raw water from Hawthorn Zone I Aquifer (Intermediate Aquifer System) and Lower Hawthorn Aquifer (Florida Aquifer System), identified within the County's 2005 Water Master Plan. The County shall use these water sources as well as alternative sources, as permitted by the State, to meet the County's needs.~~ The County shall seek supply from all permissible sources of raw water cited in the Lower West Coast Water Supply Plan to meet the County's needs.

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Policy 1.5:

[Revised text, page 2]

The County shall coordinate with the South Florida Water Management District in the development of the ~~Water Master Plan Update~~ Lower West Coast Water Supply Plan, which is the primary planning document for ~~the Collier County Water Sewer District.~~

Policy 1.6:

[Revised text, page 2]

The County shall coordinate with the South Florida Water Management District to produce future plans for water supply as described within the ~~Water Master Plan Updates~~ Lower West Coast Water Supply Plan that ensure the County's ability to maintain its stated Level of Service standard.

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Potable Water Sub-Element – to BCC for Adoption

12-11-12

OBJECTIVE 2: [Rephrased to improve format as an "objective", revised text, page 3]
~~The County shall implement the following policies to m~~ Make certain that public and private sector potable water service utilities provide, repair and/or replace potable water supply, treatment and distribution 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, expand public sector potable water service utilities ~~shall be expanded~~ as necessary to provide for future growth, as provided for in the following policies.

Policy 2.1: [Revised text, page 3]
The Collier County Water-Sewer District shall continue the development of a Collier County Regional Potable Water System consistent with the Capital Improvement Element and the ~~Collier County Water-Sewer Master~~ Ten -Year Water Facilities Work Plan to correct existing deficiencies and provide for future growth.

Policy 2.2: [Revised text, page 3]
Consistent with the growth policies of the Future Land Use Element of this Plan, provision of central potable water service by the County is limited to the service areas shown in this Plan and depicted on the Collier County Water District ~~Boundaries Existing and Future Potable Water Service Areas~~ maps (Figure PW-1 and Figure PW-1.1); the Existing and Future Potable Water Service Areas maps (Figure PW-2 and Figure PW-2.1), which includes the Rural Transition Water and Sewer District; 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 may serve Towns, Villages, Hamlets, and Compact Rural Developments within the Rural Lands Stewardship Area Overlay at the County's discretion; presently, the County has no plans to serve any portion of the Rural Lands Stewardship Area Overlay. This Overlay is depicted on the countywide Future Land Use Map and map series.

Within the Rural Lands Stewardship Area Overlay: Hamlets and those Compact Rural Developments one hundred (100) acres or less in size may be served by central potable water facilities; Towns, Villages, and those Compact Rural Developments greater than one hundred (100) acres in size are required to be served by central potable water facilities; and, Compact Rural Developments one hundred (100) acres or less in size may be required to be served by central potable water facilities, depending upon the permitted uses within the Compact Rural Development. These facilities may be provided by the private sector, an independent water authority, or some other non-County utility.

For the purposes of this ~~p~~Policy and ~~p~~Policies 2.4, 5.1, and 5.3, within the Rural Lands Stewardship Area Overlay, the term "central potable water facilities" includes decentralized community treatment systems. Innovative alternative water treatment systems such as decentralized community treatment systems shall not be prohibited by this ~~p~~Policy provided that they meet all applicable regulatory criteria.

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Policy 2.4:

[Revised text, page 4]

Collier County shall permit development of potable water supply systems as follows: within the Designated Urban Areas of the Plan, including the outlying urban areas of Immokalee, Copeland, Chokoloskee, Plantation Island, and Port of the Islands; within the areas depicted on the Collier County Water District ~~Boundaries Existing and Future Potable Water Service Areas~~ map (Figure PW-1); ~~within the Existing and Future Potable Water Service Areas map (Figure PW-2), which includes the Rural Transition Water and Sewer District;~~ 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; in Towns, Villages, Hamlets and Compact Rural Developments within the Rural Lands Stewardship Area Overlay; and, in areas where the County has legal commitments to provide facilities and services as of the date of adoption of this Plan. For lands located within the Collier County Water-Sewer District, but in which County water service is not currently available, non-County potable water supply systems shall only be allowed on an interim basis until County service is available.

Individual potable water supply wells may be permitted within the areas depicted on the Collier County Water District ~~Boundaries Existing and Future Potable Water Service Areas~~ map (Figure PW-1) on an interim basis until County water service is available; individual potable water supply wells may be permitted in all Urban designated areas outside of the areas depicted on Figure PW-1 on an interim basis until a centralized potable water supply system is available; ~~individual potable water supply wells may be permitted in the Rural Transition Water and Sewer District, depicted on the Existing and Future Potable Water Service Areas map (Figure PW-2), on an interim basis until County water service is available;~~ individual potable water supply wells may be permitted 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, on an interim basis until County water service is available; and, individual potable water supply wells may be permitted on lands outside of the Urban designated areas, outside of areas depicted on Figure PW-1, and outside of Towns, Villages and those Compact Rural Developments greater than one hundred (100) acres in size within the Rural Lands Stewardship Area Overlay – all areas where potable water supply systems are not anticipated. However, individual potable water supply wells may or may not be permitted within Compact Rural Developments one hundred (100) acres or less in size, depending upon the uses permitted within the Compact Rural Development. Also, in Towns, Villages, and those Compact Rural Developments greater than one hundred (100) acres in size, potable water supply wells are allowed to serve no more than 100 acres, on an interim basis only, until ~~central~~ a centralized potable water supply system service is available.

Policy 2.5:

[Revised text, page 5]

The County shall continue enforcement of ordinances requiring connection of existing and new development to central potable water systems when they become available. Connections to a central system shall be made pursuant to Collier County Ordinance 01-73, adopted December 11, 2001, as amended.

Words underlined are added; words ~~struck through~~ are deleted.

