



# City of Venice Water Supply Work Plan

*Prepared for:*

The City of Venice Utilities Department  
Sarasota County, Florida

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## EXECUTIVE SUMMARY

In 2005, the Florida Legislature adopted the Florida Water Resources Act. This legislation amended the water supply planning requirements for all jurisdictions. The legislation requires local governments to adopt an updated Water Supply Work Plan within 18 months of the adoption of the Regional Water Supply Plan prepared by the water management districts. The purpose of the Water Supply Work Plan is to assess the projected water demands and their potential water sources and facilities. The goal of the Water Supply Work Plan is to establish future water demands and potential water sources to assist the Southwest Florida Water Management District (SWFWMD) in creating a framework for the future water management decisions in the District. The City of Venice's (City) Water Supply Work Plan has been prepared in accordance with Section 163.3177 F.S.

The City's potable system consists of 15 water supply wells. The well's brackish water is pumped from the Intermediate Aquifer System (IAS) to 4.66 million gallons per day (MGD) max day capacity reverse osmosis (RO) water treatment plant (WTP). After treatment, the City and Sarasota County distribute water to users through over 180 miles of mains. In 2017, the City provided nearly 800 million gallons of potable water to its customers.

This document includes capital improvement plan (CIP) projects necessary to ensure that the projected demand for water can be met over the planning period. CIP projects such as utility relocations will help ensure adequate water supply to customers. Key conservation issues are addressed through leak detection programs and meter replacements projects. Potable water reduction is achieved through reuse infrastructure improvements and expansion projects. These programs are anticipated to be essential for reducing aquifer withdrawals.

The City has been coordinating with regional and local agencies to meet the goals of this Work Plan. At a regional level, the City works in partnership with SWFWMD for permitting and planning. The City provides water to the majority of its residents. The City also works with Sarasota County to provide utility services to areas outside the City through joint planning areas. Additionally, the City has two existing emergency water interconnects and one future interconnect with the County so that water can be exchanged between the systems in a time of emergency.

Based on the data and subsequent analysis defined within this Work Plan, the projected average day water demands can be met in the 10-year planning period. The City can lengthen the amount of time before exceeding the permitted max day limits by increasing the recovery rate of the membrane elements at the WTP. The projected water demands and projected sufficiency are subject to continued commitment to water supply projects and conservation/reuse activities outlined in this document.

## INTRODUCTION

The City of Venice's (City) Water Supply Work Plan is an assessment of the projected water demands and potential water sources that are required to meet these demands within the next 10 years (2017-2027). The purpose of this Work Plan is to ensure adequate water supply for the City's future population. The City's Water Supply Work Plan has been prepared in accordance with Chapter 163, Part II, F.S. These laws state that local governments must address their water supply sources necessary to meet and achieve existing and projected water use demands for the established planning period in their 2017-2027 Comprehensive Plan. According to state statutes, the Water Supply Plan and the Comprehensive Plan amendments must address the development of traditional and alternative water supply sources, bulk sale agreements, conservation measures, and reuse programs that are necessary to serve the existing and projected water demands for at least a 10-year period.

## Statutory Requirements

The City is required by Florida Statutes to adopt a Water Supply Work Plan that complies with the following Florida regulations for water supply and facility planning:

1. Section 163.3177(4)(a), F.S.: Coordinate appropriate aspects of the comprehensive plan with the appropriate management district's regional water supply plan.
2. Section 163.3177(6)(c), F.S.: Revise the Potable Water Sub-Element to adopt a water supply facilities work plan covering at least a 10-year planning period to meet existing and projected demand. The work plan should address those water supply facilities for which the local government has responsibility and include the facilities needed to develop alternative water supplies. The work plan should also identify conservation and reuse measures to meet future needs.
3. Section 163.3177(6)(d)(3), F.S.: Revise the Conservation Element to assess current and projected water needs and sources for at least a 10-year planning period. The analysis must consider the existing levels of water conservation, use, and protection and the applicable policies of the water management district, and the district's approved regional water supply plan. In the absence of an approved regional water supply plan, the analysis must consider the district's approved water management plan.
4. Section 163.3177(3)(a)4, F.S.: Revise the Capital Improvements Element to identify capital improvements projects to be implemented in the first 5 years of the work plan for which the local government is responsible, including both publicly and privately funded water supply projects necessary to achieve and maintain adopted level of service standards; and adopt a 5-year schedule of capital improvements to include those projects as either funded or unfunded, and if unfunded, given a level of priority for funding.
5. Section 163.3177(6)(h)1, F.S.: Revise the Intergovernmental Coordination Element to adopt principles and guidelines to be used to coordinate the comprehensive plan with the regional water supply authority (if applicable) and with the applicable regional water supply plan.
6. Section 163.3191(1) and (2), F.S.: During the Evaluation and Appraisal review, determine if comprehensive plan amendments are necessary to reflect statutory changes related to water supply and facilities planning since the last update to the comprehensive plan. If necessary, transmit the amendments to incorporate the statutory changes as appropriate.

## BACKGROUND INFORMATION

### City of Venice Overview

The City of Venice is located in Southwest Florida and is composed of 10,600 acres, or roughly 16 square miles, in Sarasota County. The City, located south of the City of Sarasota and to the north of Fort Myers, extends from the Gulf of Mexico east to the Myakka River. The City of Venice provides a range of municipal services, including: potable water, sewer, reclaimed water, solid waste and recycling collections, road and parks maintenance, stormwater management, building inspections, planning, zoning, code enforcement, and fire and police emergency services.

The City currently provides about 26,500 people with potable water. Customers consist primarily of retirees and a seasonal population. According to the 2017 University of Florida Bureau of Economic Business and Research (BEER), approximately 22,300 customers are full-time residents and approximately 4,200 customers are seasonal. The City serves these customers through approximately 875,000 linear feet of water mains. In 2017, the City provided nearly 800 million gallons of water to its customers.

## WATER USE PERMIT INFORMATION

The Southwest Florida Water Management District (SWFWMD) issues water use permits (WUPs) authorizing withdrawal quantities of ground or surface waters. The City received a modification to their WUP on October 27, 2015. A summary of the existing permit information is below.

**Permit Number** 20005393.010

**Type of Application:** Letter Modification

**Permit Issue Date:** May 6, 2011, Revised October 27, 2015

**Permit Expiration Date:** December 16, 2028

**Granted To:** City of Venice, 200 N Warfield Ave, Venice, FL 34292

**Project Name:** City of Venice

**Water Use Caution Area:** Southern Water Use Caution Area

**County:** Sarasota

**Annual Average Authorized Withdrawal:** 6,864,000 GPD

**Peak Month Authorized Withdrawal:** 8,240,000 GPD

**Changes from Previous Permit:** The letter modification adds a proposed well to the permit which replaces a damaged well. District ID Well No. 51 has been damaged beyond repair and was plugged in 2016. A replacement well, District ID Well No. 80, was constructed near the abandoned well. The withdrawal quantities authorized in the permit remain unchanged from the initial permit issued in 2011.

## EXISTING SYSTEMS

### Production Wells

The City's potable system consists of 15 active water supply/production wells. Brackish water is pumped from the Intermediate Aquifer System (IAS) to the reverse osmosis (RO) WTP for treatment. The City is currently permitted (WUP Permit Number 20005393.010) by the Southwest Florida Water Management District (SWFWMD) for an average daily withdrawal of 6.86 MGD and a peak month withdrawal of 8.24 MGD. See **Appendix A** for a copy of the City's WUP issued in 2011 and subsequent letter modification approved in 2015. The City's production wells are shown in **Figure 1**.

**Table 1** lists the well identification number, diameter, casing depth, pump capacity, and wellfield name of each well within the IAS.

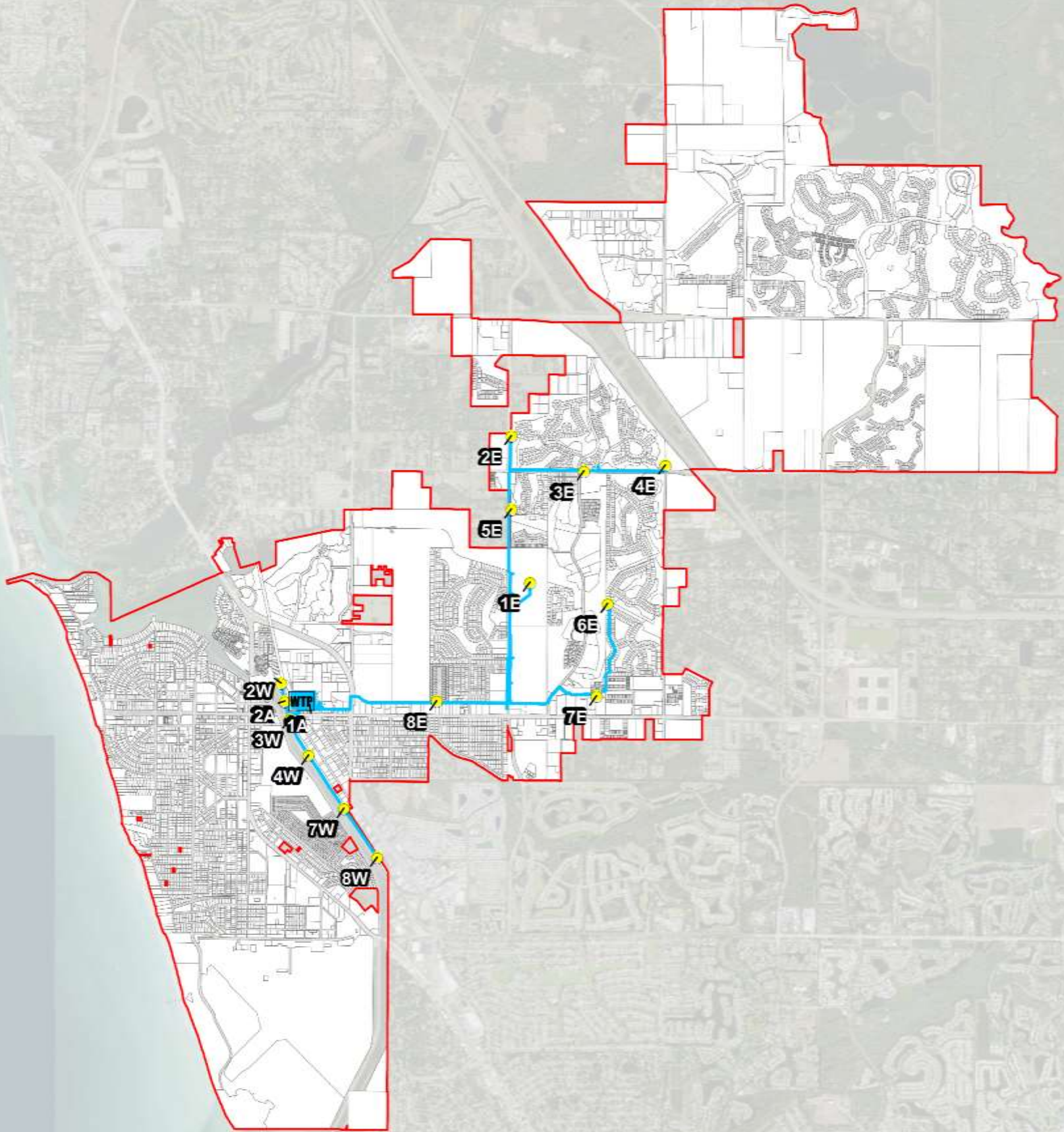
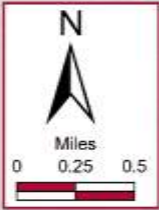
SWFWMD Well ID No./Permittee ID No.	Diameter (in)	Well Depth (ft)	Casing Depth bls (ft)	Maximum Permitted Withdrawal (GPD)	Wellfield
RO-2W/33	10	385	230	405,700	Intracoastal
RO-3W/34	10	450	230	425,100	Intracoastal
RO-4W/35	10	450	230	434,700	Intracoastal
RO-2A/49	10	450	230	405,700	Intracoastal
RO-8W/50	12	450	230	627,900	Intracoastal
RO-7W/51 <sup>1</sup>	12	405	269	405,700	Intracoastal
RO-1E/52	12	261	207	483,000	Eastern
RO-2E/54	12	360	197	627,900	Eastern
RO-3E/55	12	320	242	627,900	Eastern
RO-4E/56	12	320	228	627,900	Eastern
RO-5E/57	12	359	225	627,900	Eastern
RO-1A/65	12	320	220	531,300	Intracoastal
RO-6E/77	12	320	220	627,900	Eastern
RO-7E/78	12	320	220	627,900	Eastern
RO-8E/79 <sup>2</sup>	12	350	230	627,900	Eastern
RO-7AW/80	10	385	230	531,300	Intracoastal

<sup>1</sup> Well RO-7W/51 was capped and abandoned September 2016 and has since been replaced by well RO7AW/80

<sup>2</sup> Well RO-8E/79 is proposed



**FIGURE 1: CITY OF VENICE PRODUCTION WELLS  
VENICE WATER SUPPLY WORK PLAN**



**Kimley»Horn**

- Legend**
-  Water Treatment Plant
  -  Production Wells
  -  Raw Water Mains
  -  City of Venice Boundary

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



## Water Treatment Facility

Water from the production wells is pumped to the RO treatment facility located at 200 N Warfield Ave, Venice FL, 34285. The RO treatment facility has a max day operating capacity of 4.66 MGD.

### Pretreatment

Raw water is pumped through a cyclone sand separator and five-micron cartridge filters to separate particulates from the process stream. Raw water is dosed with an anti-scalant to increase the dissolved mineral solubility limits prior to the membrane treatment.

### Membrane Treatment

The City currently feeds pre-treated water through the membrane skids at 150 psi. Newer skids, installed in 2015, are operated at approximately 100-120 psi. While these are low pressure for brackish RO processes, they are considered high pressure membranes. The treatment plant has four membrane skids operating in parallel. The finished water capacity is defined by the designed recovery rate; the current recovery rate is approximately 50 percent. The recovery rate can be affected by items such as: age of membrane elements, constituents in feed water, pH of feed water, feed pressure, type of membrane elements installed, and discharge permit requirements. The WTP underwent a major upgrade in 2015 which included replacement of the membrane skids, feed pumps, and SCADA system. The intent of the upgrade was to replace aging components and upgrade monitoring and control functions of the membrane process. **Figure 2** and **Figure 3** show the RO membrane skids.



*Figure 2: RO Membrane Skids and Concentrate Pipe Line*



*Figure 3: RO Permeate Collection from Pressure Vessels*

If the operations of the WTP increase the recovery rate of the membranes, it will have a direct impact on the future capacity needed from the IAS and respective WUP withdrawals. An increased recovery rate produces more potable water without increasing the raw water withdrawal. As such, the plant can be rated with a greater capacity without increasing the WUP withdrawals.

Additionally, the WTP completed a pilot test to demonstrate an increasing recovery rate for membrane production. The test helped determine optimal recovery rates while identifying the concentrate water quality to be disposed into the surface water discharge, and ways to maintain or reduce the amount of water drawn from the production wells while serving a growing demand. The pilot testing was conducted to evaluate the potential to incrementally increase the recovery from the current level of 50% to 75%. The pilot study identified the respective higher feed pressures needed to increase the recovery rate and the required mechanical upgrades.

The pilot's skid's membrane elements were autopsied to determine the nature of foulant experienced during the higher recovery rates and potential cleaning regimes necessary for restoring the element to original performance. The concentration of dissolved ions in the concentrate is also a key element to the pilot study due to the City's current surface water discharge permit. Surface water discharges are highly regulated and any increase in recovery can have dramatic effect on the concentrate discharge water quality. The pilot is also intended to examine the concentrate water quality at different recovery rates to determine disposal method viability to the existing surface water disposal.

Results supported the possibility of increasing recovery rates in existing membranes to 60% and an overall increase in recovery to 75% following the capital expansion including the second stage of membrane treatment. The pilot testing also confirmed that the surface water concentrate discharge water quality

criteria of the existing FDEP discharge permit can still be met with the increased recovery rates. A discharge permit modification request has been submitted to the FDEP with the increased recovery rates. The results of the pilot study, or the Venice WTP RO Process Efficiency Study, were submitted to the SWFWMD in June of 2018.

### Post Treatment

After membrane treatment, the permeate from each membrane train is combined and blended with filtered raw well water that bypasses the RO membrane process. The blending ratio is approximately 6 percent filtered raw water to RO permeate. The blending of filtered raw water with RO permeate recharges the filtered, or finished, water with a mineral content to stabilize the water prior to distribution. The blended finished water is pumped up to the degasification towers for hydrogen sulfide ( $H_2S$ ) removal. The degasification towers remove  $H_2S$  by colliding air with water, releasing the volatile  $H_2S$ . The City adds caustic soda to the finished water to raise the pH to 8.0. Zinc orthophosphate is used as corrosion inhibitor, then sodium hypochlorite is injected for disinfection.



*Figure 4: Forced Draft Degasifiers to Remove Hydrogen Sulfide from Finished Water*

### Concentrate Treatment and Disposal

The water that is rejected through the membrane process is disinfected with sodium hypochlorite and treated with compressed air to remove hydrogen sulfide gas as well as increase the dissolved oxygen content in the concentrate. The treated concentrate is discharged to a mixing zone in the Intracoastal Waterway.



## Storage

The City uses a combination of storage tanks located at the WTP and throughout the City to charge the distribution system. These storage tanks provide additional storage during peak demands and during fire flow occurrences. The City currently has a combined 3.1 million gallons of storage at the following locations:

1. A 1.0-million-gallon clearwell located at the WTP. Finished water is stored in this baffled clearwell prior to being pumped into the distribution system
2. A 300,000-gallon elevated storage tank at the WTP
3. A 300,000-gallon elevated storage tank located at the Chuck Reiter ball field
4. A 1.5-million-gallon ground storage tank located at the Pinebrook Booster Pump Facility

An additional booster station is set to come online in 2020. The new station will have a 2.0-million-gallon ground storage tank, providing an additional 500,000 gallons of storage, and an emergency interconnect with Sarasota County. At this time, the Pinebrook Booster Pump Facility will be decommissioned including its 1.5-million-gallon storage tank.



*Figure 5: Elevated Water Storage Tank at WTP Site*

## Distribution Pumping Capacity

Finished water from the one-million-gallon clearwell is pumped to the distribution system using three 125-hp vertical turbine, high service pumps that are fitted with variable frequency drives (VFDs). The high service pump station also includes two spare pumps that are not connected into the system. Distribution system pressure is typically between 55 psi and 58 psi.

The Pinebrook Booster Pump Facility utilizes a 150-hp booster pump and a 125-hp backup booster pump. A 16-inch influent line supplies treated water to the Pinebrook Booster Pump Facility. Flow is regulated into the facility by a 16-inch pressure-sustaining altitude valve at a typical rate between 500 and 900 GPM.

## Distribution System

The City's distribution system consists of over 8 miles of raw water mains, over 190 miles of potable water mains, over 1,000 fire hydrants, and almost 3,500 main line valves. This system provides water for residents, commercial businesses, irrigation systems, and fire hydrants throughout the City. **Table 2** shows the total length of the City-owned distribution system piping classified by diameter. A map of the distribution system is shown in **Figure 6** and in **Appendix B**.