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EAR-based GMP Amendments

12-11-12

Policy 2.6: [Revised text, page 5]
Where Community Development Districts, or other 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, water service shall be connected to the regional system, and internal facilities shall be conveyed, when acceptable, to the Collier County Water-Sewer District for operation and ownership in accordance with Collier County Ordinance ~~01-57, adopted October 23, 2001~~ 04-31, adopted May 11, 2004, or its latest revision, and District construction and operating policies.

OBJECTIVE 3: [Revised text, page 5]
Pursuant to Chapter 163.3202, F.S., including any amendments thereto, ~~Collier County has implemented procedures to~~ ensure that at the time a development order is issued, potable water facility capacity that meets or exceeds the minimum Level of Service (LOS) 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 3.1: [Revised text, page 5]
~~The following Level of Service 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:~~

~~Review of the historical ratio of residential to non residential demand indicated that approximately 17% of the total water usage is non residential. Thus, the residential demand is 154 gped and the total finished water demand is 185 gped.~~

FACILITY CAPACITY

FACILITY/SERVICE AREA	LEVEL OF SERVICE STANDARD
Collier County Water Sewer District	185 gped
Goodland Water District	185 gped
Mareo Island Water District	
Mareo Shores	185 gped
CITY OF NAPLES FACILITIES	
Unincorporated Service Area	185 gped
EVERGLADES CITY FACILITIES	
Unincorporated Service Area	185 gped

INDEPENDENT DISTRICTS

Orangetree Utilities	100 gped
Immokalee Water and Sewer District	100 gped
Florida Governmental Utilities Authority	100 gped

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The standards for levels of service (LOS) of County potable water systems appear in Policy 1.5; subsection "D" in the Capital Improvement Element and shall be used as the basis for determining the availability of facility capacity and the demand generated by a development.

Policy 3.2: [Revised text, page 6]

In order to ensure that the ~~Level of Service Standards~~ LOS standards contained in Policy 3.1 are maintained, methodologies for determining available capacity and demand shall incorporate appropriate peak demand coefficients for each facility and for the type of development proposed.

Policy 3.3: [Revised text, page 6]

The ~~Level of Service Standards~~ LOS standards contained in Policy 3.1 are the minimum criteria for replacement, expansion or increase in capacity of potable water supply facilities.

Policy 3.4: [Revised text, page 6]

~~The County will annually review historical potable water demand records and adjust the Level of Service Standards contained in Policy 3.1 if so indicated by the annual review. The Collier County Water-Sewer District shall review historical potable water demand records during Collier County Wastewater Master Plan updates and adjust the LOS standards, as referenced in Policy 3.1, if needed.~~

OBJECTIVE 4: [Rephrased to improve format as an "objective", revised text, page 6]

~~The County shall continue to p~~ Promote conservation of potable water supplies by developing and implementing an integrated, comprehensive conservation strategy which will identify specific consumption per capita goals.

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Policy 4.5: [Revised text, page 6]

Where Community Development Districts, or other 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, and where such districts make provisions for irrigation via dual systems utilizing effluent and/or other irrigation sources, said systems shall be connected to the regional system when available, and all internal irrigation systems shall remain in private ownership and be master metered by the County in accordance with Collier County Ordinance Number 04-31, adopted May 11, 2004.

Policy 4.6: [Revised text, page 7]

~~The County shall promote the use of xeriscape techniques (landscaping method that emphasizes water conservation in its use of 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.

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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 potable water 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 potable water systems only: in the Designated Urban Area, in Receiving and certain Neutral Lands within the Rural Fringe Mixed Use District, in the Designated Urban-Rural Fringe Transition Zone Overlay, 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 Water District Existing and Future Potable Water Service Areas depicted Boundaries on Figure PW-1 of ~~this the Potable Water Sub-e~~Element, except the outlying urban areas of Immokalee, Copeland, Chokoloskee, Plantation Island, and Port of the Islands; ~~or within the Rural Transition Water and Sewer District Boundaries on Figure PW-2 of the Potable Water 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; within the Rural Lands Stewardship Area Overlay, as each Town, Village, Hamlet, and Compact Rural Development is designated; 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 5.4: [Revised text, page 8]
Under criteria, projects located outside of the existing potable water service area but within the future service area, as depicted on the Collier County Water District Existing and Future Potable Water Service Areas map (Figure PW-1) of this Sub-Element, may be eligible for central potable water service from ~~Collier County Utilities, or a an existing public or private sector/independent district, within the Rural Transition Water and Sewer District, depicted on the Existing and Future Potable Water Service Areas map (Figure PW-2) of this Potable Water Sub-element,~~ utility, 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 Lands of the Rural Fringe Mixed Use District (RFMUD). Criteria for potable water 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. Criteria for eligibility may be amended and additional Sending and Receiving Lands may be designated in the future. Central Potable Water distribution lines, ~~within the Rural Transition Water and Sewer District,~~ may extend through Sending Lands; however, no properties designated as Sending Lands are permitted to connect to the distribution lines.

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Words underlined are added; words ~~struck-through~~ are deleted.

Exhibit "A"