Table 2: Distribution System Pipe Length	
Pipe Diameter (in)	Length (ft)
1	2,300
2	67,000
3	24,200
4	125,300
6	312,000
8	234,600
10	37,700
12	146,600
14	1,200
16	16,400
20	700
24	300
<b>TOTAL</b>	<b>968,300</b>

## Water System Interconnections

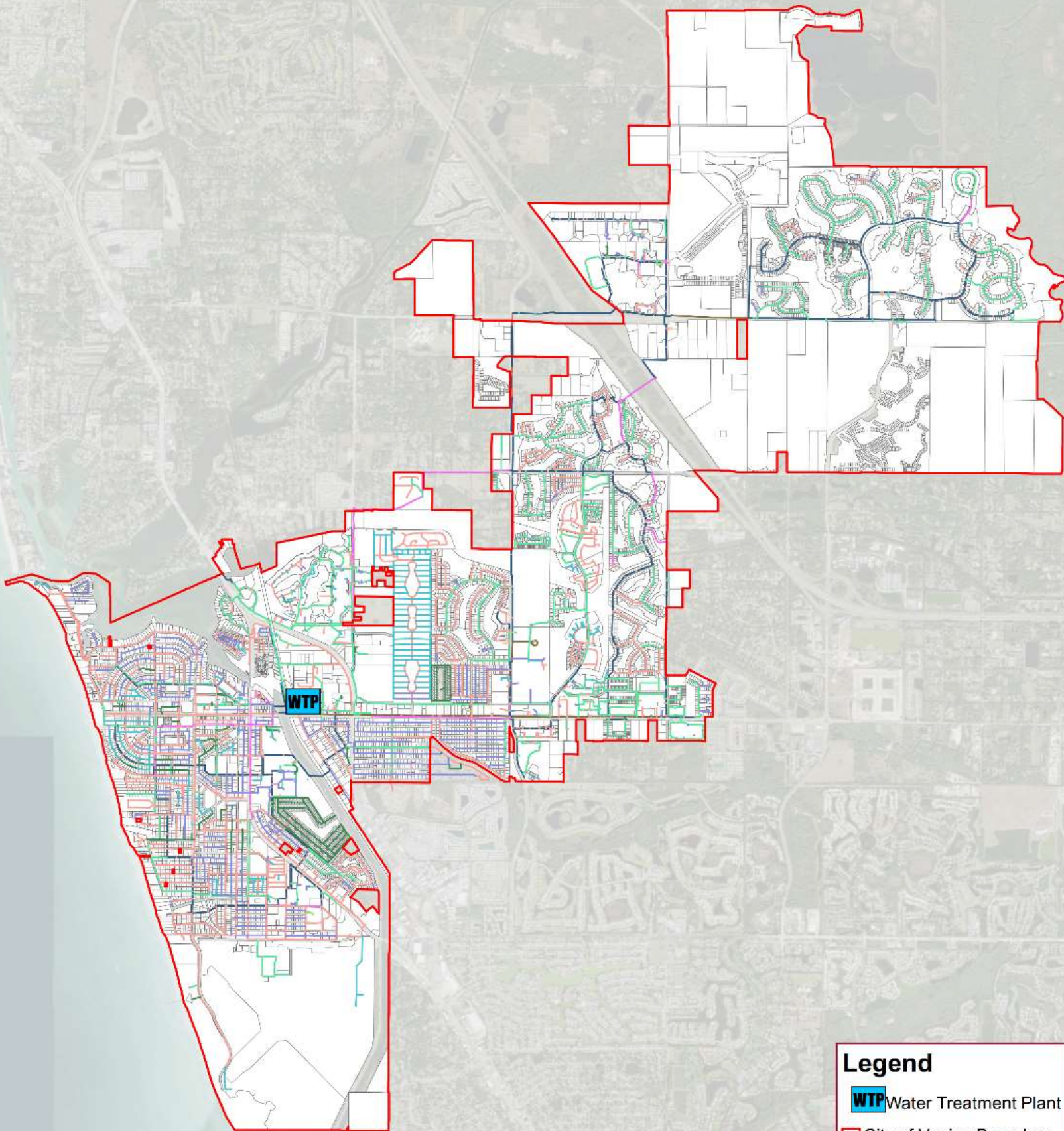
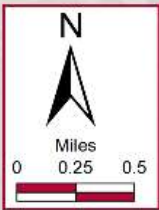
The City of Venice currently has two interconnections with Sarasota County. The Country Club Way Interconnection is located on the south side of Venice and consists of a 6-inch, aboveground assembly. The Colonia Lane Interconnection is located on the north side of Venice and consists of a 6-inch, aboveground assembly. The flow of water through each of these interconnects is controlled by manual valves that are only opened during a water emergency. Valves at the interconnects are exercised on a schedule with the City and Sarasota County present. Manual read-out totalizing flowmeters are installed to determine how much flow is delivered from one party to the other. There is an additional 8-inch, aboveground interconnect planned for the Future Booster Pump Station as discussed on page 9.

Since December 13, 1994, the City and Sarasota County have had an emergency interconnection agreement which allows the purchase and sale of bulk water when needed by either party. The current agreement, signed on October 9, 2012, states that during an emergency, the Requesting Party with the water shortage must notify the Selling Party in writing to request a purchase of surplus water. The Selling Party must respond in 24 hours; the response must include the quantity of water available. The agreement states there is a limit of 0.5 million gallons per day for no more than 60 days that may be sold or purchased. The rate of supply shall not exceed 400 GPM average over a 24-hour period. The Colonia Lane interconnection was constructed in 1990 and has never been used. The Country Club Way interconnection was used one time to supply Sarasota County during a water shortage in the early 2000s.



FIGURE 6: CITY OF VENICE WATER DISTRIBUTION SYSTEM

VENICE WATER SUPPLY WORK PLAN



Legend

WTP

Water Treatment Plant

City of Venice Boundary

Pipe Diameter (Count)

1"

(39)

2"

(563)

3"

(157)

4"

(709)

6"

(4,276)

8"

(1,613)

10"

(269)

12"

(783)

14"

(5)

16"

(78)

20"

(6)

24"

(12)

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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



## REGIONAL ISSUES

The City's water quality and quantity issues are not exclusive to the City of Venice. Other cities, counties, municipalities, and regions face similar issues. The City is currently involved with organizations to mitigate the over withdrawal of fresh water sources and provide alternative solutions to future water demands. The following sections describe the regional issues that affect the City.

### Southern Water Use Caution Area

The Southern Water Use Caution Area (SWUCA) was established by SWFWMD in 1992 to address declines in aquifer levels due to increasing groundwater withdrawals. In 2006, SWFWMD initiated a 20-year recovery strategy to ensure the health of water bodies within SWUCA while meeting water supply needs. The District evaluates the progress of the recovery strategy every 5 years in respect to the following goals: achieve minimum required flows in the upper Peace River, achieve minimum lake levels in the lakes along the Lake Wales Ridge, achieve minimum levels of saltwater intrusion in the aquifer, and ensure existing and projected water supply needs are met.

As of 2015, a collective effort across the SWUCA has resulted in steady progress towards meeting or achieving the goals set forth in the 20-year recovery strategy. Monitoring the regional water supply and planning for future needs is helping to restore and maintain the health of water bodies despite population growth. The City continues to operate in accordance with the District's recovery strategy and will be mindful of the SWUCA Assessment's 2025 major goals as it manages its water supply.

### Southwest Florida Water Management District

SWFWMD created the Regional Water Supply Plan (RWSP) and updated the document in 2015. At a district level, the RWSP can support future water management decisions in the District, identifying sufficient water sources and viable conservation strategies. Water providers within the four designated Planning Regions utilize the document when identifying alternative water sources and methods for maintaining the health of those sources despite growing demands. The RWSP also projected the water demands through 2035 for each region and county. The City of Venice is located within the Southern Region and Sarasota County. SWFWMD's projected demands for these areas are tabulated below. The supply and demand were calculated using existing and potential supply from the 2015 RWSP Southern Region Community Planning Pages.

Table 3: Supply and Projected Demands		
Areas	Flow (MGD)	
	Current Potential Supply	2035 Projected Demand
Southern Region	515.92	129.24
Sarasota County	127.60	48.86
City of Venice	6.86	2.42

The Regional Water Supply Plan shows there are sufficient alternative water sources of fresh groundwater from the Upper Floridan Aquifer to meet future demands and replace some of the current fresh groundwater withdrawals causing hydrologic stress.

The City will submit their own Water Supply Work Plan to SWFWMD. Once accepted, SWFWMD will incorporate the City's water needs into the regional plan. SWFWMD will use the Water Supply Work Plans to create a framework for the future water management decisions in the District.

## Pilot Study

SWFWMD required the City to complete the previously mentioned pilot study to investigate the potential to increase the recovery rate of the RO membranes. The current recovery rate is approximately 50%. The pilot study evaluated increasing the recovery rate in increments up to 75% and considered the effects of higher recovery rates regarding the fouling potential of the membrane elements, and the ionic strength of the concentrate as it relates to the surface water disposal.

## Sarasota County

The City executed a Joint Planning and Interlocal Service Boundary Agreement (JPA/ILSBA) with Sarasota County on October 26, 2010. The Agreement addresses potential annexation areas and the coordination of extra-jurisdictional planning. In the Agreement, both the City and the County agree upon future land use, utility service, transportation, and environmental decisions. The Joint Planning and Interlocal Service Boundary Agreement is located in **Appendix C. Figure 7** shows the areas of interest within the Joint Planning and Interlocal Service Boundary Agreement. Listed below are the JPA/ILSBA subarea numbers and descriptions.

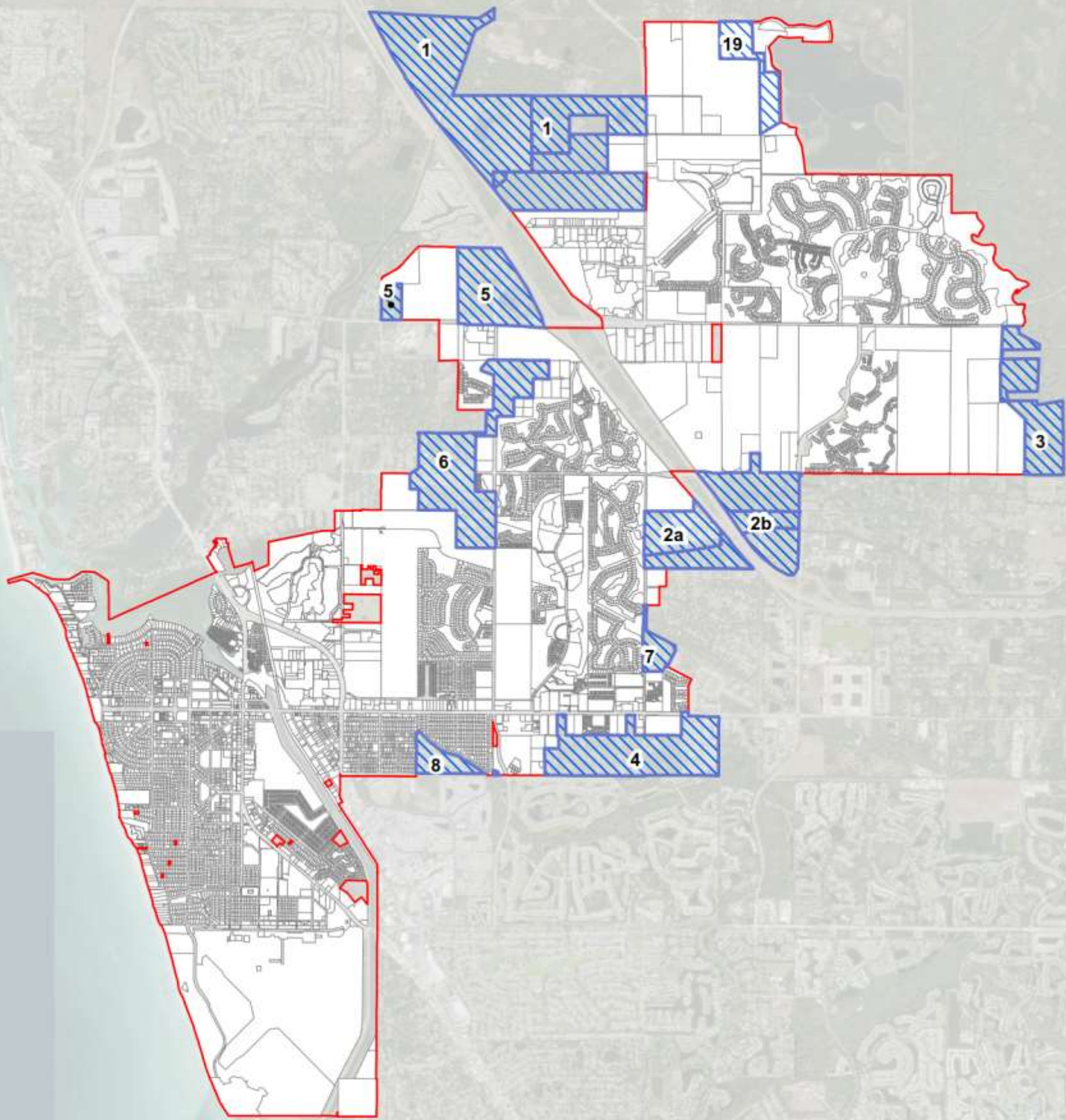
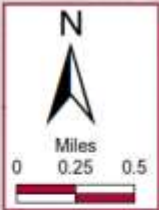
1. Knights Trail
- 2a. Auburn Road to I-75
- 2b. 1-75/Jacaranda Boulevard
3. Border Road to Myakka River
4. South Venice Avenue
5. Laurel Road Mixed Use (served by Sarasota County)
6. Pinebrook Road
7. Auburn Road
8. Gulf Coast Boulevard
19. SJT-Venice Parcel

## Other Water Partners

The City of Venice has also been coordinating with the Water Planning Alliance. The goal of the Water Planning Alliance is to achieve non-traditional long-term potable water demands to reduce groundwater and surface water withdrawals. The Water Planning Alliance consists of members from Charlotte, DeSoto, Manatee, and Sarasota counties as well as the cities of Arcadia, Bradenton, North Port, Palmetto, Punta Gorda, Sarasota, Venice, the Town of Longboat Key and Englewood Water District.



FIGURE 7: JOINT PLANNING AND INTERLOCAL BOUNDARY AREAS OF INTEREST  
VENICE WATER SUPPLY WORK PLAN



Kimley»Horn

**Legend**

- JPA/ILSBA Subareas
- City of Venice Boundary
- City of Venice Parcels

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

## DATA AND ANALYSIS

### Population Methodology

Population and demand projections are the basis for planning the future potable water supply. This Water Supply Plan determined population projections using data sources standardized in other City planning documents, such as the Water Master Plan and Comprehensive Plan, to ensure consistency across the documents. This Water Supply Plan also incorporates population data from the University of Florida Bureau of Economic and Business Research (BEBR), the U.S. Census Bureau, and the SWFWMD. The summary of the population estimates is shown in **Table 4**.

The following steps were taken to determine the City's population for potable water demand estimates:

1. Calculate City's Functional Population
  - a. Calculate City's Permanent Population
  - b. Calculate City's Seasonal Population
  - c. Combine Permanent and Seasonal estimates for the Functional Population
2. Calculate the City's Build-Out Population
  - a. Calculate the maximum number of dwelling units using densities and acreages provided in the Future Land Use Map from the City's Comprehensive Plan
  - b. Calculate the population from the maximum number of dwelling units using the occupancy rate provided in the Comprehensive Plan
  - c. Calculate percentage of Build-Out for each year of analysis using Functional Population projections and Build-Out Population
3. Calculate Population Projections according to land-use type using Functional and Build-Out Populations
  - a. Residential
  - b. Non-Residential
  - c. Mixed-Use
    - i. Residential Population
    - ii. Non-Residential Population
    - iii. Combined Population
  - d. Joint-Planning Area/Interlocal Service Boundary Agreement
    - i. Residential Population
    - ii. Non-Residential Population
    - iii. Combined Population

### Functional Population

The City utilizes a Functional Population estimate for planning purposes, consisting of the City's permanent and seasonal residential populations. The Permanent Population resides within the City year-round. The Seasonal Population resides within the City for a portion of the year, typically between November and April. The Functional Population of the City is the combination of the number of permanent and seasonal residents and was used to determine potable water demands, in 5-year increments, over the next 20 years.

### Permanent Residential Population

For this analysis, BEBR data was used to estimate the City's permanent resident population. BEBR provides population projections for Florida counties in 5-year increments from 2015. **Table 4** shows 20-



year population projections in 5-year increments from 2017 to incorporate latest available population data while reflecting BEBR's trends for growth in Sarasota County.

It was assumed that the City's Permanent Population represents 5.5% of Sarasota County's population; this percentage has been consistent over the past five years and the trend is expected to continue 5 and 10 years from now (2022 and 2027, respectively). 5.5% was applied to the Sarasota County Population for years 2022, 2027, 2032, and 2037 to calculate the City's Permanent Population. The population reported for 2017 is from the U.S. Census Bureau.

### Seasonal Population

Utilizing historical billing data and SWFWMD's *Water Use Permit Information Manual, Part D Requirements for the Estimation of Permanent and Temporal Service Area Populations*, the seasonal population was calculated as 16.4% of the Permanent Residential Population. However, for this Water Supply Plan, the percentage was increased to 18.8% based on discussions with City staff and percentages reported in the Comprehensive Plan. 18.8% was applied to the City's calculated Permanent Residential Population for each year under analysis.

### Functional Population

The Functional Population is a combination of the Permanent Residential and Seasonal Population projections. These projections were combined for each year and listed as the Functional Population in **Table 4** below.

### Build-Out Population

The City's Build-Out Population is the maximum number of persons the City can accommodate according to land-use policies established in the Comprehensive Plan. This population was determined using data provided in the City's Future Land Use Map (FLUM), shown in **Figure 8**, which defines the City's physical form and function.

Using acreages from the FLUM and densities listed in the Comprehensive Plan, a maximum number of dwelling units (DUs) was calculated. An occupancy rate of 1.75 persons/DU was applied to the Maximum DUs, resulting in a maximum functional Build-Out Population of 69,549.

Percentage of Build-Out was calculated for each year under analysis using population estimates from BEBR and the estimated Build-Out Population. Percentages of Build-Out, as shown in **Table 4**, are applied in subsequent sections to residential and non-residential land use types within City limits to estimate potable water demand per land use type per year.

Table 4: Population Projections - Summary						
Category	2017	2022	2027	2032	2037	Build-out
Sarasota County Resident Population	407,260	430,299	452,351	470,387	484,873	
City of Venice Permanent Resident Population <sup>1</sup>	22,306 <sup>2</sup>	23,666	24,879	25,871	26,668	58,543
City of Venice Seasonal Population <sup>3</sup>	4,194	4,449	4,677	4,864	5,014	11,006
City of Venice Functional Population <sup>4</sup>	26,500	28,116	29,557	30,735	31,682	69,549 <sup>5</sup>
Percentage of Build-Out	38.1%	40.4%	42.5%	44.2%	45.5%	100%

<sup>1</sup>5.5% of Sarasota County Resident Population

<sup>2</sup>2017 Population Estimate for the City of Venice from the U.S. Census Bureau

<sup>3</sup>18.8% of City of Venice Permanent Resident Population

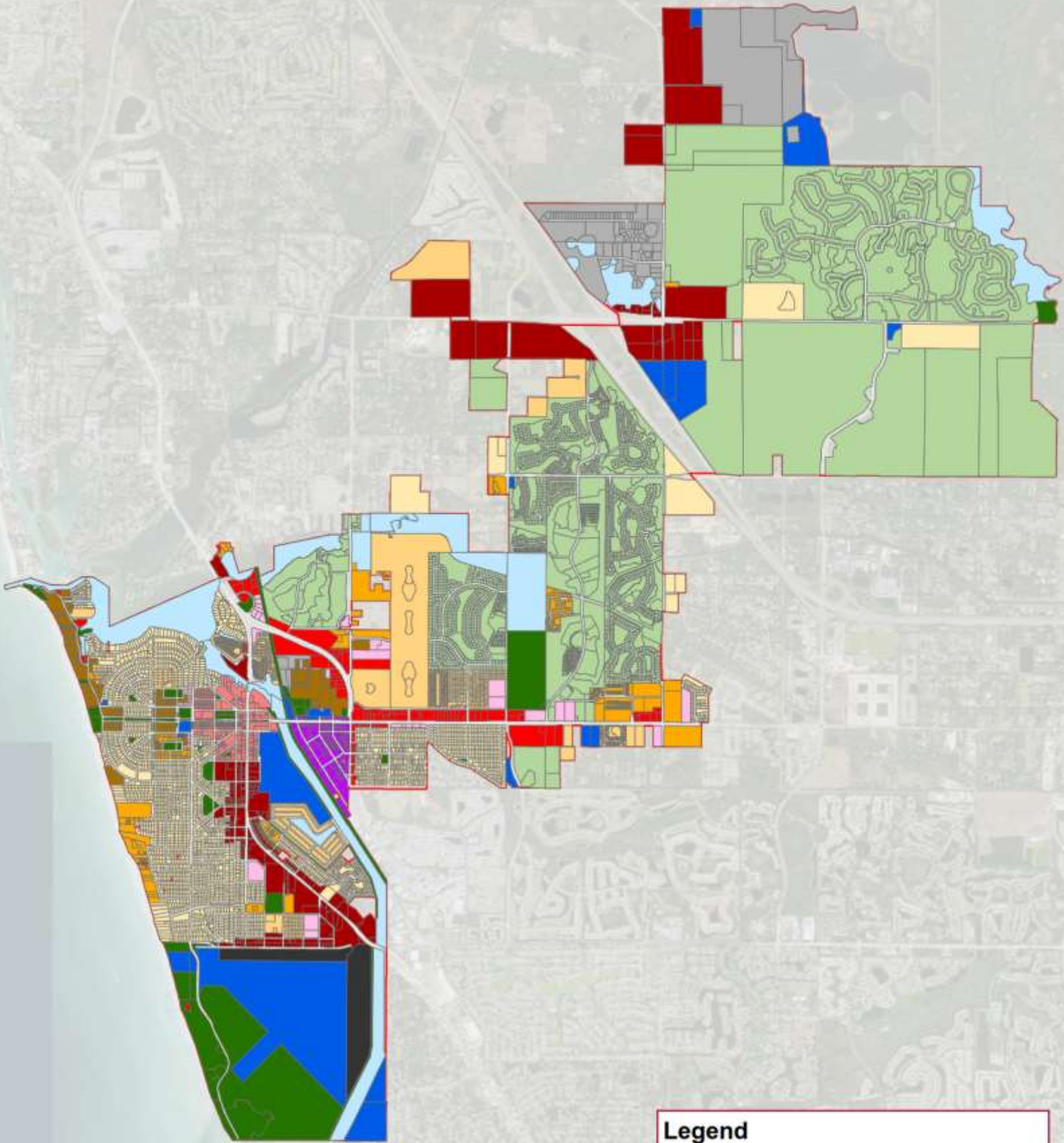
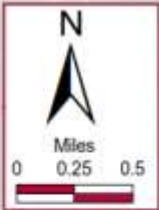
<sup>4</sup>Combined Permanent Population and Seasonal Population total

<sup>5</sup>Based on FLUM data and an occupancy rate of 1.75 persons/DU



FIGURE 8: FUTURE LAND USE MAP

VENICE WATER SUPPLY WORK PLAN



Kimley»Horn



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

## Population Projections

Potable water projections consist of demands from Residential, Non-Residential, Mixed-Use and JPA/ILSBA areas. The following section summarizes the estimated populations for these areas used to determine projected potable water demand.