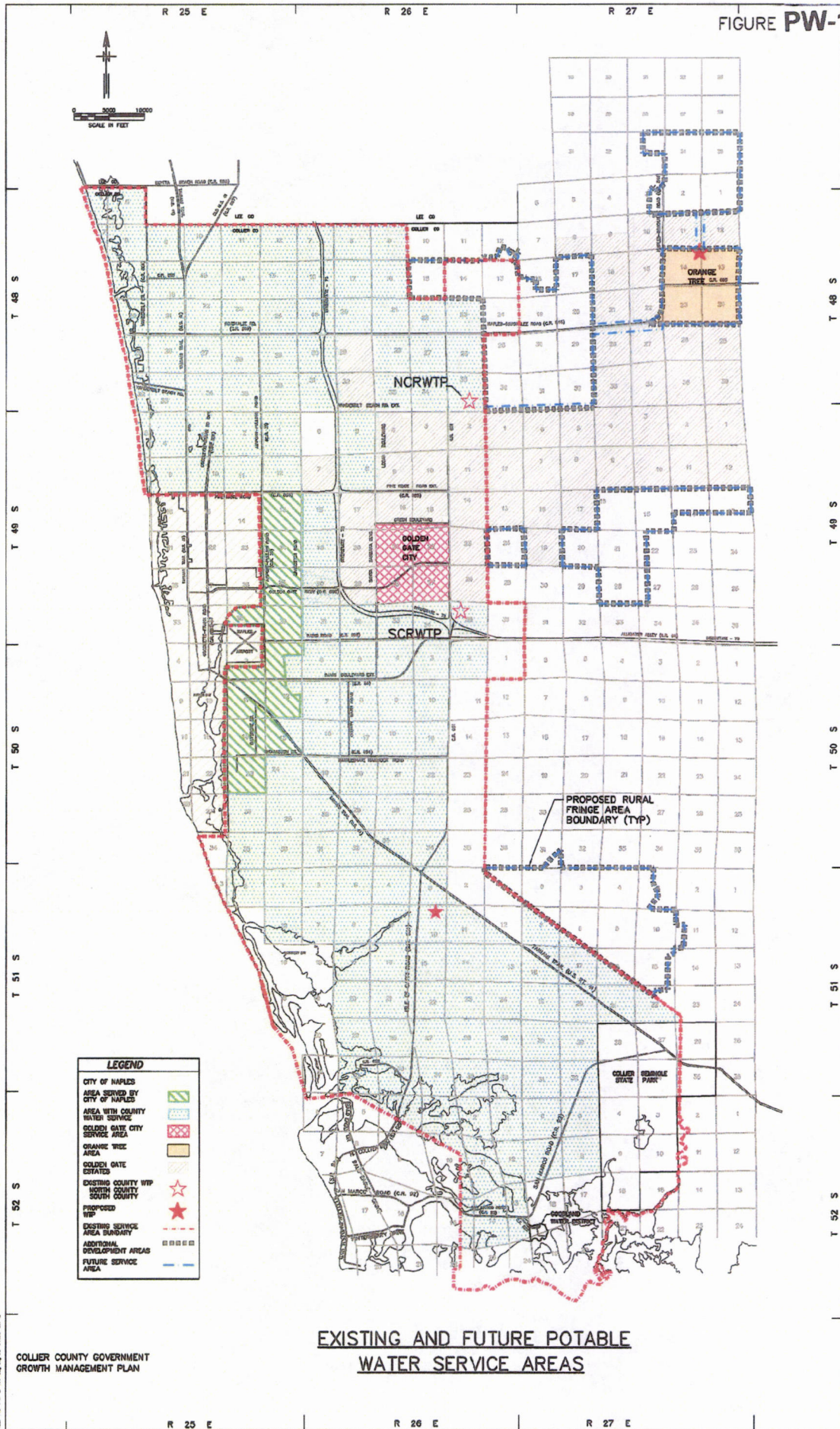
As approved by CCPC on 10-30-12
Potable Water Sub-Element – to BCC for Adoption

EAR-based GMP Amendments

12-11-12

MAP CHANGES:

1. Figure PW-1.1, Collier County Water District Boundaries
[Deleted figure, following Sub-Element text]
 - This map has the same title as Figure PW-1 and is incorrect. This map, and references to it in Policies, are deleted.
2. Figure PW-2.1, Existing and Future Potable Water Service Areas
[Deleted figure, following Sub-Element text]
 - This map has the same title as Figure PW-2 and is incorrect. This map, and references to it in Policies, are deleted.
3. Table PW-8, Capital Improvement Projects FY 2003-2022
[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.
4. Figure PW-1, Collier County Water 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 Potable Water Service Areas" below. This figure is deleted
5. Figure PW-2, Existing and Future Potable Water Service Areas
[Revised figure, following Sub-Element text]
 - This map is referenced in the same Policies as Figure PW-1. This map is re-titled to "PW-1".
6. Figure PW-3, Potable Water Treatment and Transmission Facilities
[Deleted figure, following Sub-Element text]
 - This map is not referenced in any Objective or Policy and is deleted.



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




COLLIER COUNTY GOVERNMENT
GROWTH MANAGEMENT PLAN

FIGURE PW-1

Legend

Collier County Water District Boundaries

Entity

-  City of Naples
-  FGCU Service Area
-  North Area
-  Northeast Area
-  Orange Tree
-  South Area
-  Southeast Area