### Residential Population Projections

Residential Population projections were calculated from data provided in the FLUM. The maximum number of dwelling units (DUs) per land-use type was calculated using allowable acreages for residential development and maximum allowable densities listed in the Comprehensive Plan. Maximum DUs are shown in **Table 5**.

See formula used for determining Maximum Dwelling Units below:

$$(\text{Gross Acreage}) \times (\% \text{ Area Allowable}) = \text{Acreage Allowable}$$

$$(\text{Acreage Allowable}) \times (\text{Maximum Allowable Density}) = \text{Maximum Dwelling Units}$$

Table 5: FLUM City Residential Impacts - Maximum Dwelling Units					
Future Land Use Designation	Gross Acreage	% Area Allowable	Acreage Allowable	Maximum Allowable Density (DU/acre)	Maximum DUs
Low Density Residential	1,020	100%	1,020	5	5,100
Moderate Density Residential	543	100%	543	9	4,887
Medium Density Residential	244	100%	244	13	3,172
High Density Residential	134	100%	134	18	2,412
<b>TOTALS</b>					<b>15,571</b>

The Functional Residential Population for each year was calculated from the maximum number of DUs, by applying percentage of build-out for the respective year and an occupancy rate of 1.75 persons/DU. Estimated functional residential population values are presented in **Table 6** below.

See formula used for determining populations per year below:

$$(\text{Maximum Dwelling Units}) \times (\text{Occupancy Rate}) \times (\% \text{ of Build-Out for Year}) = \text{Population for Year}$$

Table 6: FLUM City Residential Impacts - Functional Population Projections				
Future Land Use Designation	Maximum DUs <sup>1</sup>	Total Population <sup>2</sup>		
		2022 (40.4%) <sup>3</sup>	2027 (42.5%) <sup>3</sup>	Build-Out (100%) <sup>3</sup>
Low Density Residential	5,100	3,606	3,791	8,925
Moderate Density Residential	4,887	3,455	3,632	8,552
Medium Density Residential	3,172	2,243	2,358	5,551
High Density Residential	2,412	1,705	1,793	4,221
<b>TOTALS</b>	<b>15,571</b>	<b>11,009</b>	<b>11,574</b>	<b>27,249</b>

<sup>1</sup>Maximum dwelling units provided in Table 5

<sup>2</sup>Based on an occupancy rate of 1.75 persons/DU

<sup>3</sup>Build-Out Percentages are listed in Table 4.



## Non-Residential Population Projections

Similar to the Residential Population projections, Non-Residential Population projections were determined using the FLUM and data from the Comprehensive Plan. Maximum developable areas per land-use type were determined from allowable acreages and floor to area ratios (FARs). Maximum developable areas are listed in **Table 7** below.

See formula used for determining maximum developable area below:

$$(\text{Gross Acreage}) \times (\% \text{ Allowable for Non-Residential}) = \text{Acreage Allowable}$$

$$(\text{Acreage Allowable}) \times (\text{Floor Area to Ratio}) = \text{Maximum Developable Area}$$

Table 7: FLUM Non-Residential Impacts - Maximum Developable Area					
Future Land Use Designation	Gross Acreage	% Allowable for Non-Residential	Acreage Allowable	Floor to Area Ratios	Maximum Developable Area (AC)
Commercial	184	100%	184	1.0	184
Conservation	608	100%	608	0.0	0
Government	634	0%	0	0.5	0
Industrial	523	100%	523	2.0	1,046
Institutional Professional	96	100%	96	0.5	48
Open Space	568	0%	0	0.05	0
<b>TOTALS</b>					<b>1,278</b>

Percentage of Build-Out was applied to the maximum developable area to determine developable area for each year of analysis. Estimates for non-residential land use types are shown in **Table 8**.

The following formula was used to calculate projections for developable areas:

$$(\text{Maximum Developable Area}) \times (\% \text{ of Build-Out for Year}) = \text{Total Developable Area for Year}$$

Table 8: FLUM Non-Residential Impacts - Developable Area Projections				
Future Land Use Designation	Maximum Developable Area (SQ FT) <sup>1</sup>	Total Developable Area (SQ FT)		
		2022 (40.4%) <sup>2</sup>	2027 (42.5%) <sup>2</sup>	Build-Out (100%) <sup>2</sup>
Commercial	8,015,040	3,238,282	3,404,239	8,015,040
Conservation	0	0	0	0
Government	0	0	0	0
Industrial	45,563,760	18,408,928	19,352,359	45,563,760
Institutional Professional	2,090,880	844,769	888,062	2,090,880
Open Space	0	0	0	0
<b>TOTALS</b>	<b>55,669,680</b>	<b>22,491,979</b>	<b>23,644,661</b>	<b>55,669,680<sup>3</sup></b>

<sup>1</sup>Maximum Developable Areas in Table 7 are shown here in square feet. Acres were converted to feet using a conversion factor of 43,560 sq ft to 1 ac.

<sup>2</sup>Build-Out Percentages are listed in Table 4.

<sup>3</sup>This number does not account for Non-Residential Mixed-Use Areas.

A conversion factor was calculated to quantify the population for non-residential areas. The Non-Residential Population was estimated using a conversion factor of 0.287 persons per 1,000 square feet of developable area shown in **Table 8**. The conversion factor was calculated using Annual Water Use volumes from the City's Monthly Water Use Reports (City-Wide: 2,020,380 GPD; Non-Residential: 634,713 GPD) and Build-Out Percentages from **Table 4**. Population projections are shown in **Table 9**. The maximum developable Non-Residential area (including Mixed-Use) used in the conversion factor is 76,000,657 square feet per the Comprehensive Plan.

See method of calculating conversion factor below:

$$(\% \text{ of Build-Out for 2017}) \times (\text{Maximum Developable Non-Residential Area}) = 2017 \text{ Developed Non-Residential Area}$$

$$(\text{Non-Residential Combined Commercial Water Use for 2017}) / (2017 \text{ Developed Non-Residential Area}) = \text{Non-Residential Use Rate in GPD/SQ FT}$$

$$(\text{City-Wide Combined Water Use for 2017}) / (2017 \text{ City Population}) = \text{Per Capita Use Rate in GPD/Persons}$$

$$(\text{Non-Residential Use Rate}) \times (\text{Per Capita Use Rate})^{-1} = \text{Conversion Factor in Persons/SQ FT}$$

See method of calculating Non-Residential Population projections below:

$$(\text{Build-Out Non-Residential Population}) \times (\text{Conversion Factor}) \times (\% \text{ of Build-Out for Year}) = \text{Population for Year}$$

<b>Table 9: FLUM Non-Residential Impacts - Functional Population Projections</b>				
Future Land Use Designation	Maximum Developable Area (SQ FT)	Total Population		
		2022 (40.4%) <sup>1</sup>	2027 (42.5%) <sup>1</sup>	Build-Out (100%) <sup>2</sup>
Commercial	8,015,040	931	978	2,303
Conservation	0	0	0	0
Government	0	0	0	0
Industrial	45,563,760	5,290	5,561	13,093
Institutional Professional	2,090,880	243	255	601
Open Space	0	0	0	0
<b>TOTALS</b>	<b>55,669,680<sup>3</sup></b>	<b>6,463</b>	<b>6,794</b>	<b>15,997</b>

<sup>1</sup>Build-out percentages from Table 4

<sup>2</sup>Based on a conversion factor of 0.287 persons per 1,000 square feet of non-residential area

<sup>3</sup>This number does not account for Non-Residential Mixed-Use Areas.

## Mixed-Use Population Projections

Mixed-Use Populations were calculated for each of the City's designated neighborhoods. Due to the inherent flexibility of the Mixed-Use designations, the Build-Out scenarios reported in this work plan are an attempt to reflect realistic development. Residential and non-residential land use densities for Mixed-Use totals can exceed 100%. For example, in The Island – Mixed-Use Downtown designation, there is a maximum of 50% allowable acreage for residential uses, concurrently identifying 80% allowable acreage for non-residential uses. The combined acreages total 130%. Private development will ultimately dictate the actual mix of uses within each of these districts but 100% is the true development capacity.

In this analysis, when the total densities for developable area or dwelling units exceeded 100%, the Mixed-Use land areas were calculated as follows: maximum percent area allowable was used for residential densities and the remaining percent area allowable was designated as non-residential. The actual ratio of

residential to non-residential for each year of analysis is indeterminable; however, assuming maximum residential development will account for the highest potential water demand in these areas. See summary of Mixed-Use projections in the **Table 14**.

### Residential Population

Residential Population for the Mixed-Use areas was determined by calculating maximum dwelling units from allowable acreages and applying an occupancy rate.

See formula for calculating maximum dwelling units and population at Build-Out below:

$$(\text{Gross Acreage}) \times (\% \text{ Area Allowable for Residential}) = \text{Acreage Allowable}$$

$$(\text{Acreage Allowable}) \times (\text{Maximum Allowable Density}) = \text{Maximum Dwelling Units}$$

$$(\text{Maximum Dwelling Units}) \times (\text{Occupancy Rate}) = \text{Population at Build-Out}$$

Table 10: FLUM Mixed-Use Residential Impacts - Maximum Dwelling Units						
Future Land Use Designation	Gross Acreage	% Area Allowable for Residential	Acreage Allowable	Maximum Allowable Density (DU/AC)	Maximum DUs	Total Population at Build-Out <sup>1</sup>
<b>The Island</b>						
Mixed Use Downtown	84	50%	42	18	756	1,323
Mixed Use Corridor	140	70%	98	13	1,274	2,230
<b>Gateway</b>						
Mixed Use Seaboard	67	35%	23	18	422	739
Mixed Use Corridor	13	75%	10	13	127	222
<b>East Venice</b>						
Mixed Use Residential	63	100%	63	5	315	551
<b>Pinebrook</b>						
Mixed Use Residential	1,267	100%	1,267	5	6,335	11,086
<b>Laurel Road Corridor</b>						
Mixed Use Corridor	299	25%	75	13	972	1,701
<b>Northeast Venice</b>						
Mixed Use Residential	2,579	100%	2,579	5	12,895	22,566
<b>Knights Trail</b>						
Mixed Use Corridor	169	50%	85	13	1,099	1,922
<b>TOTALS</b>	<b>4,681</b>		<b>4,242</b>		<b>24,195</b>	<b>42,340</b>

<sup>1</sup>Based on an occupancy rate of 1.75 persons/DU

Existing (2017) dwelling unit information for each neighborhood is available in the Comprehensive Plan and is summarized in the following table. Existing dwelling units and the City occupancy rate were used to determine the existing (2017) Mixed-Use Residential Population within each neighborhood. Growth rates calculated from BEBR data in **Table 4** were applied to the existing population for more realistic population projections. See Mixed-Use Residential Population Projections in **Table 11**.

See sample calculation for Growth Rate below:

$$(\text{2022 County Population} - \text{2017 County Population}) / (\text{2017 County Population}) = \% \text{ Rate of Growth over 5-Year Period}$$

See formula for Residential Population Projections below:

$$(2017 \text{ Mixed-Use Dwelling Units}) \times (\text{Occupancy Rate}) \times (1 + \% \text{ Rate of Growth over 5-Year Period}) = \text{Mixed-Use Residential Population for Year}$$

Table 11: FLUM Mixed-Use Residential Impacts - Functional Population Projections					
Future Land Use Designation	2017 Existing DUs	2017 Population <sup>1</sup>	Total Population <sup>1</sup>		
			2022 (5.35%) <sup>2</sup>	2027 (4.88%) <sup>3</sup>	Build-Out <sup>4</sup>
The Island					
Mixed Use Downtown	513	898	946	992	1,323
Mixed Use Corridor	1,109	1,941	2,045	2,144	2,230
SUBTOTAL	1,622	2,839	2,990	3,136	3,553
Gateway					
Mixed Use Seaboard <sup>5</sup>	UNKNOWN	UNKNOWN	298	314	739
Mixed Use Corridor <sup>5</sup>	UNKNOWN	UNKNOWN	90	94	222
SUBTOTAL	UNKNOWN	UNKNOWN	388	408	960
East Venice					
Mixed Use Residential <sup>6</sup>	388	679	679	679	551
Pinebrook					
Mixed Use Residential	4,424	7,742	8,157	8,554	11,086
Laurel Road Corridor					
Mixed Use Corridor	17	30	31	33	1,701
Northeast Venice					
Mixed Use Residential	1,403	2,455	2,587	2,713	22,566
Knights Trail					
Mixed Use Corridor	3	5	6	6	1,922
TOTALS	7,857	13,750	14,838	15,529	42,340

<sup>1</sup>Based on an occupancy rate of 1.75 persons/DU

<sup>2</sup>Calculated from the BEBR percent change in growth in Sarasota County from year 2017 to 2022.

<sup>3</sup>Calculated from the BEBR percent change in growth in Sarasota County from year 2022 to 2027.

<sup>4</sup>Build-Out Population from Table 10

<sup>5</sup>Where existing dwelling unit information was not available, percentages of Build-Out from Table 4 were applied to the Build-Out Population

<sup>6</sup>Build-Out Population for East Venice Mixed-Residential Land Use is less than the 2017 Population because of recently revised densities listed in the Comprehensive Plan. Existing Population is estimated to be 679 persons.

### Non-Residential Population

Maximum developable areas per land-use type were determined from allowable acreages and floor to area ratios (FARs). Maximum developable areas are listed in **Table 12** below. These were used to determine population at Build-Out.

See formula used for determining maximum developable area below:

$$(\text{Gross Acreage}) \times (\% \text{ Allowable for Non-Residential}) = \text{Acreage Allowable}$$

$$(\text{Acreage Allowable}) \times (\text{Floor Area Ratio}) = \text{Maximum Developable Area}$$

$$(\text{Maximum Developable Area}) \times (\text{Conversion Factor}) = \text{Population at Build-Out}$$

**Table 12: FLUM Mixed-Use Non-Residential Impacts - Maximum Developable Area**

Future Land Use Designation	Gross Acreage	% Allowable for Non-Residential	Floor Area Ratio	Acreage Allowable	Maximum Developable Area (SQ FT)
<b>The Island</b>					
Mixed Use Downtown	84	50%	0.65	27	1,189,188
Mixed Use Corridor	140	30%	0.5	21	914,760
Mixed Use Airport	127	100%	0.35	44	1,936,242
SUBTOTAL	351			92	4,040,190
<b>Gateway</b>					
Mixed Use Seaboard	67	65%	0.75	33	1,422,779
Mixed Use Corridor	13	25%	0.5	2	70,785
SUBTOTAL	80			35	1,493,564
<b>East Venice</b>					
Mixed Use Residential	63	0%	0.4	0	0
<b>Pinebrook</b>					
Mixed Use Residential	1,267	0%	0.4	0	0
<b>Laurel Road Corridor</b>					
Mixed Use Corridor	299	75%	0.5	112	4,884,165
<b>Northeast Venice</b>					
Mixed Use Residential	2,579	0%	0.4	0	0
<b>Knights Trail</b>					
Mixed Use Corridor	169	50%	0.5	42	1,840,410
<b>TOTALS</b>	<b>4,808</b>			<b>711</b>	<b>12,258,329</b>

Existing (2017) developed area for each neighborhood is available in the Comprehensive Plan. Growth rates calculated from BEBR data in **Table 4** were applied to the existing developed area to achieve more realistic population projections. The same conversion factor of 0.287 persons per 1,000 square feet of developed area used in City Non-Residential Population Projections was applied. See Non-Residential Population Projections in **Table 13**.

See calculation for Non-Residential Population Projections below.

$$(2017 \text{ Developed Mixed-Use Area}) \times (\text{Conversion Factor}) \times (1 + \% \text{ Rate of Growth over 5-Year Period}) = \text{Mixed-Use Residential Population for Year}$$

**Table 13: FLUM Mixed-Use Non-Residential Impacts - Functional Population Projections**

Future Land Use Designation	Maximum Developable Area (SQ FT) <sup>1</sup>	Existing Developed Area	Existing Population from Area	Total Population		
				2022 (5.35%) <sup>2</sup>	2027 (4.88%) <sup>3</sup>	Build-Out <sup>4</sup>
The Island						
Mixed Use Downtown	1,189,188	903,950	260	274	287	342
Mixed Use Corridor	914,760	1,453,614	418	440	462	263
Mixed Use Airport	1,936,242	104,887	30	32	33	556
SUBTOTAL	4,040,190	2,462,451	708	746	782	1,161

Table 13: FLUM Mixed-Use Non-Residential Impacts - Functional Population Projections – Cont'd						
Future Land Use Designation	Maximum Developable Area (SQ FT) <sup>1</sup>	Existing Developed Area	Existing Population from Area	Total Population		
				2022 (5.35%) <sup>2</sup>	2027 (4.88%) <sup>3</sup>	Build-Out <sup>4</sup>
Gateway						
Mixed Use Seaboard	1,422,779	882,195	254	267	280	409
Mixed Use Corridor	70,785	23,825	7	7	8	20
SUBTOTAL	1,493,564	906,020	261	274	288	429
East Venice						
Mixed Use Residential	0	28,517	8	9	9	0
Pinebrook						
Mixed Use Residential	0	82,640	24	25	26	0
Laurel Road Corridor						
Mixed Use Corridor	4,884,165	132,251	38	40	42	1,403
Northeast Venice						
Mixed Use Residential	0	26,939	8	8	9	0
Knights Trail						
Mixed Use Corridor <sup>5</sup>	1,840,410	UNKNOWN	UNKNOWN	342	359	529
TOTALS	12,258,329	3,638,818	1,046	1,443	1,515	3,952

<sup>1</sup>Maximum Developed Area are from Table 12

<sup>2</sup>Calculated from the BEBR percent change in growth in Sarasota County from year 2017 to 2022.

<sup>3</sup>Calculated from the BEBR percent change in growth in Sarasota County from year 2022 to 2027.

<sup>4</sup>Build-Out Population was calculated from Maximum Developable Area using a conversion factor of 0.287 persons per 1,000 square feet of area

<sup>5</sup>Where Existing Developed Area information was not available, percentages of Build-Out from Table 4 were applied to the Build-Out Population

### Combined Mixed-Use Population

Residential and Non-Residential Build-Out Populations were combined to determine an ultimate Build-Out population for the Mixed-Use areas. See **Table 14** below for a summary.

Table 14: FLUM Mixed-Use Combined Impacts - Functional Population Projections									
Name	2022			2027			Build-Out		
	Res <sup>1</sup>	Non-Res <sup>2</sup>	Total	Res <sup>1</sup>	Non-Res <sup>2</sup>	Total	Res <sup>1</sup>	Non-Res <sup>2</sup>	Total
The Island	2,990	745	3,736	3,136	782	3,918	3,553	1,161	4,713
Gateway	388	274	662	408	288	696	960	429	1,390
East Venice	679	9	688	679	9	688	551	0	551
Pinebrook	8,157	25	8,182	8,554	26	8,580	11,086	0	11,086
Laurel Road Corridor	31	40	71	33	42	75	1,701	1,403	3,104
Northeast Venice	2,587	8	2,595	2,713	9	2,721	22,566	0	22,566
Knights Trail	6	342	347	6	359	365	1,922	529	2,451
<b>TOTALS</b>	<b>14,838</b>	<b>1,443</b>	<b>16,281</b>	<b>15,529</b>	<b>1,515</b>	<b>17,044</b>	<b>42,340</b>	<b>3,522</b>	<b>45,862</b>

<sup>1</sup>Residential Populations are listed in Table 11

<sup>2</sup>Non-Residential populations are listed in Table 13



## Residential and Non-Residential Projections for the JPA/ILSBA

The City and County have entered into a Joint Planning and Interlocal Service Boundary Agreement (JPA/ILSBA or JPA) which guides development within certain areas adjacent to the City. Per language in the Agreement, the City is responsible for supplying water to certain areas within the JPA listed. Population projections for the JPA were established using data from the Comprehensive Plan, City GIS, and the US Census Bureau. Residential and Non-Residential Population Projections for the JPAs are listed below.

Please note the Laurel Road Mixed Use Area, per Amendment No. 3 to the JPA/ILSBA, is served by Sarasota County and has been removed from the projections in the subsequent sections.

### Residential Population

The number of maximum dwelling units was calculated for each JPA to determine Residential Build-Out Population. Results of the calculations are provided in **Table 15**.

See formula used for determining maximum dwelling units and Population at Build-Out below:

$$(Gross\ Acreage) \times (Maximum\ Allowable\ Density) = Maximum\ Dwelling\ Units$$

$$(Maximum\ Dwelling\ Units) \times (Occupancy\ Rate) = Population\ at\ Build-Out$$

Table 15: JPA/ILSBA Residential Impacts - Build-Out Population					
JPA	Name	Gross Acreage per Sub-Area	Maximum Allowable Density (DU/Gross AC)	Maximum DUs	Total Population at Build-Out <sup>1</sup>
1	Knights Trail	584	9.0	5,256	9,198
		124	5.0	620	1,085
2a	Auburn Road to I-75	176	3.0	528	924
2b	I-75 / Jacaranda Boulevard	105	1.9	200	349
		29	13.0	377	660
		41	18.0	738	1,292
3	Border Rd to Myakka River	629	3.0	1,887	3,302
4	South Venice Avenue	239	3.0	717	1,255
6	Pinebrook Road	232	3.0	696	1,218
7	Auburn Road	25	5.0	125	219
8	Gulf Coast Boulevard	33	3.5	116	202
19	SJT Venice Parcel	69.5	5.0	348	608
<b>TOTALS</b>		<b>2,286.5</b>		<b>11,608</b>	<b>20,312</b>

<sup>1</sup>Based on an occupancy rate of 1.75 persons/DU

Using the same methodology to calculate the Residential Population in the JPAs as in the City's service area would have resulted in a gross overestimate of existing and projected water demand. Growth rates calculated from BEBR data in **Table 4** were applied to the 2017 Residential JPA Population to more accurately reflect population growth. Residential JPA Population projections are shown in **Table 16**.

See sample calculation for Residential JPA Population projections below:

$$(2022\ County\ Population - 2017\ County\ Population) / (2017\ County\ Population) = \% \text{ Rate of Growth over 5-Year Period}$$

$$(2017\ JPA\ Residential\ Population) \times (1 + \% \text{ Rate of Growth over 5-Year Period}) = JPA\ Residential\ Population\ for\ Year\ 2022$$

Table 16: JPA/ILSBA Residential Impacts - Population Projections					
JPA	Name	Total Population			
		2017 (Existing) <sup>1</sup>	2022 (5.35%) <sup>2</sup>	2027 (4.88%) <sup>3</sup>	Build-Out <sup>4</sup>
1	Knights Trail	54	57	60	9,198
		0	0	0	1,085
2a	Auburn Road to I-75	33	35	37	924
2b	I-75 / Jacaranda Boulevard	44	46	48	349
		12	13	14	660
		21	22	23	1,292
3	Border Rd to Myakka River	54	57	60	3,302
4	South Venice Avenue	245	258	271	1,255
6	Pinebrook Road	87	92	96	1,218
7	Auburn Road	4	4	4	219
8	Gulf Coast Boulevard	205	216	227	202
19	SJT Venice Parcel	7	7	7	608
<b>TOTALS</b>		<b>766</b>	<b>807</b>	<b>847</b>	<b>20,312</b>

<sup>1</sup>Determined from City GIS and US Census Bureau data

<sup>2</sup>Calculated from the BEBR percent change in growth in Sarasota County from year 2017 to 2022.

<sup>3</sup>Calculated from the BEBR percent change in growth in Sarasota County from year 2022 to 2027.

<sup>4</sup>Build-out population from Table 15

### Non-Residential Population

The maximum developable area for non-residential uses was calculated for each JPA, then converted to an equivalent number of dwelling units to determine Build-Out population. Factors for converting developable area to DUs are provided in the Comprehensive plan and are listed alongside projections for maximum dwelling units in **Table 17**.

See method of calculating Maximum Dwelling Units below:

$$[(\text{Gross Acreage}) \times (\% \text{ Allowable for Non-Residential})] - (\text{Conservation Area}) = \text{Net Developable Acreage}$$

$$(\text{Net Developable Acreage}) \times (\text{Floor Area Ratio}) \times 43,560 \text{ AC/SQ FT} = \text{Maximum Developable Area}$$

$$(\text{Maximum Developable Area}) \times (\text{Conversion Factor}) = \text{Maximum Dwelling Units}$$

See method of calculating Non-Residential Population Projections below:

$$(\text{Maximum Dwelling Units}) \times (\text{Occupancy Rate}) \times (\text{Build-Out \% for Year}) = \text{Non-Residential Population for Year}$$

Percentage of Build-Out for the JPA differs from percentage of Build-Out within City limits. For Non-Residential Population Projections within the JPA, percentage of Build-Out was calculated using Functional Population Projections and Build-Out Population provided in **Table 16**. A summary of Non-Residential Population Projections is provided in **Table 18**. For example, percent growth for the year 2022 was determined by finding the difference between the Build-Out Population and the 2022 Residential Population projection and dividing by the Build-Out Population.

See **Table 19** for the summary of the population projections for the Residential and Non-Residential JPAs.

Table 17: JPA/ILSBA Non-Residential Impacts - Maximum Dwelling Units									
JPA	Name	Gross Acreage	% Allowable for Non-Residential	Conservation Area (AC)	Net Developable Area (AC)	Floor Area Ratio	Maximum Developable Area (SF)	Conversion Factor (DU/SF)	Maximum DUs
1	Knights Trail	708	50%	34	320	2	27,860,976	1/2000	13,930
2a	Auburn Road to I-75	176	10%	7	10	0.25	111,078	1/4000	28
2b	I-75 / Jacaranda Boulevard	175	10%	5	13	2	1,123,848	1/2000	562
3	Border Road to Myakka River	629	5%	0	31	0.25	342,491	1/4000	86
4	South Venice Avenue	239	33%	0	79	1.5	5,153,366	1/2000	2,577
6	Pinebrook Road	232	0%	11	0	0	0	0	0
7	Auburn Road	25	0%	3	0	0	0	0	0
8	Gulf Coast Boulevard	33	0%	0	0	0	0	0	0
19	SJT Venice Parcel	69.5	50%	0	35	0.1	151,371	1/2000	76
<b>TOTALS</b>							<b>34,743,129</b>		<b>17,259</b>

Table 18: JPA/ILSBA Non-Residential Impacts - Population Projections					
JPA/ILSBA	Name	Maximum Dwelling Units	Total Population		
			2022 (3.97%) <sup>2</sup>	2027 (4.17%) <sup>2</sup>	Build-Out (100%) <sup>1</sup>
1	Knights Trail	13,930	969	1,017	24,378
2a	Auburn Road to I-75	28	2	2	49
2b	I-75 / Jacaranda Boulevard	562	39	41	983
3	Border Road to Myakka River	86	6	6	150
4	South Venice Avenue	2,577	179	188	4,509
6	Pinebrook Road	0	0	0	0
7	Auburn Road	0	0	0	0
8	Gulf Coast Boulevard	0	0	0	0
19	SJT Venice Parcel	76	5	6	132
<b>TOTALS</b>		<b>17,258</b>	<b>1,200</b>	<b>1,259</b>	<b>30,202</b>

<sup>1</sup>Based on an occupancy rate of 1.75 persons/DU

<sup>2</sup>Build-out percentage calculated from Residential Population Projections and Build-Out Population in Table 16

**Table 19: JPA/ILSBA Combined Impacts - Functional Population**

JPA	Name	2022			2027			Build-Out		
		Res <sup>1</sup>	Non-Res <sup>2</sup>	Total	Res <sup>1</sup>	Non-Res <sup>2</sup>	Total	Res <sup>1</sup>	Non-Res <sup>2</sup>	Total
1	Knights Trail	57	969	1,026	60	1,017	1,077	10,283	24,378	34,661
2a	Auburn Road to I-75	35	2	37	37	2	39	924	49	973
2b	I-75 / Jacaranda Boulevard	81	39	120	85	41	126	2,300	983	3,284
3	Border Rd to Myakka River	57	6	63	60	6	66	3,302	150	3,452
4	South Venice Avenue	258	179	437	271	188	459	1,255	4,509	5,764
6	Pinebrook Road	92	0	92	96	0	96	1,218	0	1,218
7	Auburn Road	4	0	4	4	0	4	219	0	219
8	Gulf Coast Boulevard	216	0	216	227	0	227	202	0	202
19	Knights Trail	7	5	12	7	6	13	608	132	741
<b>TOTALS</b>		<b>807</b>	<b>1,200</b>	<b>2,007</b>	<b>847</b>	<b>1,259</b>	<b>2,106</b>	<b>20,311</b>	<b>30,202</b>	<b>50,513</b>

<sup>1</sup>Residential Population Projections are available in Table 16

<sup>2</sup>Non-Residential Population Projections are available in Table 18

### Combined Population Projections

See **Table 20** below for a summary of Populations Projections for the following areas and land-use types: City Residential and Non-Residential Populations, City Mixed-Use Area Populations, and JPA/ILSBA Populations.

**Table 20: FLUM and JPA/ILSBA Combined Functional Population Projections**

Scenario	2022	2027	2032	2037	Build-Out
City Future Land Use Map <sup>1</sup>					
Residential	11,009	11,574	12,035	12,406	27,249
Non-Residential	6,463	6,794	7,065	7,283	15,997
<b>SUBTOTAL</b>	<b>17,473</b>	<b>18,368</b>	<b>19,100</b>	<b>19,689</b>	<b>43,246</b>
City Mixed-Use Areas <sup>2</sup>					
The Island	3,736	3,918	4,068	4,190	4,713
Gateway	662	696	723	745	1,390
East Venice	688	688	688	689	551
Pinebrook	8,182	8,580	8,909	9,176	11,086
Laurel Road Corridor	71	75	78	80	3,104
Northeast Venice	2,595	2,721	2,826	2,910	22,566
Knights Trail	347	365	380	391	2,451
<b>SUBTOTAL</b>	<b>16,281</b>	<b>17,044</b>	<b>17,672</b>	<b>18,181</b>	<b>45,862</b>
JPA/ILSBA Areas <sup>3</sup>					
Residential	807	847	879	904	20,311
Non-Residential	1,200	1,259	1,307	1,344	30,202
<b>SUBTOTAL</b>	<b>2,007</b>	<b>2,106</b>	<b>2,186</b>	<b>2,248</b>	<b>50,513</b>
<b>POPULATION TOTAL</b>	<b>35,761</b>	<b>37,518</b>	<b>38,959</b>	<b>40,117</b>	<b>144,992</b>

<sup>1</sup>Residential and Non-Residential Population Projections are available in Table 6 and Table 9, respectively

<sup>2</sup>Mixed-Use Area Population projections are available in Table 14

<sup>3</sup>JPA/ILSBA Area Population projections are available in Table 19

## Potable Water Projections

The Comprehensive Plan establishes a level of service (LOS) of 90 GPD per capita for average annual flow and 135 GPD per capita for max day demands. A 5-year average, per capita use rate of 83 GPD was calculated, confirming the LOS established in the Comprehensive Plan is sufficient to serve the City. It is important to note that the City is currently updating the Water Master Plan which will also confirm the LOS.

To reflect actual water use, 83 GPD per capita was used in the following potable water projections and a 1.5 peaking factor was used for max day demands. **Table 21** shows the average and max day potable water demands for the City Residential, Non-Residential, and Mixed-Use properties and for the JPA/ILSBA areas.

Table 21: Potable Water Projections (GPD)					
Scenario	2022	2027	2032	2037	Build-out
<b>CITY FUTURE LAND USE MAP</b>					
Residential	913,780	960,610	998,911	1,029,674	2,261,688
Non-Residential	536,444	563,936	586,421	604,481	1,327,748
<b>SUBTOTAL</b>	<b>1,450,224</b>	<b>1,524,546</b>	<b>1,585,332</b>	<b>1,634,156</b>	<b>3,589,436</b>
<b>MIXED USE</b>					
The Island	310,085	325,201	337,670	347,759	391,218
Gateway	54,975	57,736	60,001	61,826	115,343
East Venice	57,074	57,108	57,137	57,161	45,754
Pinebrook	679,067	712,172	739,479	761,572	920,159
Laurel Road Corridor	5,925	6,213	6,452	6,644	257,636
Northeast Venice	215,374	225,873	234,534	241,541	1,872,999
Knights Trail	28,834	30,311	31,519	32,489	203,452
<b>SUBTOTAL</b>	<b>1,351,333</b>	<b>1,414,615</b>	<b>1,466,792</b>	<b>1,508,992</b>	<b>3,806,560</b>
<b>JPA/ILSBA</b>					
Residential	66,981	70,301	72,957	75,032	1,685,844
Non-Residential	99,597	104,533	108,483	111,568	2,506,750
<b>SUBTOTAL</b>	<b>166,578</b>	<b>174,834</b>	<b>181,440</b>	<b>186,600</b>	<b>4,192,594</b>
<b>TOTAL AVERAGE DAY DEMAND</b>	<b>2,968,135</b>	<b>3,113,995</b>	<b>3,233,564</b>	<b>3,329,747</b>	<b>11,588,590</b>
<b>TOTAL MAX DAY DEMAND</b>	<b>4,452,202</b>	<b>4,670,993</b>	<b>4,850,346</b>	<b>4,994,621</b>	<b>17,382,884</b>

The City's SWFWMD Water Use Permit has an average day permitted capacity of 6.8 MGD and a permitted peak capacity of 8.2 MGD for combined withdrawals at the City's wellfields. In order to relate the finished water demands and the wellfield withdrawal, or raw water quantities, the following system of equations is used:

$$\text{Recovery Rate} \times \text{Raw Water} = \text{Permeate}$$

$$(\text{Recovery Rate} \times \text{Raw Water}) + (\text{Blending Ratio} \times \text{Permeate}) = \text{Finished Water}$$

Assuming a membrane recovery rate of 50 percent and a 6 percent blending of raw water, both the 2022 and the 2027 raw water withdrawals are within the WUP limits at 5.25 and 5.47 MGD, respectively. The peak month withdrawals for 2022 and 2027 also within the WUP with withdrawals of 7.87 and 8.20 MGD, respectively.

If the membrane recovery rate is increased to 60 percent, an increase which the City is planning for in the near future, both the 2022 and the 2027 raw water withdrawals are within the WUP limits at 4.37 and 4.56 MGD, respectively. The peak month withdrawals for 2022 and 2027 also within the WUP with withdrawals of 6.56 and 6.84 MGD, respectively. The build-out water use exceeds the permitted limits if the membrane recovery rate stays the same. The WUP will need to be modified to accommodate build-out conditions as withdrawals will exceed permitted levels due to increased demands.

The City of Venice enacted a Conservation Plan in 2007 to devise strategies that build upon the water conservations already in place and determine additional water conservation efforts. Prior to the Conservation Plan, the City participated in numerous conservation measures and has recognized the impact on the per capita usage since inception in the early 2000s.

**Low-Water/Drought-Resistant Landscaping:** As part of the conservation program, the City encourages use of low-water and drought resistant plants for residential and commercial development to reduce irrigation needs. The recommended plants are local to the Florida climate and can withstand the harsh environment without the need for supplemental water and fertilizers.

**Water Conservation Kits:** The City also advertises water conservation kits on their website. There are two kits: an indoor kit and an outdoor kit. The kits include low-flow fixtures, rain gauges, and informational brochures. The City also has a toilet rebate program. Customers can save money when they install a low-flow toilet.

**Leak Detection Program:** The City uses a customer leak detection program. The City's meter readers use a hand-held device that will set off an alarm if the consumption is higher than normal. The meter reader will investigate the cause of the alarm by checking the flow through the meter and attempt to contact the resident in person or leave a door hanger. In the event the flow through the meter is excessive, the meter reader will shut off the meter and contact the resident.

**Radio Frequency Meter Reading:** The City is currently in the process of replacing water meters with radio read meters. The City replaced approximately 20 percent of the meters as of February 2018. The City plans to replace approximately 4,000 more meters by June 2019.

**Water Loss Monitoring:** Per standard reporting and the WUP conditions, the SWFWMD requires the City to report water loss in an annual water loss audit report. Based on the water billing data for 2017 and the Monthly Operating Reports for 2017, the City has an average of less than 10 percent water loss. The City continues to monitor water loss and rapidly repairs leaks and breaks.

**Inclining Rate Structure:** The City has enacted an ordinance for an inclining conservation rate structure for potable water. The inclining rate structures provides customers with an incentive to conserve by charging more for higher volumes of water used. The rationale for this rate structure is to reduce water use on a permanent basis.

**Expansion of Reuse Infrastructure:** The City has constructed reclaimed infrastructure from the Eastside Wastewater Treatment Plant to the island in an effort to provide reclaim to City residents and reduce potable water demands. The City also has two reclaimed transmission lines running east and north through the City for future reclaimed users. Based on the 2017 discharge monitoring reports, the City provided 970 million gallons of reuse water to thousands of residential customers, 5 golf courses, and one sport complex. According to the 2017 DMR data, 89.5 percent of the available reuse water is beneficially used throughout the city. **Appendix D** shows the reclaimed distribution system. The City continues to expand the reclaim water system to new developments.



## CAPITAL IMPROVEMENTS

The City established long-term strategies for water supply and distribution in the Water Master Plan dated August 2013, which provided a vision for future water supply. A list of potential projects was created in accordance with the City's Master Plan to promote the Utility's vision. **Table 22** summarizes the City's current 5-year CIP for the potable water system. The full CIP is included in **Appendix E**.

Project Title	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Aquifer Storage and Recovery Well	-	-	600,000	4,400,000	-	5,000,000
Booster Station (New) – Ajax Property	6,700,000	-	-	-	-	6,700,000
Cast Iron Water Main Replacement	1,800,000	-	-	-	-	1,800,000
CO2 Bulk Tank Replacement	175,000	-	-	-	-	175,000
Corrosion Inhibitor Bulk Tank Replacement	-	-	30,000	-	-	30,000
Eastgate Utilities Relocation-Phase 2	3,500,000	-	-	-	-	3,500,000
Eastgate Utilities Relocation-Phase 3	350,000	3,000,000	-	-	-	3,350,000
Fire Hydrant Replacement Program	75,000	75,000	75,000	75,000	75,000	375,000
Meter (Large) Change Out Program	252,500	255,025	257,575	260,150	260,150	1,285,400
Meter (Small) Change Out Program	775,000	820,000	575,000	105,000	100,000	2,375,000
Outfall Composite, Sampler	-	7,750	-	-	-	7,750
Phase II RO CIP System	-	120,000	-	-	-	120,000
Potable Water Valve Replacement	225,000	225,000	225,000	225,000	225,000	1,125,000
RO Membrane Replacement	-	-	1,500,000	-	-	1,500,000
Sodium Hypochlorite Tank Replacement	300,000	-	-	-	-	300,000
US 41 ByPass Relocations – Gulf Coast	305,000	-	-	-	-	305,000
Water Main Replacement Program	2,250,000	2,500,000	-	-	-	4,750,000
Water Service Line Replacement	375,000	75,000	75,000	75,000	75,000	675,000
Well Replacement	-	100,000	1,500,000	-	-	1,600,000
WTP Day Tank Building Upgrade	60,000	-	-	-	-	60,000
WTP Equipment Improvements	150,000	150,000	150,000	150,000	150,000	750,000
WTP Generator Replacement	350,000	-	-	-	-	350,000
WTP Second Stage Membrane Addition	-	300,000	3,000,000	-	-	3,300,000

## GOALS, OBJECTIVES AND POLICIES

The Comprehensive Plan replaced the traditional form of Goals, Objectives, and Policies with Vision, Intent, and Strategies. A Vision is identified as a broad-based goal of the City. An Intent is what the City hopes to achieve and Strategies are how the City envisions achieving the Vision.