COLLIER COUNTY WATER DISTRICT BOUNDARIES

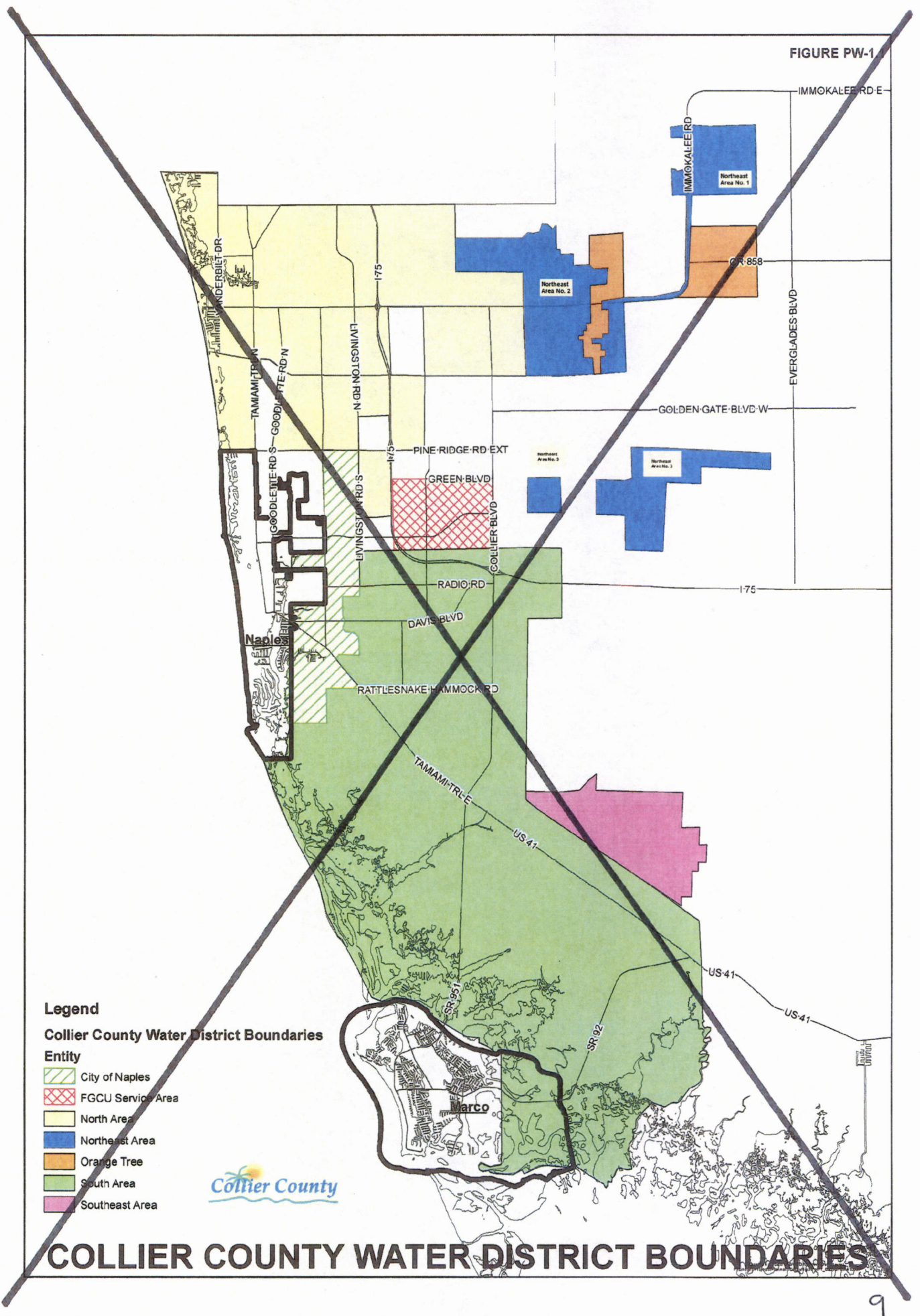
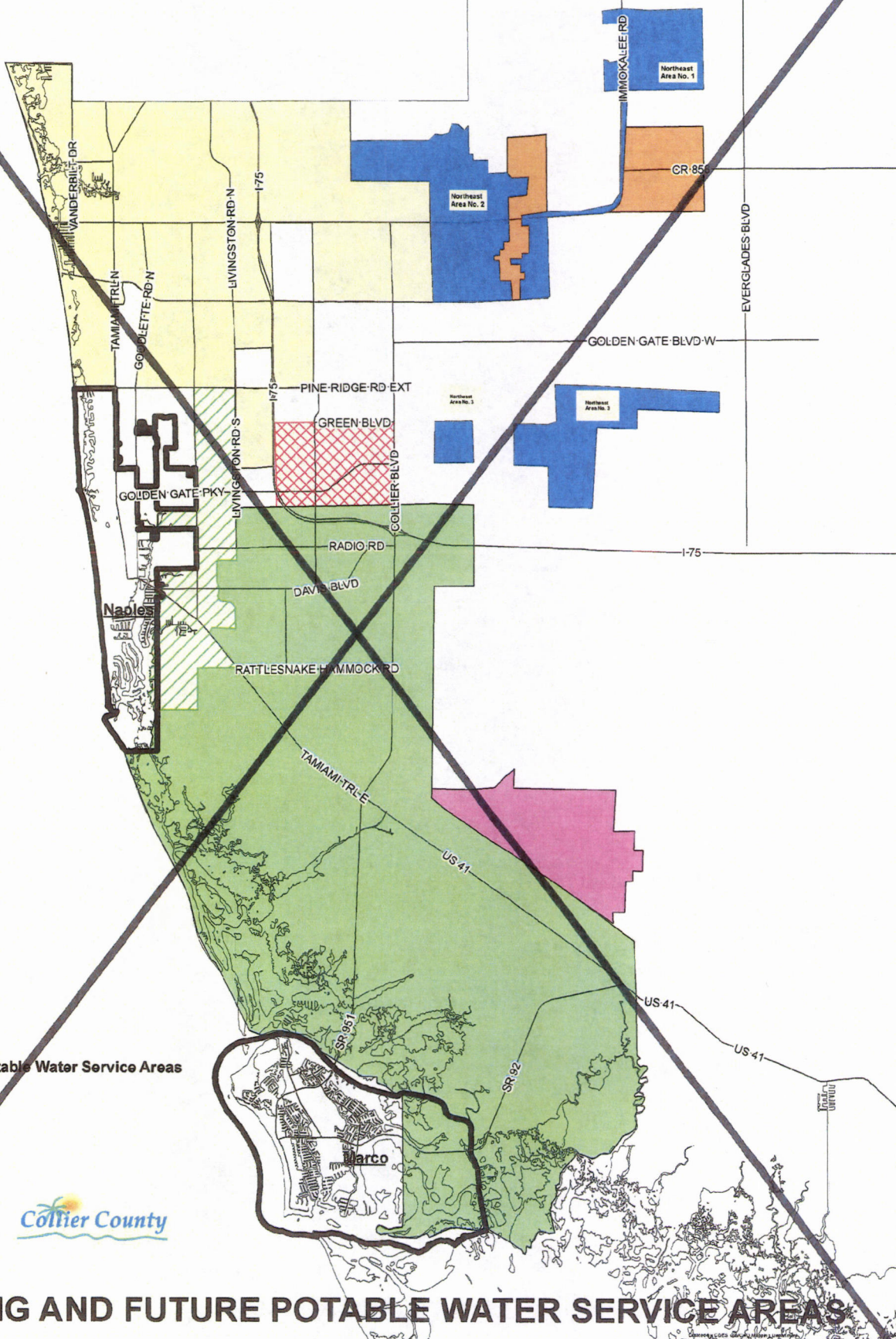


FIGURE PW-2.1

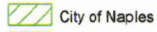
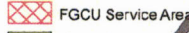
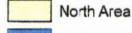
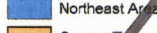
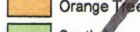
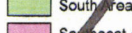

IMMOKALEE RDE



Legend

Existing and Future Potable Water Service Areas

Entity

-  City of Naples
-  FGCU Service Area
-  North Area
-  Northeast Area
-  Orange Tree
-  South Area
-  Southeast Area



EXISTING AND FUTURE POTABLE WATER SERVICE AREAS

**CAPITAL IMPROVEMENT PROJECTS FY 2003-2022
PROJECT DESCRIPTIONS
WATER TREATMENT, TRANSMISSION AND DISTRIBUTION**

Greeley and Hansen LLP
October 2002

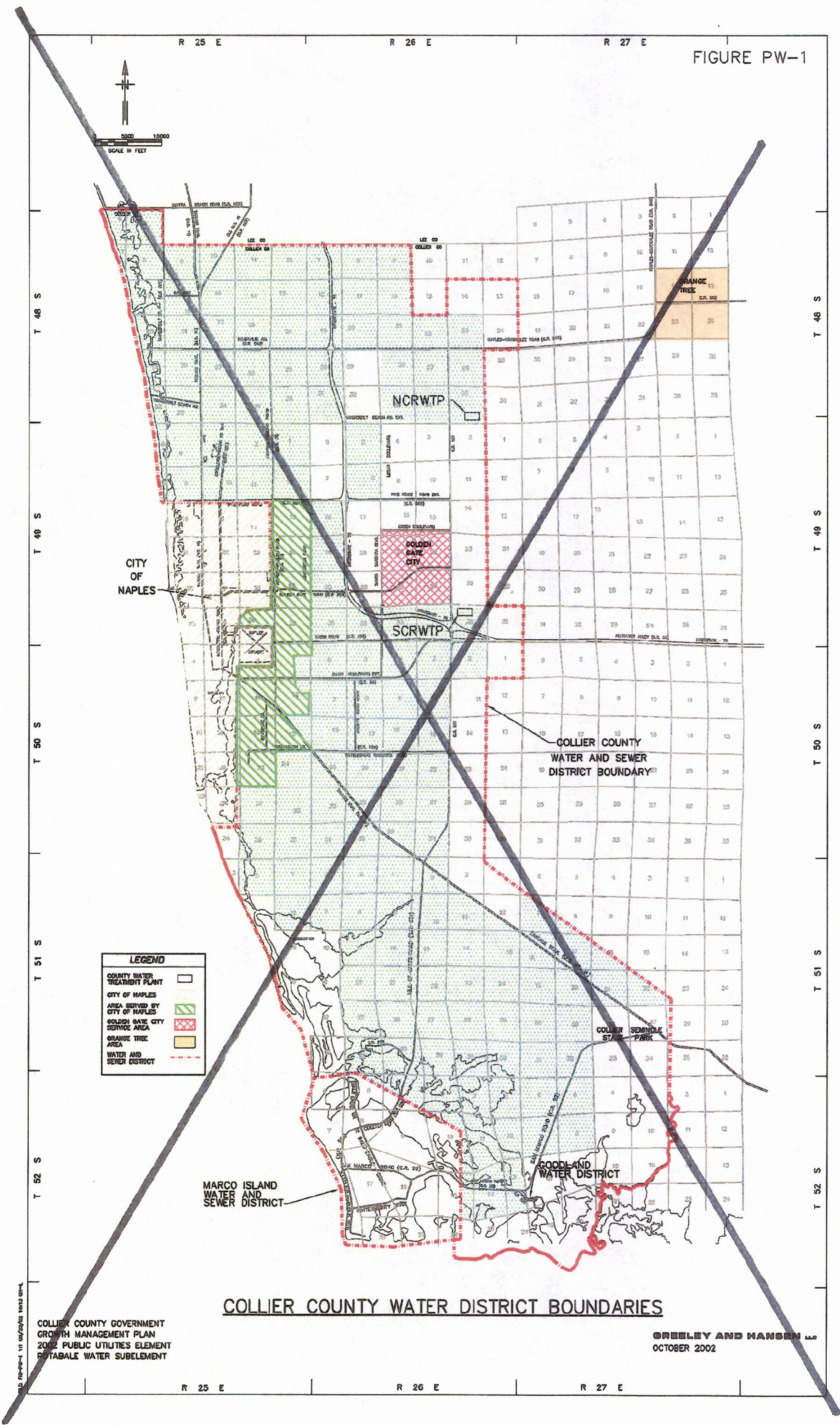
Fund/Type (A)	Project No.	Project Name	Description
		Existing Water 411 (Growth Related) Projects	
411/GD	70040	City/County Interconnect	Construct Interconnections east of intersection of Goodlette-Frank and Pine Ridge and east of intersection of Lakewood Blvd. And Davis Blvd. Project will make provisions for the interconnection of City and County water systems in the event of an emergency.
411/GD	70052	Manatee Station Pump Upgrade	Upsize pumps and upgrade instrumentation and control of the Water Storage Facility on Manatee Road to meet growth.
411/GD	70054	SCRWTP 8 MGD RO Plant and 12MGD Expansion	New 8-MGD RO Expansion at 12-MGD lime softening SERWTP. RO system, storage tank, 12 new water supply wells and pumps, 2 deep injection wells, raw water pipe lines, new SCADA system, O&M manuals, water blending system, emergency generators and chemical storage system. RO Plant will be expandable to 20-MGD.
411/GD	70075	NCRWTP 3 Additional Brackish Water Supply Wells	Add three new R.O. wells
411/GD	70093	Immokalee Road East 36" WTM	Phase 1- Design and construct a 36" water main along Immokalee Road from CR 951 to Orangetree. Phase 1 is to be constructed with the road construction project. Phase 2 is design and construction of a 36" water main from Immokalee Road to the proposed NE WTP.
411/GD	70096	Water Master Plan Update	Annual Update of Water Master Plan
411/GD	70097	SCRWTP 12 MGD RO Expansion	Design and construction of 12-MGD reverse osmosis expansion at SCRWTP
411/GD	70099	Growth Management Plan Update	Update water subelement of Growth Management Plan every five years.
411/GD	70140	East Central WTM	Design and construction of East Central water transmission main.
411/GD	70150	Vanderbilt Beach Road Parallel Water Main	Design and construction of parallel water transmission main from Airport Road to CR 951
411/GD	70151	CR 951 WTM-Davis Blvd to Rattlesnake Hammock	Design and construction of a 36" water transmission main along CR 951 from Davis Boulevard to Rattlesnake Hammock Road
411/GD	70152	CR 951 WTM-Rattlesnake Hammock to US 41	Design and construction of a 24" water transmission main along CR 951 from Rattlesnake Hammock Road to US 41
411/GD	70153	US 41 WTM- South from CR951	Design and construction of a 16" water main along US 41 from CR 951 to Manatee Road
411/GD	70154	Land Acquisition for NERWTP (Orange Tree)	Purchase 5.7 ac site at Orange Tree for site of WTP and WRF.
411/GD	70155	Land Acquisition for SERWTP	Purchase additional property adjacent to existing Manatee Road Pumping Station property for new WTP.
411/GD	70156	Vanderbilt Drive Booster PS	Design and Construction for Vanderbilt Drive Booster PS
411/GD	70157	Manatee Road Potable Water ASR Wells	Design and construction of expansion of the ASR system at the Manatee Road site.
411/GD	70862	US 41 WM - Manatee to Boyne South	Construction of water main along US 41 from Manatee to Boyne South.