Listed below is a list of Visions, Intents, and Strategies that address the potable water supply and facilities, conservation and reuse programs, and implementation of the required 10-year Water Supply Work Plan. These and other visions, intents, and strategies can be found within the City's Comprehensive Plan Amendment published on January 12, 2018.

### Land Use

#### **Strategy LU 1.2.7.b - Conservation:**

Identifies those areas including but not limited to protected open spaces (wetland, wetland buffers, coastal and riverine habitats), preserves, native habitats including those of endangered or threatened species or species of special concern, wildlife corridors; natural lands owned and managed by the City, Sarasota County, State (i.e., FDEP, SWFWMD) or Federal Agency that do not qualify as Open Space (Functional) defined above; watercourses, other surface waters, aquifer recharge areas, or other areas as identified within the Open Space Element of this Plan.

#### **Strategy LU 1.3.5 – Natural Features**

The City shall respect natural features through design that recognize the natural and environmental features of the area and incorporates the protection, preservation, and enhancement of these features as a resource to the neighborhood as a whole.

#### **Strategy LU 1.3.6 – Coordination with Public Infrastructure**

The City shall ensure that future development practices are sustainable and pay for the impact they cause; provide for the needs of current and future populations; coordinate with the City infrastructure systems and public services; and protect natural habitats and species.

#### **Strategy LU 1.3.8 – Co-Location of Facilities**

The City shall promote the co-location of parks, schools, and other community facilities to support community interaction, enhance neighborhood identity, and leverage limited resources.

### Open Space

#### **Intent OS 1.3 – Wetlands**

The City shall implement strategies to protect its wetlands, wetland buffers, and aquifer recharge areas.

#### **Strategy OS 1.3.1 – Wetland and Aquifer Recharge Areas Protection**

The City shall protect its groundwater sources, particularly in wetland and aquifer recharge areas, through its Land Development Code and review processes by:

1. Establishing site plan requirements to ensure developments evaluate natural drainage features, man-made drainage structures, and impact to wetland and aquifer recharge areas.



2. Requiring development to first avoid impact to wetlands and aquifer recharge areas
3. Requiring development to minimize impacts to wetlands and aquifer recharge areas when impacts to wetlands and aquifer recharge areas are unavoidable.
4. Limiting activities/uses that are known to adversely impact such areas
5. Restoring/mitigating wetlands in connection with new development
6. Maintaining the natural flow of water within and through contiguous wetlands and water bodies
7. Maintaining existing vegetation to serve as buffers to protect the function and values of the wetlands from the adverse impacts of adjacent development.
8. Requiring any wetland mitigation be based upon the most current state-approved methodology
9. Prohibiting the dredging, filling, or disturbing of wetlands and wetland habitats in any manner that diminishes their natural functions, unless appropriate mitigation practices are established in coordination with and approved by local, regional, state, and federal agencies.
10. Coordinating with Sarasota County, Federal, and State review agencies on wetland designation, mitigation policies, and regulations.

#### **Strategy OS 1.4.2 - Protection of Native Habitats and Natural Resources**

The City shall protect significant native habitats through its Land Development Code and review process including the following:

1. Preserve existing native vegetation and natural areas including threatened native habitats
2. Encourage development forms that provide protection of significant native habitats such as clustered development and alternative roadway designs (i.e., reduced rights-of-way)
3. Development shall first avoid impact to significant native habitats
4. Mitigate adverse impacts whenever areas of native habitats are involved in the development of property
5. Require development to first impact lower quality habitats and resources before impacts to higher quality habitats and resources are considered and used
6. Native habitat shall be used whenever possible to fulfill open space requirements
7. Protect environmentally sensitive/significant areas (i.e., floodplain, watersheds, water recharge areas, etc).

#### **Strategy OS 1.12.9 - Emergency Water Conservation**

The City shall continue to implement emergency water conservation practices in accordance with the SWFWMD. Such directives include the implementation of water management plans and emergency conservation.

### **Infrastructure**

#### **Intent IN 1.2 – Utility Services and Development Coordination**

The City shall ensure that utility service expansion is coordinated with development to ensure capacity adequate to serve projected future growth

#### **Strategy IN 1.2.1 – Utility Services – Defined**

The City's utility services include potable water, reclaimed water, wastewater, stormwater management, and solid waste. Utility services may be provided by the City of Venice, Sarasota County, or the combination of both.

**Strategy IN 1.2.2 – Maintenance of Facilities**

The City shall rehabilitate and maintain in good condition existing public utility facilities to accommodate infill and to allow for the most efficient use of existing infrastructure.

**Strategy IN 1.2.3 – Development Expansions**

The City shall require through the Land Development Code and development review processes connection and maintenance to City utility services in accordance with the following criteria:

1. Size of development, types of structures, and land uses
2. Proximity and location (Coastal High Hazard Area) to existing infrastructure
3. Available capacity
4. Demand of future development projects
5. Consistency with applicable master plans (i.e., stormwater master plan, water supply plan)
6. Development agreements such and the JPA/ILSBA that may be in effect
7. Coordination with private utility services such as cable, power, and telecommunications
8. Annexation

**Strategy IN 1.2.4 – Water and Sanitary Sewer Installation**

The City shall require that water and sanitary sewer lines installed by property owners are constructed along the entire adjacent right-of-way or through the entire property as appropriate to permit further extension to adjacent properties.

**Strategy IN 1.2.5 – Infrastructure Utilization**

The City shall maximize existing public utility infrastructure systems by encouraging infill development and redevelopment of established service areas.

**Strategy IN 1.2.6 – Utility Master Plans**

The City shall update or develop utility master plans based on an overall infrastructure prioritization schedule to ensure consistency with partner agency plans and reflect best industry practices. The City's utility master plans shall include the following and be updated according to Florida Statutes:

1. Water Supply Master Plan
2. Wastewater and Reclaimed Water Master Plan

The City should pursue the development of a Stormwater Master Plan

**Strategy IN 1.2.7 – Utility Inventory**

In conjunction with the development of the utility master plans, the City shall develop and maintain stormwater, reclaimed water, potable water, and wastewater service inventories to identify and address potential deficiencies in capacity. The City may use this information in the development of the annual Capital Improvements Plan and implementing Capital Improvements Schedule (CIS). The inventory shall include:

1. Current capacity
2. Existing usage
3. All future committed capacity based upon approved site development plans
4. Potential service area needs

**Intent IN 1.3 – Level of Service**

The City shall maintain an adequate level of service (LOS) or each of the City's public infrastructure.

**Strategy IN 1.3.1 – Level of Service Standard**

The City shall ensure that the City's utilities and appropriate public infrastructure are properly maintained by meeting the following levels of service concurrently with development:

1. **Potable Water** – 90 gallons per capita per day based on average annual flow and a peak maximum day flow of 135 per capita per day.

**Strategy IN 1.3.2 – Concurrency Management LOS Evaluations**

The City shall continue to utilize the Concurrency Management System as provided within the City of Venice Land Development Code, to ensure all proposed developments meet adopted LOS standards, as permitted by Florida Statutes, prior to the issuance of a development order or certificate of concurrency.

**Intent IN 1.4 – Natural Resources Impact**

The City shall ensure that its utilities infrastructure system do not adversely impact its natural resources.

**Strategy IN 1.4.1 – Environmental Considerations**

The City shall protect the environment by providing public utility services that:

1. Maximize existing facilities prior to developing new infrastructure systems
2. Contain wastewater facilities during a storm event
3. Minimize stormwater system overflow during storm events and reduce water quality impacts to receiving waters, with particular attention to mitigating direct runoff and outfall into the Gulf of Mexico through innovative control technology.
4. Identify and protect natural water sources and environmentally sensitive land areas.
5. Coordinate water quality monitoring, waste disposal, and stormwater management practices with partner entities.
6. Provide periodic inspection and monitoring of facilities.

**Strategy IN 1.4.2 – Wellhead Protection Areas**

All areas within a 500 ft radial setback from a surface or subsurface potable water well shall be designated as wellhead protection areas. The following uses will not be permitted within the wellhead protection areas:

1. Treatment, storage, disposal, and transfer facilities for hazardous wastes
2. Chemical and hazardous material storage tanks
3. Industrial wastewater
4. Reuse water applications
5. New class I and class III injection control wells

**Strategy IN 1.4.3 – Water Quality System Evaluation**

The City shall continually evaluate and, if appropriate, enact alternative water quality standards for the design, construction, and maintenance of water infrastructure systems. This evaluation shall review the following:

1. Non-structural storm water management system designs
2. Littoral zone vegetation requirements
3. Vegetation removal and management standards
4. System designs that conserve uplands and population of listed species

**Strategy IN 1.4.4 – Water Resource Partnerships**

The City shall partner with the Southwest Florida Water Management District, Florida Department of Environmental Protection, and other local, regional, state, and federal water entities to protect the quality of natural ground water recharge areas, natural drainage features, and surface water bodies. Specific programs that require regional water coordination include, but not limited to:

1. Wellhead Protection Program
2. Potable Wells
3. 2015 Regional Water Supply Plan
4. Myakka River Comprehensive Watershed Management Plan
5. Myakka Wild and Scenic River Management Plan
6. Charlotte Harbor Surface Water Improvement and Management Plan
7. Watershed Management Program Plans

**Strategy IN 1.4.5 – Private Wells and Septic Systems**

The City shall require connection to the City utilities for all private wells and septic systems, upon service availability.

**Strategy IN 1.4.6 – Reclaimed Water Utilization**

The City shall utilize the Land Development Review Code and review process to encourage development projects to increase the need for reclaimed water capacity and to use reclaimed water for irrigation where supplies are available. Area that will be addressed include:

1. Golf courses
2. Public and private common areas and greenspace
3. Roadway medians
4. Landscaped areas in parks and other public properties
5. Residential irrigation in all new proposed development areas

**Strategy IN 1.4.7 – Potable Water Conservation**

The City shall maximize water efficiency by supporting FGBC and/or LEED criteria and SWFWMD programs such as the Water Conservation Hotel and Motel Program (Water CHAMP), the Water Program for Restaurant Outreach (Water Pro) and the Florida Water Star program.

**Strategy IN 1.4.8 – Water Shortage**

The City shall abide by SWFWMD's emergency water shortage plan, and when necessary, the City may implement more restrictive water conservation measures, as may be required to protect and maintain the potable water utility system.

#### **Strategy IN 1.4.9 – 10-Year Water Supply Facilities Work Plan**

The City will coordinate with SWFWMD and amend the Comprehensive Plan to incorporate any required updates to the 10-Year Water Supply Facilities Work Plan within eighteen months after an update to the Regional Water Supply Plan is approved by SWFWMD.

#### **Strategy IN 1.4.11 – Public Conservation Efforts**

The City shall utilize the City of Venice's Water Conservation Plan and other plans to encourage public conservation efforts by providing:

1. Public education efforts
  - a. Reducing, reusing, and recycling waste products
  - b. Utilizing energy saving and water efficient fixtures
  - c. Utilizing reclaimed wastewater for irrigation
  - d. Minimizing irrigation, fertilization, and pest control needs using native, drought tolerant, and Florida-friendly landscaping materials and planting techniques
  - e. Using products with recycled components and packaging
2. Water and energy conservation school presentations and contests
3. Recycling and water conservation programs
4. Public incentives for reducing, recycling, and reusing natural resources and waste products
5. Information on reducing waste and minimizing energy use
6. Incentives for water conservation



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# APPENDICES

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## APPENDIX A: Water Use Permit

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An Equal  
Opportunity  
Employer

# Southwest Florida Water Management District

**Bartow Service Office**  
170 Century Boulevard  
Bartow, Florida 33830-7700  
(863) 534-1448 or  
1-800-492-7862 (FL only)

**Sarasota Service Office**  
6750 Fruitville Road  
Sarasota, Florida 34240-9711  
(941) 377-3722 or  
1-800-320-3503 (FL only)

**Tampa Service Office**  
7601 Highway 301 North  
Tampa, Florida 33637-6759  
(813) 985-7481 or  
1-800-836-0797 (FL only)

2379 Broad Street, Brooksville, Florida 34604-6899

(352) 796-7211 or 1-800-423-1476 (FL only)

TDD only: 1-800-231-6103 (FL only)

On the Internet at [WaterMatters.org](http://WaterMatters.org)

October 27, 2015

City of Venice  
Attn: Tim Hochuli  
200 North Warfield Avenue  
Venice, FL 34292

Subject: **Notice of Intended Agency Action Letter - Approval**  
Letter Modification  
Water Use Permit No.: 20005393.010  
Project Name: City of Venice  
County: SARASOTA

Dear Permittee:

The Southwest Florida Water Management District (District) has completed its review of the application for Water Use Permit No. 20005393.010. Based upon a review of the information you have submitted, the District hereby gives notice of its intended approval of the application.

The File of Record associated with this application can be viewed at <http://www18.swfwmd.state.fl.us/search/search/searchwupsimple.aspx> and is also available for inspection Monday through Friday, except for District holidays, from 8:00 a.m. through 5:00 p.m. at the District's Tampa Service Office, 7601 U.S. Highway 301 North, Tampa, Florida 33637.

If you have any questions or concerns regarding your permit or any other information, please contact the Water Use Permit Bureau in the Tampa Service Office.

Sincerely,

Darrin Herbst  
Bureau Chief  
Water Use Permit Bureau  
Regulation Division

cc:



An Equal  
Opportunity  
Employer

# Southwest Florida Water Management District

**Bartow Service Office**  
170 Century Boulevard  
Bartow, Florida 33830-7700  
(863) 534-1448 or  
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On the Internet at [WaterMatters.org](http://WaterMatters.org)

October 27, 2015

City of Venice  
Attn: Tim Hochuli  
200 North Warfield Avenue  
Venice, FL 34292

Subject: **Notice of Agency Action - Approval**  
Letter Modification  
Water Use Permit No.: 20005393.010  
Project Name: City of Venice  
County: SARASOTA

Dear Permittee:

The Southwest Florida Water Management District (District) is in receipt of your application for Water Use Permit No. 20005393.010. Based upon a review of the information you submitted, the permit is approved. Please refer to the attached Notice of Rights to determine any legal rights you may have concerning the District's agency action on the petition described in this letter. The specific modifications are listed in Attachment A and are considered a part of your Water Use Permit.

The District's action in this matter only becomes closed to future legal challenges from members of the public if such persons have been properly notified of the District's action and no person objects to the District's action within the prescribed period of time following the notification. The District does not publish notices of agency action. If you wish to limit the time within which a person who does not receive actual written notice from the District may request an administrative hearing regarding this action, you are strongly encouraged to publish, at your own expense, a notice of agency action in the legal advertisement section of a newspaper of general circulation in the county or counties where the activity will occur. Publishing notice of agency action will close the window for filing a petition for hearing. Legal requirements and instructions for publishing notices of agency action, as well as a noticing form that can be used, are available from the District's website at [www.WaterMatters.org/permits/noticing](http://www.WaterMatters.org/permits/noticing). If you publish notice of agency action, a copy of the affidavit of publication provided by the newspaper should be sent to the District's Tampa Service Office for retention in this permit's File of Record.

Please be advised that the Governing Board has formulated a water shortage plan referenced in a Standard Water Use Permit Condition (Exhibit A) of your permit, and will implement such a plan during periods of water shortage. You will be notified during a declared water shortage of any change in the conditions of your Permit or any suspension of your Permit, or of any restrictions on your use of water for the duration of the declared water shortage. Please further note that water conservation is a condition of your Permit and should be practiced at all times.

If you have any questions or concerns regarding your permit or any other information, please contact the Water Use Permit Bureau in the Tampa Service Office.

Sincerely,

Darrin Herbst  
Bureau Chief  
Water Use Permit Bureau  
Regulation Division

Enclosures: Attachment A  
Notice of Rights  
[Previous Permit](#)  
Exhibit B

cc:



# LETTER MODIFICATION

## Water Use Permit No: 20005393.010

### Attachment A

#### **MODIFICATIONS**

The following constitutes modifications to the terms and conditions of Water Use Permit No. 20005393.010, effective October 27, 2015.

This letter modification adds a proposed well to the permit to replace a damaged well. District ID No. 51/ Permittee ID No RO-7 (DID-51) has been damaged beyond repair and will be plugged. A replacement well, District ID No. 80/Permittee ID No. RO-7AW (DID-80) will be constructed at Latitude 27° 5' 27.40" N, Longitude 82° 26' 3.96" W. Quantities previously assigned to DID-51 are reassigned to DID-80.

1. The quantities authorized by this permit remain unchanged: 6,864,000 gpd annual average and 8,240,000 gpd peak month.

2. The following Special Conditions have been added, modified, or deleted:

a. Special Condition No. 2 is modified as follows:

The average day and peak monthly quantities for **District ID Nos. 33 and 49, Permittee ID Nos. RO-2 and RO-2A**, shown in the production withdrawal table are estimates based on historic and/or projected distribution of pumpage, and are for water use inventory and impact analysis purposes only. The quantities listed for these individual sources are not intended to dictate the distribution of pumpage from permitted sources. The Permittee may make adjustments in pumpage distribution as necessary up to **604,800 gallons per day** on both an average basis and a peak monthly basis for the individual wells, so long as adverse environmental impacts do not result and the Permittee complies with all other conditions of this Permit.

The average day and peak monthly quantity for **District ID No. 34, Permittee ID No. RO-3**, shown in the production withdrawal table are estimates based on historic and/or projected distribution of pumpage, and are for water use inventory and impact analysis purposes only. The quantities listed for this individual source are not intended to dictate the distribution of pumpage from permitted sources. The Permittee may make adjustments in pumpage distribution as necessary up to **633,600 gallons per day** on both an average and a peak monthly basis, for the individual well, so long as adverse environmental impacts do not result and the Permittee complies with all other conditions of this Permit.

The average day and peak monthly quantity for **District ID No. 35, Permittee ID No. RO-4**, shown in the production withdrawal table are estimates based on historic and/or projected distribution of pumpage, and are for water use inventory and impact analysis purposes only. The quantities listed for this individual source are not intended to dictate the distribution of pumpage from permitted sources. The Permittee may make adjustments in pumpage distribution as necessary up to **648,000 gallons per day** on both an average and a peak monthly basis for the individual well, so long as adverse environmental impacts do not result and the Permittee complies with all other conditions of this Permit.

The average day and peak monthly quantity for **District ID No. 52, Permittee ID No. RO-1E**, shown in the production withdrawal table are estimates based on historic and/or projected distribution of pumpage, and are for water use inventory and impact analysis purposes only. The quantities listed for this individual source are not intended to dictate the distribution of pumpage from permitted sources. The Permittee may make adjustments in pumpage distribution as necessary up to **720,000 gallons per day** on both an average and a peak monthly basis for the individual well, so long as adverse environmental impacts do not result and the Permittee complies with all other conditions of this Permit.

The average day and peak monthly quantities for **District ID Nos. 65 and 80, Permittee ID Nos. RO-1A and RO-7AW**, shown in the production withdrawal table are estimates based on historic and/or projected

distribution of pumpage, and are for water use inventory and impact analysis purposes only. The quantities listed for these individual sources are not intended to dictate the distribution of pumpage from permitted sources. The Permittee may make adjustments in pumpage distribution as necessary up to **792,000 gallons per day** on both an average basis and a peak monthly basis for the individual wells, so long as adverse environmental impacts do not result and the Permittee complies with all other conditions of this Permit.

The average day and peak monthly quantities for **District ID Nos. 50, 54, 55, 56, 57, 77, 78 and 79, Permittee ID Nos. RO-8, RO-2E, RO-3E, RO-4E, RO-5E, RO-6E, RO-7E and RO-8E**, shown in the production withdrawal table are estimates based on historic and/or projected distribution of pumpage, and are for water use inventory and impact analysis purposes only. The quantities listed for these individual sources are not intended to dictate the distribution of pumpage from permitted sources. The Permittee may make adjustments in pumpage distribution as necessary up to **936,000 gallons per day** on both an average basis and a peak monthly basis for the individual wells, so long as adverse environmental impacts do not result and the Permittee complies with all other conditions of this Permit.

In all cases, the total average annual daily and the total peak monthly daily quantities are limited to **6,864,000 gpd** and **8,240,000 gpd**, respectively, for the combined withdrawals at the City's wellfields. (WMIS Code 221)

b. Special Condition No. 3 is modified as follows:

The Permittee shall construct the proposed wells according to the surface diameter and casing depth specifications below. The casing shall be continuous from land surface to the minimum depth stated and is specified to prevent the unauthorized interchange of water between different water bearing zones. If a total depth is listed below, this is an estimate, based on best available information, of the depth at which high producing zones are encountered. However, it is the Permittee's responsibility to have the water in the well sampled during well construction, before reaching the estimated total depth. Such sampling is necessary to ensure that the well does not encounter water quality that cannot be utilized by the Permittee, and to ensure that withdrawals from the well will not cause salt-water intrusion. All depths given are in feet below land surface. For Well Construction requirements see Exhibit B, Well Construction Instructions, attached to and made part to this permit.

**District ID No. 79, Permittee ID No. RO-8E**, having a surface diameter of **12** inches, with a minimum casing depth of **220** feet, drilled to an estimated total depth of **320** feet.

**District ID No. 80, Permittee ID No. RO-7AW**, having a surface diameter of 12 inches, with a minimum casing depth of 230 feet, drilled to an estimated total depth of 350 feet. (WMIS Code 240)

c. Special Condition No. 16 is modified as follows:

The following proposed withdrawal facilities shall be metered within 90 days of completion of construction of the facilities: **District ID Nos. 79 and 80, Permittee ID Nos. RO-8E and RO-7AW**. Meter reading and reporting, as well as meter accuracy checks every five years shall be in accordance with instructions in Exhibit B, Metering Instructions, attached to and made part of this permit. (WMIS Code 718)

d. Special Condition No. 19 is modified as follows:

The following withdrawal facilities shall continue to be maintained and operated with existing, non-resettable, totalizing flow meter(s) or other measuring device(s) as approved by the Water Use Permit Bureau Chief: **District ID Nos. 33, 34, 35, 49, 50, 52, 54, 55, 56, 57, 65, 77 and 78, Permittee ID Nos. RO-2, RO-3, RO-4, RO-2A, RO-8, RO-1E, RO-2E, RO-3E, RO-4E, RO-5E, RO-1A, RO-6E and RO-7E**. Meter reading and reporting, as well as meter accuracy checks every five years shall be in accordance with instructions in Exhibit B, Metering Instructions, attached to and made part of this permit. (WMIS Code 719)

e. Special Condition No. 23 is modified as follows:

Water quality samples from the withdrawal points listed below shall be collected after pumping the withdrawal point at its normal rate for a pumping time specified below, or to a constant temperature, pH, and conductivity. The frequency of sampling per water quality parameter is listed in the table according to the withdrawal point. The recording and reporting shall begin according to the first sample date for existing wells and shall begin within 90 days of completion of any proposed wells. Samples shall be collected whether or not the well is being used unless infeasible. If sampling is infeasible, the Permittee shall indicate the reason for not sampling on the water quality data form or in the space for comments in the WUP Portal for data submissions. For sampling, analysis and submittal requirements see Exhibit B, Water Quality Sampling Instructions, attached to and made part of this permit.

Existing **District ID Nos. 33, 34, 35, 49, 50, 52, 54, 55, 56, 57, 65, 77 and 78, Permittee ID Nos. RO-2, RO-3, RO-4, RO-2A, RO-8, RO-1E, RO-2E, RO-3E, RO-4E, RO-5E, RO-1A, RO-6E and RO-7E** for chlorides, sulfates and TDS, after a minimum pumping time of 40 minutes, on a monthly basis.

Proposed **District ID Nos. 79 and 80, Permittee ID Nos. RO-8E and RO-7AW**, for chlorides, sulfates and TDS, after a minimum pumping time of 40 minutes, on a monthly basis, with first analyzed sample due within 90 days of completion of the withdrawal point or per the first reporting period as given in Exhibit B after completion of the monitor site. (WMIS Code 752)

f. Special Condition No. 28 is added as follows:

By January 1, 2016, District ID No.51, Permittee ID No. RO-7, shall be properly abandoned (plugged bottom to top) by a licensed water well contractor in accordance with Chapter 62-532.500(4), F.A.C., under a Well Abandonment Permit issued by Sarasota County unless an extension of time is granted by the Water Use Permit Bureau Chief. (WMIS Code 580)

All other terms and conditions of this permit shall remain unchanged unless specifically modified by this Letter Modification, and this permit will expire on December 16, 2028.

## **Notice of Rights**

### **Administrative Hearing**

1. You or any person whose substantial interests are or may be affected by the District's intended or proposed action may request an administrative hearing on that action by filing a written petition in accordance with Sections 120.569 and 120.57, Florida Statutes (F.S.), Uniform Rules of Procedure Chapter 28-106, Florida Administrative Code (F.A.C.) and District Rule 40D-1.1010, F.A.C. Unless otherwise provided by law, a petition for administrative hearing must be filed with (received by) the District within 21 days of receipt of written notice of agency action. "Written notice" means either actual written notice, or newspaper publication of notice, that the District has taken or intends to take agency action. "Receipt of written notice" is deemed to be the fifth day after the date on which actual notice is deposited in the United States mail, if notice is mailed to you, or the date that actual notice is issued, if sent to you by electronic mail or delivered to you, or the date that notice is published in a newspaper, for those persons to whom the District does not provide actual notice.
2. Pursuant to Subsection 373.427(2)(c), F.S., for notices of intended or proposed agency action on a consolidated application for an environmental resource permit and use of sovereignty submerged lands concurrently reviewed by the District, a petition for administrative hearing must be filed with (received by) the District within 14 days of receipt of written notice.
3. Pursuant to Rule 62-532.430, F.A.C., for notices of intent to deny a well construction permit, a petition for administrative hearing must be filed with (received by) the District within 30 days of receipt of written notice of intent to deny.
4. Any person who receives written notice of an agency decision and who fails to file a written request for a hearing within 21 days of receipt or other period as required by law waives the right to request a hearing on such matters.
5. Mediation pursuant to Section 120.573, F.S., to settle an administrative dispute regarding District intended action is not available prior to the filing of a petition for hearing.
6. A request or petition for administrative hearing must comply with the requirements set forth in Chapter 28-106, F.A.C. A petition for a hearing must: (1) explain how the substantial interests of each person requesting the hearing will be affected by the District's intended action or proposed action, (2) state all material facts disputed by the person requesting the hearing or state that there are no material facts in dispute, and (3) otherwise comply with Rules 28-106.201 and 28-106.301, F.A.C. Chapter 28-106, F.A.C., can be viewed at [www.flrules.org](http://www.flrules.org) or at the District's website at [www.WaterMatters.org/permits/rules](http://www.WaterMatters.org/permits/rules).
7. A petition for administrative hearing is deemed filed upon receipt of the complete petition by the District Agency Clerk at the District's Tampa Service Office during normal business hours, which are 8:00 a.m. to 5:00 p.m., Monday through Friday, excluding District holidays. Filings with the District Agency Clerk may be made by mail, hand-delivery or facsimile transfer (fax). The District does not accept petitions for administrative hearing by electronic mail. Mailed filings must be addressed to, and hand-delivered filings must be delivered to, the Agency Clerk, Southwest Florida Water Management District, 7601 US Hwy 301, Tampa, FL 33637-6759. Faxed filings must be transmitted to the District Agency Clerk at (813) 367-9776. Any petition not received during normal business hours shall be filed as of 8:00 a.m. on the next business day. The District's acceptance of faxed petitions for filing is subject to certain conditions set forth in the District's Statement of Agency Organization and Operation, available for viewing at [www.WaterMatters.org/about](http://www.WaterMatters.org/about).



## **Judicial Review**

1. Pursuant to Sections 120.60(3) and 120.68, F.S., a party who is adversely affected by District action may seek judicial review of the District's action. Judicial review shall be sought in the Fifth District Court of Appeal or in the appellate district where a party resides or as otherwise provided by law.
2. All proceedings shall be instituted by filing an original notice of appeal with the District Agency Clerk within 30 days after the rendition of the order being appealed, and a copy of the notice of appeal, accompanied by any filing fees prescribed by law, with the clerk of the court, in accordance with Rules 9.110 and 9.190 of the Florida Rules of Appellate Procedure (Fla. R. App. P.). Pursuant to Fla. R. App. P. 9.020(h), an order is rendered when a signed written order is filed with the clerk of the lower tribunal.

## Exhibit B

### METERING INSTRUCTIONS

The Permittee shall meter withdrawals from surface waters and/or the ground water resources, and meter readings from each withdrawal facility shall be recorded on a monthly basis within the last week of the month. The meter reading(s) shall be reported to the Water Use Permit Bureau on or before the tenth day of the following month for monthly reporting frequencies. For bi-annual reporting, the data shall be recorded on a monthly basis and reported on or before the tenth day of the month following the sixth month of recorded data. The Permittee shall submit meter readings online using the Permit Information Center at [www.swfwmd.state.fl.us/permits/epermitting/](http://www.swfwmd.state.fl.us/permits/epermitting/) or on District-supplied scanning forms unless another arrangement for submission of this data has been approved by the District. Submission of such data by any other unauthorized form or mechanism may result in loss of data and subsequent delinquency notifications. Call the Water Use Permit Bureau in Tampa at (813) 985-7481 if difficulty is encountered.

The meters shall adhere to the following descriptions and shall be installed or maintained as follows:

1. The meter(s) shall be non-resettable, totalizing flow meter(s) that have a totalizer of sufficient magnitude to retain total gallon data for a minimum of the three highest consecutive months permitted quantities. If other measuring device(s) are proposed, prior to installation, approval shall be obtained in writing from the Water Use Permit Bureau Chief.
2. The Permittee shall report non-use on all metered standby withdrawal facilities on the scanning form or approved alternative reporting method.
3. If a metered withdrawal facility is not used during any given month, the meter report shall be submitted to the District indicating the same meter reading as was submitted the previous month.
4. The flow meter(s) or other approved device(s) shall have and maintain an accuracy within five percent of the actual flow as installed.
5. Meter accuracy testing requirements:

- A. For newly metered withdrawal points, the flow meter installation shall be designed for inline field access for meter accuracy testing.
- B. The meter shall be tested for accuracy on-site, as installed according to the Flow Meter Accuracy Test Instructions in this Exhibit B, every five years in the assigned month for the county, beginning from the date of its installation for new meters or from the date of initial issuance of this permit containing the metering condition with an accuracy test requirement for existing meters.
- C. The testing frequency will be decreased if the Permittee demonstrates to the satisfaction of the District that a longer period of time for testing is warranted.
- D. The test will be accepted by the District only if performed by a person knowledgeable in the testing equipment used.
- E. If the actual flow is found to be greater than 5% different from the measured flow, within 30 days, the Permittee shall have the meter re-calibrated, repaired, or replaced, whichever is necessary. Documentation of the test and a certificate of re-calibration, if applicable, shall be submitted within 30 days of each test or re-calibration.

6. The meter shall be installed according to the manufacturer's instructions for achieving accurate flow to the specifications above, or it shall be installed in a straight length of pipe where there is at least an upstream length equal to ten (10) times the outside pipe diameter and a downstream length equal to two (2) times the outside pipe diameter. Where there is not at least a length of ten diameters upstream available, flow straightening vanes shall be used in the upstream line.

7. Broken or malfunctioning meter:

- A. If the meter or other flow measuring device malfunctions or breaks, the Permittee shall notify the District within 15 days of discovering the malfunction or breakage.
- B. The meter must be replaced with a repaired or new meter, subject to the same specifications given above, within 30 days of the discovery.
- C. If the meter is removed from the withdrawal point for any other reason, it shall be replaced with another meter having the same specifications given above, or the meter shall be reinstalled within 30 days of its removal from the withdrawal. In either event, a fully functioning meter shall not be off the withdrawal point for more than 60 consecutive days.

8. While the meter is not functioning correctly, the Permittee shall keep track of the total amount of time the withdrawal point was used for each month and multiply those minutes times the pump capacity (in gallons per minute) for total gallons. The estimate of the number of gallons used each month during that period shall be submitted on District scanning forms and noted as estimated per instructions on the form. If the data is submitted by another approved method, the fact that it is estimated must be indicated. The reason for the necessity to estimate pumpage shall be reported with the estimate.

9. In the event a new meter is installed to replace a broken meter, it and its installation shall meet the specifications of this condition. The permittee shall notify the District of the replacement with the first submittal of meter readings from the new meter.

#### **FLOW METER ACCURACY TEST INSTRUCTIONS**

1. **Accuracy Test Due Dates** - The Permittee is to schedule their accuracy test according to the following schedule:

- A. For existing metered withdrawal points, add five years to the previous test year, and make the test in the month assigned to your county.
- B. For withdrawal points for which metering is added for the first time, the test is to be scheduled five years from the issue year in the month assigned to your county.
- C. For proposed withdrawal points, the test date is five years from the completion date of the withdrawal point in the month assigned to your county.
- D. For the Permittee's convenience, if there are multiple due-years for meter accuracy testing because of the timing of the installation and/or previous accuracy tests of meters, the Permittee can submit a request in writing to the Water Use Permit Bureau Chief for one specific year to be

assigned as the due date year for meter testing. Permittees with many meters to test may also request the tests to be grouped into one year or spread out evenly over two to three years.  
 E. The months for accuracy testing of meters are assigned by county. The Permittee is requested but not required to have their testing done in the month assigned to their county. This is to have sufficient District staff available for assistance.

January	Hillsborough
February	Manatee, Pasco
March	Polk (for odd numbered permits)*
April	Polk (for even numbered permits)*
May	Highlands
June	Hardee, Charlotte
July	None or Special Request
August	None or Special Request
September	DeSoto, Sarasota
October	Citrus, Levy, Lake
November	Hernando, Sumter, Marion
December	Pinellas

\* The permittee may request their multiple permits be tested in the same month.

**2. Accuracy Test Requirements:** The Permittee shall test the accuracy of flow meters on permitted withdrawal points as follows:

- A. The equipment water temperature shall be set to 72 degrees Fahrenheit for ground water, and to the measured water temperature for other water sources.
- B. A minimum of two separate timed tests shall be performed for each meter. Each timed test shall consist of measuring flow using the test meter and the installed meter for a minimum of four minutes duration. If the two tests do not yield consistent results, additional tests shall be performed for a minimum of eight minutes or longer per test until consistent results are obtained.
- C. If the installed meter has a rate of flow, or large multiplier that does not allow for consistent results to be obtained with four- or eight-minute tests, the duration of the test shall be increased as necessary to obtain accurate and consistent results with respect to the type of flow meter installed.
- D. The results of two consistent tests shall be averaged, and the result will be considered the test result for the meter being tested. This result shall be expressed as a plus or minus percent (rounded to the nearest one-tenth percent) accuracy of the installed meter relative to the test meter. The percent accuracy indicates the deviation (if any), of the meter being tested from the test meter.

**3. Accuracy Test Report:** The Permittees shall demonstrate that the results of the meter test(s) are accurate by submitting the following information within 30 days of the test:

- A. A completed Flow Meter Accuracy Verification Form, Form LEG-R.014.00 (07/08) for each flow meter tested. This form can be obtained from the District's website ([www.watermatters.org](http://www.watermatters.org)) under "Permits and Rules" for Water Use Permits.
- B. A printout of data that was input into the test equipment if the test equipment is capable of creating such a printout;
- C. A statement attesting that the manufacturer of the test equipment, or an entity approved or authorized by the manufacturer, has trained the operator to use the specific model test equipment used for testing;
- D. The date of the test equipment's most recent calibration that demonstrates that it was calibrated within the previous twelve months, and the test lab's National Institute of Standards and Testing (N.I.S.T.) traceability reference number.
- E. A diagram showing the precise location on the pipe where the testing equipment was mounted shall be supplied with the form. This diagram shall also show the pump, installed meter, the configuration (with all valves, tees, elbows, and any other possible flow disturbing devices) that



exists between the pump and the test location clearly noted with measurements. If flow straightening vanes are utilized, their location(s) shall also be included in the diagram.  
F. A picture of the test location, including the pump, installed flow meter, and the measuring device, or for sites where the picture does not include all of the items listed above, a picture of the test site with a notation of distances to these items.

#### WATER QUALITY INSTRUCTIONS

The Permittee shall perform water quality sampling, analysis and reporting as follows:

1. The sampling method(s) from both monitor wells and surface water bodies shall be designed to collect water samples that are chemically representative of the zone of the aquifer or the depth or area of the water body.
2. Water quality samples from monitor wells shall be taken after pumping the well for the minimum time specified (if specified) or after the water reaches a constant temperature, pH, and conductivity.
3. The first submittal to the District shall include a copy of the laboratory's analytical and chain of custody procedures. If the laboratory used by the Permittee is changed, the first submittal of data analyzed at the new laboratory shall include a copy of the laboratory's analytical and chain of custody procedures.
4. Any variance in sampling and/or analytical methods shall have prior approval of the Water Use Permit Bureau Chief.
5. The Permittee's sampling procedure shall follow the handling and chain of custody procedures designated by the certified laboratory which will undertake the analysis.
6. Water quality samples shall be analyzed by a laboratory certified by the Florida Department of Health utilizing the standards and methods applicable to the parameters analyzed and to the water use pursuant to Chapter 64E-1, Florida Administrative Code, "Certification of Environmental Testing Laboratories."
7. Analyses shall be performed according to procedures outlined in the current edition of Standard Methods for the Examination of Water and Wastewater by the American Public Health Association-American Water Works Association-Water Pollution Control Federation (APHA-AWWA-WPCF) or Methods for Chemical Analyses of Water and Wastes by the U.S. Environmental Protection Agency (EPA).
8. Unless other reporting arrangements have been approved by the Water Use Permit Bureau Chief, reports of the analyses shall be submitted to the Water Use Permit Bureau, online at the District WUP Portal or mailed in hardcopy on or before the tenth day of the following month. The online submittal shall include a scanned upload of the original laboratory report. The hardcopy submittal shall be a copy of the laboratory's analysis form. If for some reason, a sample cannot be taken when required, the Permittee shall indicate so and give the reason in the space for comments at the WUP Portal or shall submit the reason in writing on the regular due date.
9. Water quality samples shall be collected based on the following timetable for the frequency listed in the special condition:
10. The parameters and frequency of sampling and analysis may be modified by the District as necessary to ensure the protection of the resource.

#### **Frequency**

Weekly Same Day of each week  
Quarterly  
Semi-annually

#### **Timetable**

Monthly Same week of each month  
Same week of **February, May, August, November**  
Same week of **May, November**

#### WELL CONSTRUCTION INSTRUCTIONS

All wells proposed to be constructed shall be drilled and constructed as specified below:

1. All well casing (including liners and/or pipe) must be sealed to the depth specified in the permit condition.
2. The proposed well(s) shall be constructed of materials that are resistant to degradation of the casing/grout due to interaction with the water of lesser quality. A minimum grout thickness of two (2) inches is required on wells four (4) inches or more in diameter.
3. A minimum of twenty (20) feet overlap and two (2) centralizers is required for Public Supply wells and all wells six (6) inches or more in diameter.
4. Any variation from estimated, maximum or minimum total depths; maximum or minimum casing depths; well location or casing diameter specified in the condition requires advanced approval by the Water Use Permit Bureau Chief, or the Well Construction Section Manager.
5. The Permittee is notified that a proposal to significantly change any of these well construction specifications may require permit modification if the District determines that such a change would result in significantly greater withdrawal impacts than those considered for this Permit.
6. The finished well casing depth shall not vary from these specifications by greater than ten (10) percent unless advance approval is granted by the Water Use Permit Bureau Chief, or the Well Construction Section Manager.



An Equal  
Opportunity  
Employer

# Southwest Florida Water Management District

## Bartow Service Office

170 Century Boulevard  
Bartow, Florida 33830-7700  
(863) 534-1448 or  
1-800-492-7862 (FL only)

## Sarasota Service Office

6750 Fruitville Road  
Sarasota, Florida 34240-9711  
(941) 377-3722 or  
1-800-320-3503 (FL only)

## Tampa Service Office

7601 Highway 301 North  
Tampa, Florida 33637-6759  
(813) 985-7481 or  
1-800-836-0797 (FL only)

2379 Broad Street, Brooksville, Florida 34604-6899

(352) 796-7211 or 1-800-423-1476 (FL only)

SUNCOM 628-4150 TDD only 1-800-231-6103 (FL only)

On the Internet at: [WaterMatters.org](http://WaterMatters.org)

May 06, 2011

City Of Venice  
200 N WARFIELD AVE  
VENICE, FL 34292

Subject: Final Agency Action Transmittal Letter  
Individual Water Use Permit No: 20 005393.009

Dear Permittee(s):

Your Water Use Permit has been approved. Final approval is contingent upon no objection to the District's action being received by the District within the time frames described below.

Your or any person whose substantial interests are affected by the District's action regarding a permit may request an administrative hearing in accordance with Sections 120.569 and 120.57, Florida Statutes, (F.S.), and Chapter 28-106, Florida Administrative Code, (F.A.C.), of the Uniform Rules of Procedure. A request for hearing must (1) explain how the substantial interests of each person requesting the hearing will be affected by the District's action, or proposed action; (2) state all material facts disputed by the person requesting the hearing or state that there are no disputed facts; and (3) otherwise comply with Chapter 28-106, F.A.C. Copies of Sections 28-106.201 and 28-106.301, F.A.C., are enclosed for your reference. A request for hearing must be filed with (received by) the Agency Clerk of the District at the District's Brooksville address within 21 days of receipt of this notice. Receipt is deemed to be the fifth day after the date on which this notice is deposited in the United States mail. Failure to file a request for hearing within this time period shall constitute a waiver of any right you or such person may have to request a hearing under Sections 120.569 and 120.57, F.S. Mediation pursuant to Section 120.573, F.S. to settle an administrative dispute regarding the District's action in this matter is not available prior to the filing of a request for hearing.