411/GD	70888	Livingston Road Water Main from Pine Ridge Road to Vanderbilt Beach Road	Construct a 16" WM along Livingston Road from Pine Ridge Road to Vanderbilt Beach Road concurrent with Road project.
411/GD	70891	Livingston Immokalee-Vanderbilt	Construct 16" WM along Livingston Road from Vanderbilt Beach Road to Immokalee Road concurrent with Road project.
411/GD	70892	SCRWTP 20MGD Expansion Well Easement Study	Future well study and easement acquisition
411/GD	00000	Remote Disinfection Booster	Study, design and construction of remote disinfection booster stations.
		New Water 411 Projects	
411/GD	W5	Vanderbilt Drive Water Booster Station	Design and construct new water booster pumping station.
411/GD	W13	NERWTP	Study, design and construction of new 3.0 mgd WTP (expandable to 15 mgd) to replace existing Orange Tree plant and serve potential new customers in Areas A and B.
411/GD	W14	SERWTP	Study, design and construction of new 3.0 mgd WTP (expandable to 15 mgd) to serve potential new customers in south area and Area D.
411/GD	W17	Rattlesnake Hammock 8"/12" WTM Upgrade	Design and construct a 24" WM between CR 951 to US 41 along Rattlesnake Hammock Rd.
411/GD	W29	New Wellfield Study for Proposed NERWTP	Evaluate potential wellfield locations and address permitting issues
411/GD	W30	New Wellfield Study for Proposed SERWTP	Evaluate potential wellfield locations and address permitting issues
411/GD	W31	Land Acquisition for NERWTP Wellfield	Purchase property for NERWTP wellfield following wellfield study
411/GD	W32	Land Acquisition for SERWTP Wellfield	Purchase property for SERWTP wellfield following wellfield study
		Existing Water 411 (Renewal and Replacement) Projects	
412/R,R&E	70027	Clean water Act RM Study	EPA mandated study for chlorine and Ammonia storage, accidental air release implications and development of program to minimize risk of accidental air release.
412/R,R&E	70028	Goodlette Rd Water Main	Goodlette-Frank Road four laning improvements (Jct. Pine Ridge Rd. to Jct. Vanderbilt Beach Rd) Relocate 12,500 LF of 24" WM plus relocate City/County Interconnect at Pine Ridge Rd. as part of the road widening project 60134.
412/R,R&E	70033	Water System Mapping	Create a set of System maps for the Water and Wastewater Dept. To be utilized for location of all facilities. Additionally the maps will be utilized by the PUED Section in planning for future expansion of our System to keep up with anticipated growth.
412/R,R&E	70045	FDOT Joint Project	Contingency fund for relocation of water mains for FDOT projects at various locations. US 41 to Lee County Line; Airport Rd. to Rattlesnake Hammock Rd.; Rattlesnake Hammock Rd. to CR 95; and any other FDOT projects requiring relocations.
412/R,R&E	70047	Relocate 20"/12" Water Main US 41	Relocate water mains for FDOT construction. Poor record drawings and unforeseen conditions delayed contractor & required additional work by additional crews. Additional inspector is required for additional crews. The portion of the County deposit that was previously refunded by FDOT will be redeposited to cover the additional work.
412/R,R&E	70048	Relocate 12" Water Main US41	Relocate water mains for FDOT construction. Poor record drawings and unforeseen conditions delayed contractor & required additional work by additional crews. Additional inspector is required for additional crews. The portion of the County deposit that was previously refunded by FDOT will be redeposited to cover the additional work.
412/R,R&E	70053	County Barn Road Water Main Relocate	Rattlesnake Hammock Rd. to Davis Blvd., Relocation of water mains for County Barn Rd. widening project currently scheduled for FY 2007.
412/R,R&E	70057	Facility Rehabilitation	Rehabilitate various components of the NCRWTP, SCRWTP, wellfield and remote stations.