Enclosed is a 'Noticing Packet' that provides information regarding District Rules, 40D-1.1010, F.A.C. which addresses the notification of persons having substantial interests that may be affected by the District's action in this matter. The packet contains guidelines on how to provide notice of the District's action, and a notice that you may use.

Please be advised that the Governing Board has formulated a water shortage plan referenced in a Standard Water Use Permit Condition (Exhibit A) of your permit, and will implement such a plan during periods of water shortage. You will be notified during a declared water shortage of any change in the conditions of your Permit or any suspension of your Permit, or of any restriction on your use of water for the duration of any declared water shortage. Please further note that water conservation is a condition of your Permit and should be practiced at all times.

The ID tags for your withdrawals shall be installed by a District representative. This representative will attempt to contact you within 30 days to discuss placement of your tags. If you have any questions or concerns regarding your tags, please contact Cheryl Johnson at extension 6518, in the Sarasota Regulation Department. If you have any questions or concerns regarding your permit or any other information, please contact the Sarasota Regulation Department and ask to speak to someone in the Water Use Regulation Section.

Sincerely,

Ross Morton

Sarasota Regulation Department

Enclosures:   Approved Permit  
                  Rules 28-106.201 and 28-106.301 F.A.C.  
                  Noticing Packet

**SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT  
WATER USE  
INDIVIDUAL  
PERMIT NO. 20 005393.009**

**EXPIRATION DATE:** December 16, 2028

**PERMIT ISSUE DATE:** May 06, 2011

The Permittee is responsible for submitting an application to renew this permit no sooner than one year prior to the expiration date, and no later than the end of the last business day before the expiration date, whether or not the Permittee receives prior notification by mail. Failure to submit a renewal application prior to the expiration date and continuing to withdraw water after the expiration date is a violation of Chapter 373, Florida Statutes, and Chapter 40D-2, Florida Administrative Code, and may result in a monetary penalty and/or loss of the right to use the water. Issuance of a renewal of this permit is contingent upon District approval.

**TYPE OF APPLICATION:** Letter Modification  
**GRANTED TO:** City Of Venice  
200 N WARFIELD AVE  
VENICE, FL 34292

**PROJECT NAME:** CITY OF VENICE  
**WATER USE CAUTION AREA:** SOUTHERN WATER USE CAUTION AREA  
**COUNTY:** Sarasota

**TOTAL QUANTITIES AUTHORIZED UNDER THIS PERMIT (in gpd)**

ANNUAL AVERAGE	6,864,000 gpd
PEAK MONTH <sup>1</sup>	8,240,000 gpd

1. Peak Month: Average daily use during the highest water use month.

**ABSTRACT:**

This is a Permit Modification to implement water conservation rules adopted by the Governing Board. For this permit, special permit conditions are applied associated with water conserving rate structures, per capita rates, and the water use annual report. In addition, compliance reporting in support of this 20-year permit shall be required at year 10 only (the year 5 and year 15 compliance reporting requirements are eliminated). A Special Condition for wellfield flexibility is also added at this time.

**WATER USE TABLE (in gallons per day)**

<b><u>USE</u></b>	<b><u>ANNUAL AVERAGE</u></b>	<b><u>PEAK MONTH</u></b>
PUBLIC SUPPLY	6,864,000	8,240,000



**USE TYPE**

Commercial/Industrial

Fire Fighting/Testing

Other Metered Uses

Residential Multi-Family

Residential Single Family

Treatment Losses  
(Backflushing)

Unaccounted Use

**PUBLIC SUPPLY:**

Population Served: 47,795

Per Capita Rate: 90 gpd/person

**WITHDRAWAL POINT QUANTITY TABLE**

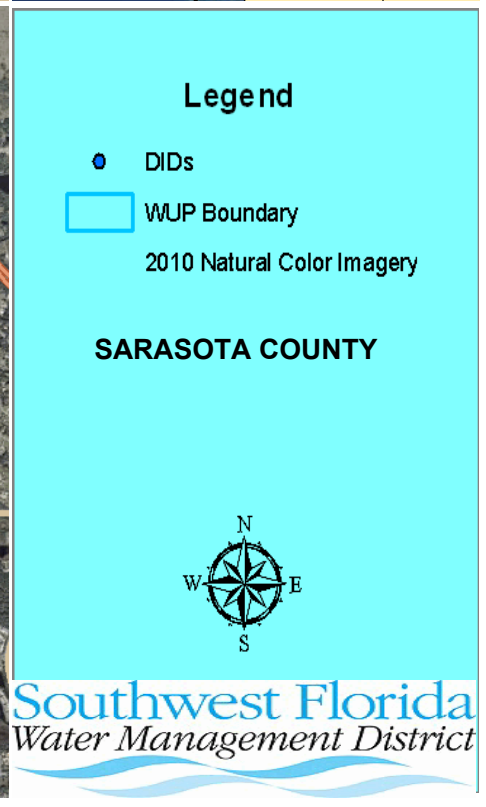
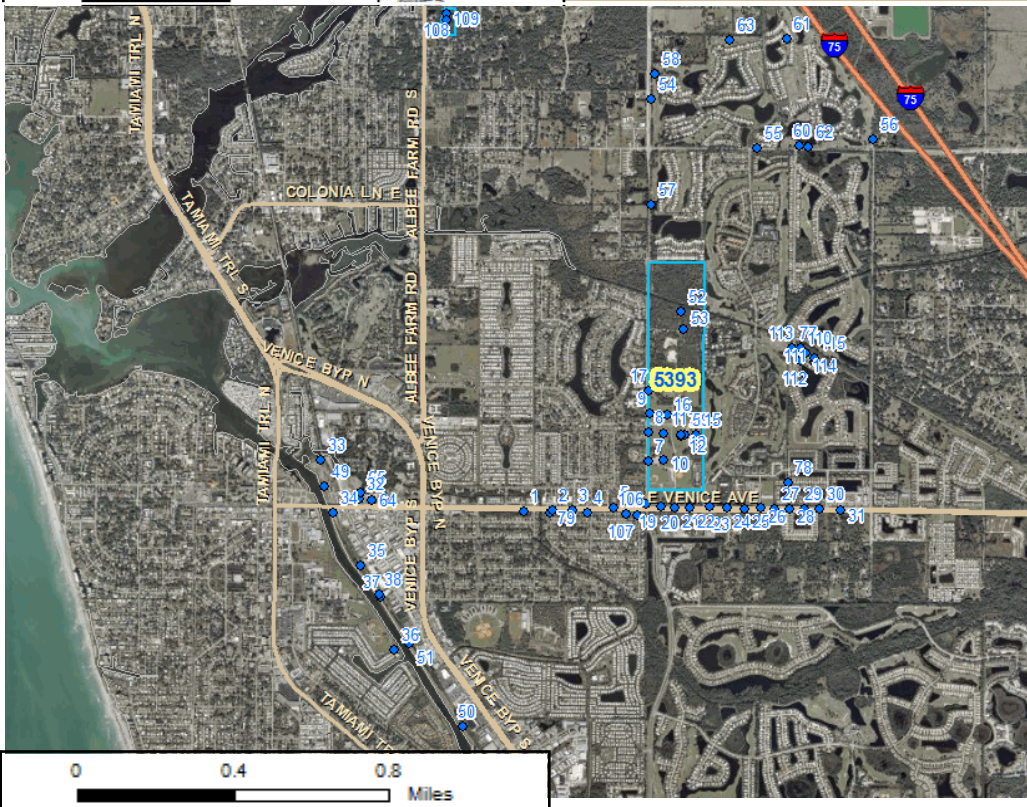
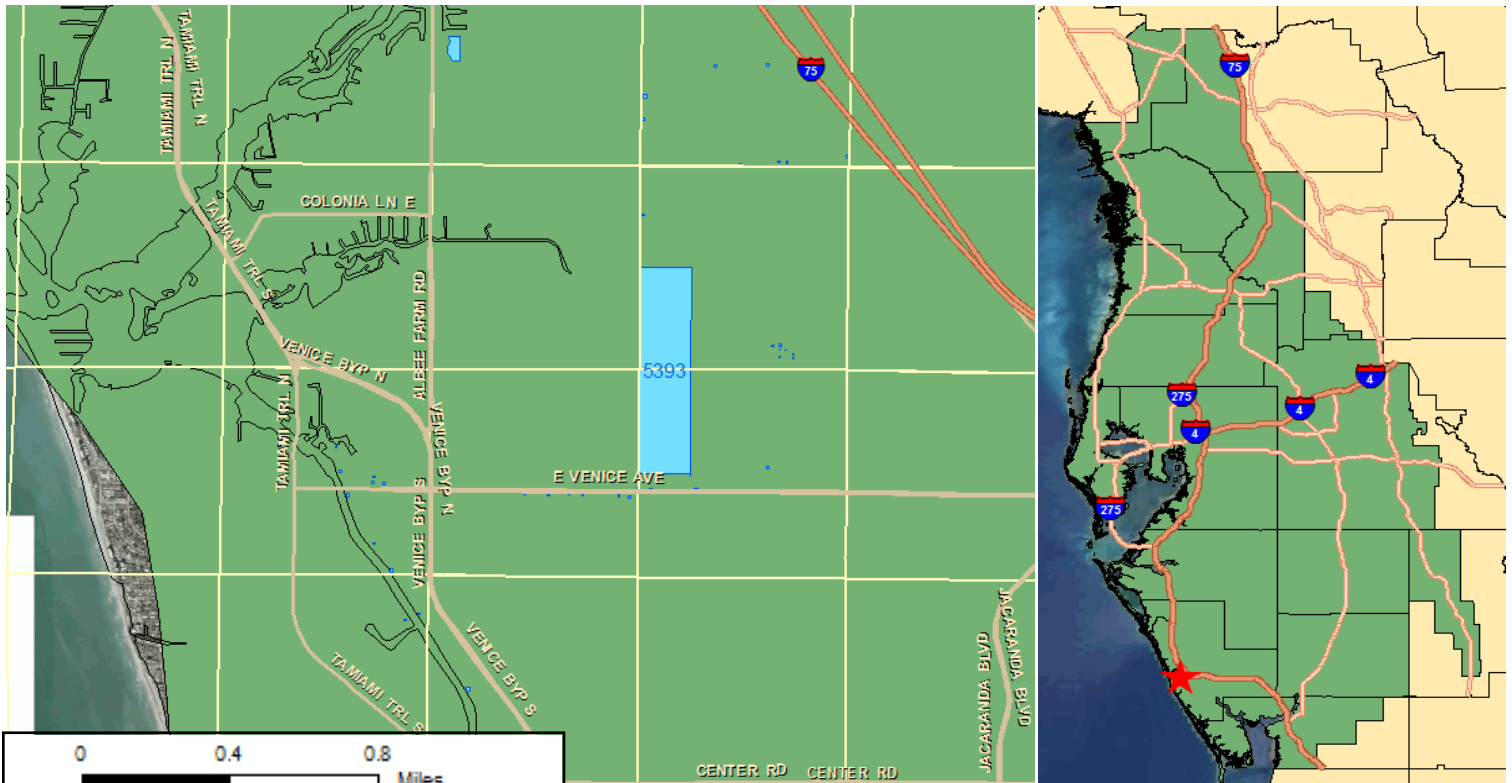
Water use from these withdrawal points are restricted to the quantities given below:

<b><u>I.D. NO.</u></b> <b><u>PERMITTEE/</u></b> <b><u>DISTRICT</u></b>	<b><u>DIAM</u></b> <b><u>(IN.)</u></b>	<b><u>DEPTH</u></b> <b><u>TTL./CSD.FT.</u></b> <b><u>(feet bls)</u></b>	<b><u>USE DESCRIPTION</u></b>	<b><u>AVERAGE</u></b> <b><u>(gpd)</u></b>	<b><u>PEAK</u></b> <b><u>MONTH</u></b> <b><u>(gpd)</u></b>
RO-2 / 33	10	385 / 230	Public Supply	338,000	405,700
RO-3 / 34	10	450 / 230	Public Supply	354,100	425,100
RO-4 / 35	10	450 / 230	Public Supply	362,100	434,700
RO-2A / 49	10	450 / 230	Public Supply	338,000	405,700
RO-8 / 50	12	450 / 230	Public Supply	523,000	627,900
RO-7 / 51	12	350 / 230	Public Supply	442,600	531,300
RO-1E / 52	12	405 / 269	Public Supply	402,300	483,000
RO-2E / 54	12	261 / 207	Public Supply	523,000	627,900
RO-3E / 55	12	360 / 197	Public Supply	523,100	627,900
RO-4E / 56	12	320 / 242	Public Supply	523,000	627,900
RO-5E / 57	12	320 / 228	Public Supply	523,100	627,900
RO-1A / 65	12	359 / 225	Public Supply	442,600	531,300
RO-6E / 77	12	320 / 220	Public Supply	523,000	627,900
RO-7E / 78	12	320 / 220	Public Supply	523,100	627,900
RO-8E / 79	12	320 / 220	Public Supply	523,000	627,900

**WITHDRAWAL POINT LOCATION TABLE**

<b><u>DISTRICT I.D. NO</u></b>	<b><u>LATITUDE/LONGITUDE</u></b>
33	27° 06' 10.00"/82° 26' 27.60"
34	27° 05' 57.80"/82° 26' 24.30"
35	27° 05' 45.60"/82° 26' 17.00"
49	27° 06' 04.04"/82° 26' 26.40"
50	27° 05' 08.40"/82° 25' 50.10"
51	27° 05' 27.60"/82° 26' 04.10"
52	27° 06' 44.80"/82° 24' 53.60"
54	27° 07' 33.90"/82° 25' 01.40"
55	27° 07' 22.70"/82° 24' 33.70"
56	27° 07' 24.80"/82° 24' 03.40"
57	27° 07' 09.60"/82° 25' 01.40"
65	27° 06' 02.50"/82° 26' 17.00"
77	27° 06' 36.26"/82° 24' 24.47"
78	27° 06' 05.35"/82° 24' 25.56"
79	27° 05' 58.04"/82° 25' 27.62"

Location Map  
City Of Venice  
WUP No. 20 005393.009



**STANDARD CONDITIONS:**

The Permittee shall comply with the Standard Conditions attached hereto, incorporated herein by reference as Exhibit A and made a part hereof.

**SPECIAL CONDITIONS:**

1. All reports and data required by condition(s) of the permit shall be submitted to the District according to the due date(s) contained in the specific condition. If the condition specifies that a District-supplied form is to be used, the Permittee should use that form in order for their submission to be acknowledged in a timely manner. The only alternative to this requirement is to use the District Permit Information Center ([www.swfwmd.state.fl.us/permits/epermitting/](http://www.swfwmd.state.fl.us/permits/epermitting/)) to submit data, plans or reports online. There are instructions at the District website on how to register to set up an account to do so. If the report or data is received on or before the tenth day of the month following data collection, it shall be deemed as a timely submittal.

All mailed reports and data are to be sent to:

Southwest Florida Water Management District  
Sarasota Regulation Department, Water Use Regulation  
6750 Fruitville Road  
Sarasota, Florida 34240-9711

Submission of plans and reports: Unless submitted online or otherwise indicated in the special condition, the original and two copies of each plan and report, such as conservation plans, environmental analyses, aquifer test results, per capita annual reports, etc. are required.

Submission of data: Unless otherwise indicated in the special condition, an original (no copies) is required for data submittals such as crop report forms, meter readings and/or pumpage, rainfall, water level evapotranspiration, or water quality data.  
(499)

2. The average day and peak monthly quantities for **District ID Nos. 33 and 49, Permittee ID Nos. RO-2 and RO-2A**, shown in the production withdrawal table are estimates based on historic and/or projected distribution of pumpage, and are for water use inventory and impact analysis purposes only. The quantities listed for these individual sources are not intended to dictate the distribution of pumpage from permitted sources. The Permittee may make adjustments in pumpage distribution as necessary up to **604,800 gallons per day** on both an average basis and a peak monthly basis for the individual wells, so long as adverse environmental impacts do not result and the Permittee complies with all other conditions of this Permit.

The average day and peak monthly quantity for **District ID No. 34, Permittee ID No. RO-3**, shown in the production withdrawal table are estimates based on historic and/or projected distribution of pumpage, and are for water use inventory and impact analysis purposes only. The quantities listed for this individual source are not intended to dictate the distribution of pumpage from permitted sources. The Permittee may make adjustments in pumpage distribution as necessary up to **633,600 gallons per day** on both an average and a peak monthly basis, for the individual well, so long as adverse environmental impacts do not result and the Permittee complies with all other conditions of this Permit.

The average day and peak monthly quantity for **District ID No. 35, Permittee ID No. RO-4**, shown in the production withdrawal table are estimates based on historic and/or projected distribution of pumpage, and are for water use inventory and impact analysis purposes only. The quantities listed for this individual source are not intended to dictate the distribution of pumpage from permitted sources. The Permittee may make adjustments in pumpage distribution as necessary up to **648,000 gallons per day** on both an average and a peak monthly basis for the individual well, so long as adverse environmental impacts do not result and the Permittee complies with all other conditions of this Permit.

The average day and peak monthly quantity for **District ID No. 52, Permittee ID No. RO-1E**, shown in the production withdrawal table are estimates based on historic and/or projected distribution of pumpage, and are for water use inventory and impact analysis purposes only. The quantities listed for this individual source are not intended to dictate the distribution of pumpage from permitted sources. The Permittee may make adjustments in pumpage distribution as necessary up to **720,000 gallons per day** on both an average and a peak monthly

basis for the individual well, so long as adverse environmental impacts do not result and the Permittee complies with all other conditions of this Permit.

The average day and peak monthly quantities for **District ID Nos. 51 and 65, Permittee ID Nos. RO-7 and RO-1A**, shown in the production withdrawal table are estimates based on historic and/or projected distribution of pumpage, and are for water use inventory and impact analysis purposes only. The quantities listed for these individual sources are not intended to dictate the distribution of pumpage from permitted sources. The Permittee may make adjustments in pumpage distribution as necessary up to **792,000 gallons per day** on both an average basis and a peak monthly basis for the individual wells, so long as adverse environmental impacts do not result and the Permittee complies with all other conditions of this Permit.

The average day and peak monthly quantities for **District ID Nos. 50, 54, 55, 56, 57, 77, 78 and 79, Permittee ID Nos. RO-8, RO-2E, RO-3E, RO-4E, RO-5E, RO-6E, RO-7E and RO-8E**, shown in the production withdrawal table are estimates based on historic and/or projected distribution of pumpage, and are for water use inventory and impact analysis purposes only. The quantities listed for these individual sources are not intended to dictate the distribution of pumpage from permitted sources. The Permittee may make adjustments in pumpage distribution as necessary up to **936,000 gallons per day** on both an average basis and a peak monthly basis for the individual wells, so long as adverse environmental impacts do not result and the Permittee complies with all other conditions of this Permit.

In all cases, the total average annual daily and the total peak monthly daily quantities are limited to **6,864,000 gpd** and **8,240,000 gpd**, respectively, for the combined withdrawals at the City's wellfields.(221)

3. The Permittee shall construct the proposed wells according to the surface diameter and casing depth specifications below. The casing shall be continuous from land surface to the minimum depth stated and is specified to prevent the unauthorized interchange of water between different water bearing zones. If a total depth is listed below, this is an estimate, based on best available information, of the depth at which high producing zones are encountered. However, it is the Permittee's responsibility to have the water in the well sampled during well construction, before reaching the estimated total depth. Such sampling is necessary to ensure that the well does not encounter water quality that cannot be utilized by the Permittee, and to ensure that withdrawals from the well will not cause salt-water intrusion. All depths given are in feet below land surface. For Well Construction requirements see Exhibit B, Well Construction Instructions, attached to and made part to this permit.