TABLE PW-8

Fund/Type (A)	Project No.	Project Name	Description
412/R,R&E	70058	Distribution System Rehabilitation	Rehabilitate older areas of the Collier County Water District to ensure a clean and reliable source of water for all customers. Additionally, there are several areas within the Distribution System where adequate fire flow is not available due to the size of the mains in these areas. This project will correct these deficiencies, as well as rehabilitate a number of older meters in the System that have become unmeasurable.
412/R,R&E	70059	Public Utilities Operations Center	Relocate the Water Distribution Warehouse from a residential neighborhood. The present site was constructed as a temporary facility to house a maximum of 15 employees. The current staff is now 38, with growth anticipated to 50 employees within the next five years. Additionally, the warehouse is incompatible with the surrounding neighborhood. This facility will house the Water Distribution Facility, Water Administration and Public Works Administration.
412/R,R&E	70063	NCWTP Noise Abatement	Perform a noise study consisting of noise readings at seven homesites in close proximity to the plant site at various operating modes.
412/R,R&E	70065	NCWTP Manatee & Carica Chlorine Gas Conversion	Convert the existing chlorine gas facilities at the NCRWTP Manatee Road Tans and Carica Tanks to Liquid Bleach.
412/R,R&E	70066	Golden Gate Wellfield Improvement	Improve reliability of GG Wellfield by adding 5 backup wells to the existing 27 wells and approximately 3,000 LF of raw water transmission main. Also, secure additional easements adjacent to the 27 existing wells in the event the existing well needs to be abandoned and replaced.
412/R,R&E	70067	Golden Gate Blvd 10" Water Main	Relocate 10" water main on Golden Gate Blvd. from under proposed pavement.
412/R,R&E	70069	Upgrade NCWTP Emergency Power Distribution	New electrical distribution feed and switchgear upgrades to allow full plant operation from two existing emergency generators, with the remaining two generators for back-up redundancy.
412/R,R&E	70071	CCDOT Utility Relocates	Plans are for relocating utilities as needed given accelerated County road construction schedules.
412/R,R&E	70074	Port Au Prince Water/Sewer Improvements	Replace existing water distribution system concurrent with project to replace sub-standard wastewater collection system serving 4 streets off of Port au Prince Road.
412/R,R&E	70075	NCRWTP Brackish Supply Water Wells	Design and Construction of new brackish water supply wells for the NCRWTP
412/R,R&E	70076	Auto Meter Read Installation	Installation of system-wide automatic meter reading facilities.
412/R,R&E	70078	Special Assessment Software	Replace outdated software for Special Assessments.
412/R,R&E	70090	Master PS Fuel Storage	Add capacity for 10 days fuel storage at raw water master pump station
412/R,R&E	70094	NCRWTP Improvements	Design and construction of process improvements at the NCRWTP
412/R,R&E	70095	2003 Facility Rehabilitation	Rehabilitate various components of the NCRWTP, SCRWTP, wellfield and remote stations.
412/R,R&E	70098	2003 Distribution System Rehabilitation	Rehabilitate older areas of the Collier County Water District to ensure a clean and reliable source of water for all customers. Additionally, there are several areas within the Distribution System where adequate fire flows are not available due to the size of the mains in these areas. This project will correct these deficiencies, as well as rehabilitate a number of older meters in the System that have become unmeasurable.
412/R,R&E	70100	NCRWTP ASR Conversion	NCRWTP ASR Conversion
412/R,R&E	70124	Water Distribution Telemetry	Multi-year program to add telemetry system-wide.
412/R,R&E	70127	Crystal Lake FM Relocation	Relocate aerial crossing
412/R,R&E	70128	County Utility Standards	Update County utility standards
412/R,R&E	70158	Lower Tamiami Well Replacement Program	Replace one well per year to increase system reliability.
412/R,R&E	70170	Vulnerability Assessment Study	Perform a vulnerability assessment study for the water system
412/R,R&E	70202	2003 Utility Standards	2003 Update to County utility standards
412/R,R&E	70300	Immok. Rd.-US41-175 Relocate	Design and construction for relocation of existing water main on Immokalee road from US 41 to I75
412/R,R&E	70301	VBR - Airport/CR951 Relocate	Design and construction for relocation of existing water main on Vanderbilt Beach Road from Airport Road to CR 951
412/R,R&E	70302	CR951 - GGP to Immok. Rd. Relocate	Design and construction for relocation of existing water main on CR 951 from Golden Gate Parkway to Immokalee Road.
412/R,R&E	70303	Golden Gate Parkway - Airport Rd. to SBB relocate	Design and construction for relocation of existing water main on Golden Gate Parkway from Airport Rd to Santa Barbara Blvd.
412/R,R&E	70306	Rattlesnake Hammock Rd. - Polly to CR951 relocate	Design and construction for relocation of existing water main on Rattlesnake Hammock Rd from Polly to CR951
412/R,R&E	70881	BackFlow / Cross-connection	Relocate all services in the Collier County Water District to meet DCR mandated cross-connection control levels. This is a five year project, with the bulk of the funds being expended in the first three years of the project.
412/R,R&E	70882	Billing System	Update the Billing System software currently utilized by the Dept. of Revenue for water and wastewater 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.
New Water 412 Projects			
412/R,R&E	W8	NCRWTP RO Membrane Replacement	Replacement required every six years.
412/R,R&E	W9	NCRWTP Nanofilter Replacement	Replacement required every six years.
412/R,R&E	W10	SCRWTP Membrane Replacement	Replacement required every six years.
412/R,R&E	2002-1	As needed consulting services	As needed engineering consulting services
412/R,R&E	2002-2	NCWTP Saltwater Feasibility	Study to determine feasibility of treating saltwater at existing and new plants
412/R,R&E	2002-3	Auto Ranch Road MSBU	Auto Ranch Road MSBU
412/R,R&E	2002-4	Asset Management	Perform Asset Management Study
412/R,R&E	2002-5	SCRWTP Lime Softening New Fourth Reactor	Study, design and construction of new fourth lime softening reactor for reliability
412/R,R&E	W33	NERWTP RO Membrane Replacement	Replacement required every six years.
412/R,R&E	W34	SERWTP RO Membrane Replacement	Replacement required every six years.

1. 411/GD = Growth Driven (Funded by Impact Fee)
2. 412/R,R&E = Renewal, Replacement & Enhancement (Funded by User Fee)

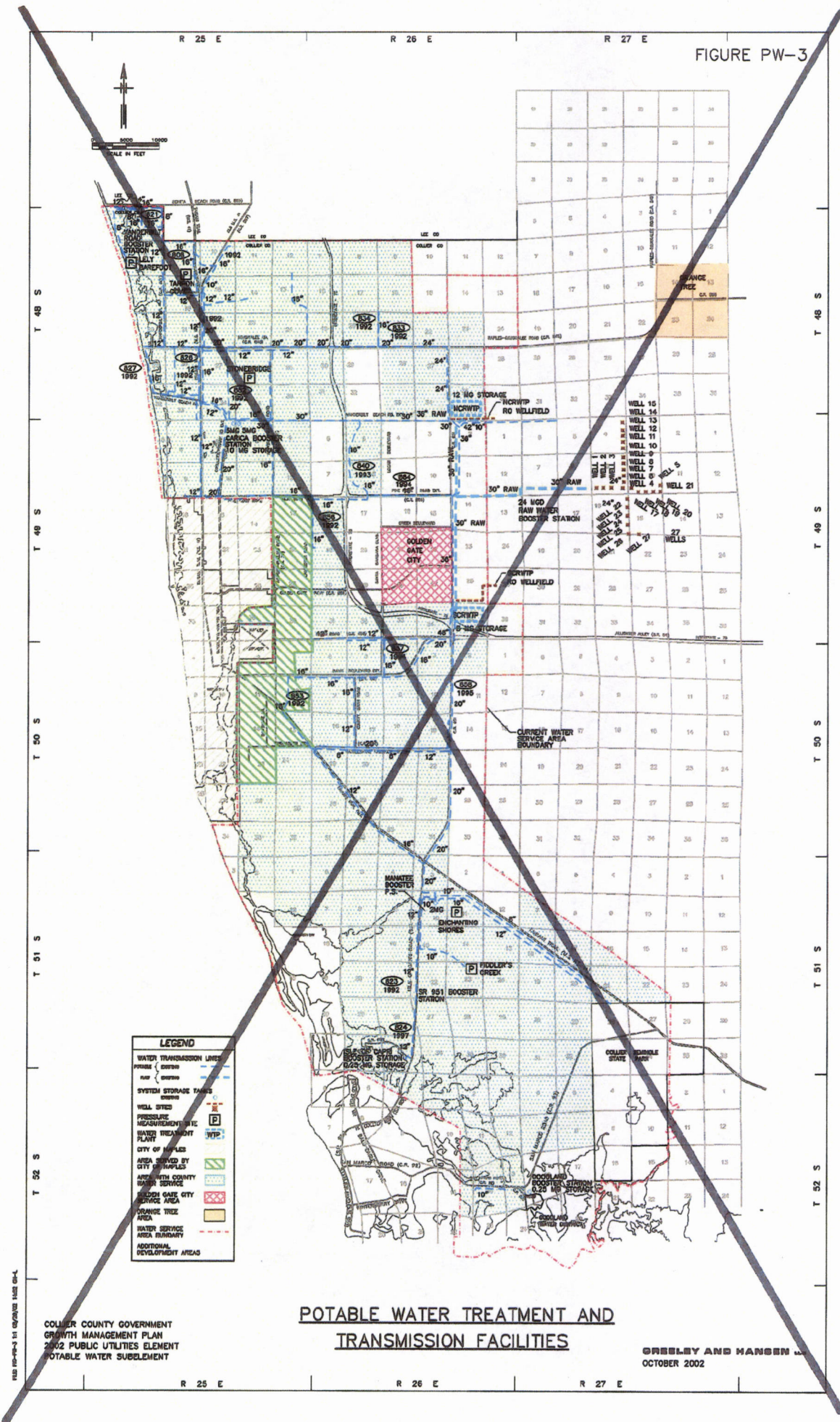
FIGURE PW-1



COLLIER COUNTY WATER DISTRICT BOUNDARIES

COLLIER COUNTY GOVERNMENT
GROWTH MANAGEMENT PLAN
2012 PUBLIC UTILITIES ELEMENT
PORTABLE WATER SUBELEMENT

GREELEY AND HANSEN, LLC
OCTOBER 2002



LEGEND

- WATER TRANSMISSION LINES
 - 18" (solid)
 - 30" (dashed)
- SYSTEM STORAGE TANKS
 - 10 MG (circle with '10')
 - 24 MG (circle with '24')
 - 30 MG (circle with '30')
- WELL SITES
 - Pressure Measurement Site (circle with 'P')
 - Water Treatment Plant (circle with 'WTP')
- CITY OF NAPLES
 - Area Served by City of Naples (green hatched)
- AREA WITH COUNTY WATER SERVICE
 - Golden Gate City Service Area (red hatched)
 - Orange Tree Area (orange hatched)
- WATER SERVICE AREA BOUNDARY
 - Water Service Area Boundary (dashed line)
 - Additional Development Areas (dotted line)

COLLIER COUNTY GOVERNMENT
 GROWTH MANAGEMENT PLAN
 2002 PUBLIC UTILITIES ELEMENT
 POTABLE WATER SUBELEMENT

POTABLE WATER TREATMENT AND TRANSMISSION FACILITIES

GREBLEY AND HANSEN
 OCTOBER 2002