District ID No. 79, Permittee ID No. RO-8E, having a surface diameter of 12 inches, with a minimum casing depth of 220 feet, drilled to an estimated total depth of 320 feet.  
(240)

4. The District reserves the right to set sulfate and TDS concentration limits on any production well in the future, based on data collected and after a sufficient data base has been established to determine limits. These limits shall be required after discussions with the Permittee. At such time as the concentration in any water sample reaches or exceeds the designated concentration limits, the Permittee shall take appropriate action to reduce concentrations to below those set for the particular well. If the District determines that long-term upward trends or other significant water quality changes are occurring, the District may reconsider the quantities permitted.  
(276)
5. Upon permit issuance, the Permittee shall implement the Wellfield Management Plan (the Plan) as submitted to the District on November 4, 2008. The Plan is hereby incorporated by reference into this Water Use Permit. Where the Special Conditions of the Permit deviate from the Plan, the conditions of the Permit shall supersede the Plan. The District reserves the right to require modification of the Plan as necessary to protect the resource. Such modifications will only occur after discussion and consultation with the Permittee. The Permittee may also request modification to the Wellfield Management Plan in writing. Such requested modification shall require written approval from the Sarasota Regulation Department Director. If the District determines that significant adverse impacts are occurring due to withdrawals, the District may reconsider the quantities permitted.(311)
6. By **January 15, 2019** the Permittee shall submit a report for approval by the Sarasota Regulation Department Director which addresses the feasibility of implementing water conservation measures during the term of the permit. Conservation measures to be analyzed shall include, but are not necessarily limited to, the following:

A. General Conservation Measures. Public education and awareness; alternative sources programs such as, but not limited to, reclaimed water, stormwater runoff, etc.; comprehensive plan goals, objectives, and/or



policies; adoption and enforcement of water restrictions; building codes and/or ordinances promoting conservation; and water audits.

B. Indoor Conservation Measures. Residential water conserving retrofit kits which may include showerheads, toilet tank devices, leak detection programs, faucet aerators, installation instructions, and rebate programs.

C. Outdoor Conservation Measures. Irrigation audits or evaluations of significant irrigation water users, water-efficient landscape and xeriscape ordinances and rebate programs; automatic irrigation system shut-off device ordinance; and rebate programs.

The preparation of this report shall be coordinated with the District's Sarasota Water Use Regulation Manager via meeting scheduled to be held at least 60 days prior to report submittal. This report shall include an economic feasibility analysis. It is understood that the District will, as requested by the Permittee, coordinate on and provide technical assistance in preparation of this economic analysis. A reasonable schedule for implementation shall be provided for those conservation measures found by the Permittee, in consultation with the District, to be feasible. For those measures determined infeasible by the Permittee, in consultation with the District, the City shall provide a detailed explanation supporting why the measure is infeasible.

The report shall also specify conservation measures which have been implemented to date by the City, as well as provide an estimate of water savings experienced as a result of these implemented measures. Methodologies and calculations used to estimate water savings shall also be provided.(449)

7. The Permittee shall prepare a comprehensive but concise annual report on wellfield operation (Annual Report), an assessment of the water resources of the wellfield area based on the subject areas listed below. This report shall concisely summarize the elements listed below, with emphasis on the interactions between these elements, where appropriate. Data sources shall be referenced, but no raw data shall be included in the report. Only essential text, graphs, and tables should be included in the report. Three copies of the report shall be submitted to the Sarasota Regulation Department Director by **April 15** of each year. The report shall cover all activities and conditions pertaining to the City of Venice wellfields and service area for the preceding water year (**October 1 to September 30**). The specific elements of this report are listed below, but are not limited to:

A. Water Use. Pumpage quantity and water distribution information collected for the Pumpage Reporting condition of this permit shall be summarized for the annual reporting period. A population estimate for the annual reporting period, which includes only those served by the municipal system within the service area, shall be provided and referenced. The quantities of water delivered to and used within the Permittee's service area over the annual reporting period shall be used with the population estimate to determine a per capita use for the period. The report should also include information regarding any quantities of water received from interconnections to any sources of water other than the Permittee's wellfields. The per capita rate shall be calculated as defined in Chapter 40D-2, Water Use Permitting Rules, F.A.C., Basis of Review. Any changes to the service area boundaries shall be described and plotted on a map.

An overview of the wellfield rotation for the previous 12-months (i.e., which wells were used more, which wells were used less, and reasons for doing same, future changes or modifications to the wellfield rotation plan due to the yield from the various wells, future annexation sites, potential future production well sites, etc.).

B. Chloride Concentration Guidance and Trigger Levels. The Permittee shall summarize compliance with, and any events related to, the chloride concentration guidance and trigger levels component of the Wellfield Management Plan in the annual report.

C. Water Quality Sampling. Water quality samples collected for the Water Quality Sampling condition of this permit shall be summarized for the annual reporting period and the period of record. The report should delineate areas of concern with respect to changing water quality, changes in water quality specifically in zones PZ-2 and PZ-3, any shift in the fresh/saltwater interface (horizontally or vertically), or other trends which have occurred.

D. Domestic Monitoring. Domestic water quality monitoring required for the Domestic Monitor Well Monitoring Network condition of this permit shall be summarized for the annual reporting period. The report should delineate areas of concern with respect to any water quality trends identified, any changes with respect to the number or location of wells included within the program, or other information which may be deemed appropriate in order to protect the availability and quality of the resource.

E. Water Level Monitoring. Water levels collected for the Water Level Monitoring condition of this permit shall be summarized for the annual reporting period. The report should delineate any areas of concern with respect to water levels within the aquifers monitored, changes in sampling locations, number of wells included in the program, etc., or any other information which may be deemed appropriate in order to protect the resource.

F. Hydrologic Analyses. Statistical trend analysis, such as double-mass curve analysis, multiple linear regression, time series analysis, and factor analysis shall be performed for the annual reporting period and the period of record to analyze the interactions of rainfall and pumpage on changes in water quality or water levels. A brief summary of any recommended changes to the monitoring requirements shall be provided.

G. Capital Improvement Program Status. For the annual reporting period, a summary of completed water supply system improvements shall be provided. In addition, an update to any documented system weaknesses or anticipated system improvements shall be described.

H. Water Treatment Efficiency. A description of efforts to improve water treatment efficiency shall be included. This shall include good faith efforts undertaken in its infrastructure planning and implementation efforts. Opportunities during the prior year to replace water treatment-related infrastructure, including items such as change-outs to pressure vessels, piping, racks (skids), and treatment membrane elements shall be discussed. (524)

8. The Permittee shall comply with the Chloride Guidance Levels for production wells and the Chloride Trigger Levels for monitor wells as described in the Plan that is incorporated by reference into this WUP. Information regarding compliance with chloride concentration trigger and guidance levels established in this permit shall be summarized in the annual report. (559)
9. Any wells not in use, and in which pumping equipment is not installed shall be capped or valved in a water tight manner in accordance with Chapter 62-532.500(3)(a)(4), F.A.C.(568)
10. Beginning January 1, 2012, the Permittee shall comply with the following requirements:
  - A. Customer billing period usage shall be placed on each utility-metered, customer's bill.
  - B. Meters shall be read and customers shall be billed no less frequently than bi-monthly.
  - C. The following information, as applicable to the customer, shall be provided at least once each calendar year and a summary of the provisions shall be provided to the District annually as described in Section D, below. The information shall be provided by postal mailings, bill inserts, online notices, on the bill or by other means. If billing units are not in gallons, a means to convert the units to gallons must be provided.
    1. To each utility-metered customer in each customer class - Information describing the rate structure and shall include any applicable:
      - a. Fixed and variable charges,
      - b. Minimum charges and the quantity of water covered by such charges,
      - c. Price block quantity thresholds and prices,
      - d. Seasonal rate information and the months to which they apply, and
      - e. Usage surcharges
    2. To each utility-metered single-family residential customer - Information that the customer can use to compare its water use relative to other single-family customers or to estimate an efficient use and that shall include one or more of the following:
      - a. The average or median single-family residential customer billing period water use calculated over the most recent three year period, or the most recent two year period if a three year period is not available to the utility. Data by billing period is preferred but not required.
      - b. A means to calculate an efficient billing period use based on the customer's characteristics, or
      - c. A means to calculate an efficient billing period use based on the service area's characteristics.
  - D. Annual Report: The following information shall be submitted to the District annually by October 1 of each year of the permit term to demonstrate compliance with the requirements above. The information shall be current as of the October 1 submittal date.
    1. Description of the current water rate structure (rate ordinance or tariff sheet) for potable and non-potable water.
    2. Description of the current customer billing and meter reading practices and any proposed changes to these practices (including a copy of a bill per A above).
    3. Description of the means the permittee uses to make their metered customers aware of rate structures, and how the permittee provides information their metered single-family residential customers can use to compare their water use relative to other single-family customers or estimate an efficient use (see C 1 & 2

above).  
(592)

11. This Permit is located within the Southern Water Use Caution Area (SWUCA). Pursuant to Section 373.0421, Florida Statutes, the SWUCA is subject to a minimum flows and levels recovery strategy, which became effective on January 1, 2007. The Governing Board may amend the recovery strategy, including amending applicable water use permitting rules based on an annual assessment of water resource criteria, cumulative water withdrawal impacts, and on a recurring five-year evaluation of the status of the recovery strategy up to the year 2025 as described in Chapter 40D-80, Florida Administrative Code. This Permit is subject to modification to comply with new rules.(652)
12. The Permittee shall maintain a water conserving rate structure for the duration of the permit term. Any changes to the water conserving rate structure described in the application shall be described in detail as a component of the next Annual Report on Water Rate, Billing and Meter Reading Practices of the year following the change. (659)
13. The Permittee shall submit a "Water Use Annual Report" to the District by April 1 of each year on their water use during the preceding calendar year using the form, "Public Supply Water Use Annual Report Form" (Form No. LEG-R.023.00 (09/09)), referred to in this condition as "the Form," and all required attachments and documentation. The Permittee shall adhere to the "Instructions for Completion of the Water Use Annual Report" attached to and made part of this condition in Exhibit B. The Form addresses the following components in separate sections.

#### **Per Capita Use Rate**

A per capita rate for the previous calendar year will be calculated as provided in Part A of the Form using Part C of the Form to determine Significant Use deduction that may apply. Permittees that cannot achieve a per capita rate of 150 gpd according to the time frames included in the "Instructions for Completion of the Water Use Annual Report," shall include a report on why this rate was not achieved, measures taken to comply with this requirement, and a plan to bring the permit into compliance.

#### **Residential Use**

Residential use shall be reported in the categories specified in Part B of the Form, and the methodology used to determine the number of dwelling units by type and their quantities used shall be documented in an attachment.

#### **Non-Residential Use**

Non-residential use quantities provided for use in a community but that are not directly associated with places of residence, as well as the total water losses that occur between the point of output of the treatment plant and accountable end users, shall be reported in Part B of the Form.

#### **Water Conservation**

In an attachment to the Form, the Permittee shall describe the following:

1. Description of any ongoing audit program of the water treatment plant and distribution systems to address reductions in water losses.
2. An update of the water conservation plan that describes and quantifies the effectiveness of measures currently in practice, any additional measures proposed to be implemented, the scheduled implementation dates, and an estimate of anticipated water savings for each additional measure.
3. A description of the Permittees implementation of water-efficient landscape and irrigation codes or ordinances, public information and education programs, water conservation incentive programs, identification of which measures and programs, if any, were derived from the Conserve Florida Water Conservation Guide, and provide the projected costs of the measures and programs and the projected water savings.

#### **Water Audit**

If the current water loss rate is greater than 10% of the total distribution quantities, a water audit as described in the "Instructions for Completion of the Water Use Annual Report" shall be conducted and completed by the following July 1, with the results submitted by the following October 1. Indicate on Part A of the Form whether the water audit was done, will be done, or is not applicable.

#### **Alternative Water Supplied Other Than Reclaimed Water**

If the Permittee provides Alternative Water Supplies other than reclaimed water (e.g., stormwater not treated for potable use) to customers, the information required on Part D of the Form shall be submitted along with an

attached map depicting the areas of current Alternative Water Use service and areas that are projected to be added within the next year.

### **Suppliers of Reclaimed Water**

1. Permittees having a wastewater treatment facility with an annual average design capacity equal to or greater than 100,000 gpd:

The Permittee shall submit the "SWFWMD Annual Reclaimed Water Supplier Report" on quantities of reclaimed water that was provided to customers during the previous fiscal year (October 1 to September 30). The report shall be submitted in Excel format on the Compact Disk, Form No. LEG-R.026.00 (05/09), that will be provided annually to them by the District. A map depicting the area of reclaimed water service that includes any areas projected to be added within the next year, shall be submitted with this report.

2. Permittees that have a wastewater treatment facility with an annual average design capacity less than 100,000 gpd:

a. The Permittee has the option to submit the "SWFWMD Annual Reclaimed Water Supplier Report," Form No. LEG-R.026.00, as described in sub-part (1) above, or

b. Provide information on reclaimed water supplied to customers on Part E of the Form as described in the "Instructions for Completion of the Water Use Annual Report"

### **Updated Service Area Map**

If there have been changes to the service area since the previous reporting period, the Permittee shall update the service area using the map that is maintained in the District's Mapping and GIS system.

(660)

14. The Permittee is encouraged to demonstrate that beneficial reuse of treated effluent is maximized so that 50% or more of the total annual treated effluent flow is beneficially reused. The calculation of the percentage beneficially reused will be based on the Permittee's wastewater treatment plants that have a capacity of 0.5 million gallons per day or greater. Beneficial reuse includes:
  - A. Landscape irrigation of golf courses, playing fields, cemeteries, parks, playgrounds, school yards, retail nurseries and commercial, industrial and residential properties.
  - B. Agricultural irrigation of food, fiber, fodder and seed crops, wholesale nurseries, "cut flowers," sod farms and improved pastures.
  - C. Groundwater recharge where such recharge results in environmental or water supply benefit.
  - D. Industrial uses for cooling water, process water and wash waters.
  - E. Wetlands restoration.
  - F. Fire protection.
  - G. Environmental enhancement, including discharges to surface waters to replace withdrawals.
  - H. Other useful purposes accepted by the District or allowed under a DEP permit pursuant to Chapter 62-610, F.A.C.(993)
15. Within 90 days of completion of production well DID No. 79, the Permittee shall submit a report summarizing the water quality, water levels, step-drawdown analysis, bacterial analysis, and any other information collected by the Permittee (pump and well specifications, video logs, etc.).(992)
16. The following proposed withdrawal facilities shall be metered within 90 days of completion of construction of the facilities: District ID No. 79, Permittee ID No. RO-8E. Meter reading and reporting, as well as meter accuracy checks every five years shall be in accordance with instructions in Exhibit B, Metering Instructions, attached to and made part of this permit.(718)
17. The Permittee shall undertake wellfield rotation as described in the Plan, and shall incorporate District ID No. 79, Permittee ID No. RO-8E, into the Plan upon placing this production well into full service. The Permittee will also continue to evaluate the potential need for dispersion of pumpage to decrease any adverse effects of wellfield pumpage on water quality as identified according to the Wellfield Management Plan. The Permittee will also exercise good faith in negotiating additional production well sites on future annexed parcels east of Pinebrook Road for potential wellfield dispersion purposes. The Permittee shall also continue to exercise good faith in negotiating additional monitor well sites on future annexed parcels.(990)
18. A. The Permittee shall continue to maintain the monitor well(s) or piezometer(s) listed below, monitor water levels, and report them to the District at the frequency listed for the interval, aquifer system, or geologic formation listed. Water levels shall be recorded relative to National Geodetic Vertical Datum 1929 and to the maximum extent possible, recorded on a regular schedule: same time each day, same day each week, same week each month as appropriate to the frequency noted. The readings shall be reported online via the WUP
 

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Portal at the District website (www.watermatters.org) or mailed in hardcopy on District-provided forms to the Permit Data Section, Performance Management Office on or before the tenth day of the following month. The frequency of recording may be modified by the Regulation Department Director, Resource Regulation, as necessary to ensure the protection of the resource.

**District ID No. 113, Permittee ID No. SG-PZ1**, to monitor PZ-1 (Intermediate Aquifer System) on a monthly basis.

**District ID Nos. 38, 102, 103, 104, 106, 108 and 109, Permittee ID Nos. 38, Island-1, Island-2, Island-3-PZ-2, AFR-PZ-2, EWF-N and EWF-E**, to monitor PZ-2 (Intermediate Aquifer System) on a monthly basis.

**District ID Nos. 37, 60, 105, 107 and 111, Permittee ID Nos. RO-6, IM-1, Island-3-PZ3, AFR-PZ-3 and SG-PZ3B**, to monitor PZ-3 (Intermediate Aquifer System) on a monthly basis.

**District ID No. 58, Permittee ID No. OBW-2**, to monitor the Upper Floridan Aquifer on a monthly basis.

B. Water level data and changes to recording frequency during the annual reporting period shall be summarized in the annual wellfield report.

(756)

19. The following withdrawal facilities shall continue to be maintained and operated with existing, non-resettable, totalizing flow meter(s) or other measuring device(s) as approved by the Regulation Department Director: District ID Nos. 33, 34, 35, 49, 50, 51, 52, 54, 55, 56, 57, 65, 77 and 78, Permittee ID Nos. RO-2, RO-3, RO-4, RO-2A, RO-8, RO-7, RO-1E, RO-2E, RO-3E, RO-4E, RO-5E, RO-1A, RO-6E and RO-7E. Meter reading and reporting, as well as meter accuracy checks every five years shall be in accordance with instructions in Exhibit B, Metering Instructions, attached to and made part of this permit.(719)

20. Water quality samples shall be collected during reverse air drilling of the ground water wells listed below for the parameters and at the depth intervals specified below. Other appropriate methods of drilling that allow representative samples for each depth specified below to be collected may be used with prior approval by the Regulation Department Director, Resource Regulation. The Permittee's sampling procedure shall follow the handling and chain of custody procedures designated by the certified laboratory which will undertake the analysis. The results of the sampling program shall be due within 30 days of the completion of the construction of the well. For sampling, analysis and submittal requirements, see Exhibit B, attached to and made part of this permit.

District ID No. 79, Permittee ID No. RO-8E for chlorides, sulfates, and TDS, at intervals of 10 feet or less, from the bottom of casing to a maximum depth of 5 feet above the bottom of the well.

(753)

21. Water quality samples from monitor sites listed below shall be collected as described in the Wellfield Management Plan documents submitted on November 4, 2008, in support of the permit application for the water use and analyzed for the parameter(s) indicated at the frequency specified in the table below. For analysis and submittal requirements see Exhibit B, Water Quality Sampling Instructions, attached to and made part of this permit.

District ID Nos. 37, 38, 58, 60, 102, 103, 104, 105, 106, 107, 108, 109, 111 and 113, Permittee ID Nos. RO-6, 38, OBW-2, IM-1, Island-1, Island-2, Island-3-PZ-2, Island-3-PZ-3, AFR-PZ-2, AFR-PZ-3, EWF-N, EWF-E, SGI-PZ3B and SG-PZ1 for chlorides, sulfates and TDS, on a monthly basis.(751)

22. By **January 15, 2019**, the Permittee shall submit a compliance report that demonstrates reasonable assurance that the permitted withdrawals and use of water continue to meet the conditions for permit issuance set forth in Rule 40D-2 and the Basis of Review for Water Use Permits. The compliance report must include:

- A. information documenting water demands and updated demand projections demonstrating that allocations from all sources in the permit will continue to be needed for the remainder of the permit duration;
- B. documentation verifying that the sources are capable of supplying the needs authorized by this permit without causing harm to water and water-related resources;
- C. documentation verifying that use of water is efficient and that the permittee is implementing all feasible water conservation measures;
- D. an updated groundwater modeling analysis and data analysis demonstrating that the use of groundwater for



public supply does not interfere with legal uses existing at the time of permit issuance;

E. an updated groundwater modeling analysis, along with statistical analyses of water level and wetland monitoring data, demonstrating that the use does not cause adverse impacts to wetlands, springs, and surface waters, or violations of MFLs;

F. documentation that groundwater withdrawals by the permittee are not causing or contributing to significant saltwater intrusion, including but not limited to review and statistical analysis of groundwater level and water quality data collected by the permittee under this permit;

G. information demonstrating that the lowest quality source of water, including reclaimed water, is being used to meet water demands within the service area;

H. information demonstrating that the permittee is implementing feasible options to maximize the efficient reuse of reclaimed water to meet irrigation, commercial and industrial needs, by providing it either to utility customers or to other users, including detailed information concerning the status of all existing and proposed reuse projects.

Following review of this report, the District may modify the permit to ensure that the use meets the conditions for issuance.

(766)

23. Water quality samples from the withdrawal points listed below shall be collected after pumping the withdrawal point at its normal rate for a pumping time specified below, or to a constant temperature, pH, and conductivity. The frequency of sampling per water quality parameter is listed in the table according to the withdrawal point. The recording and reporting shall begin according to the first sample date for existing wells and shall begin within 90 days of completion of any proposed wells. Samples shall be collected whether or not the well is being used unless infeasible. If sampling is infeasible, the Permittee shall indicate the reason for not sampling on the water quality data form or in the space for comments in the WUP Portal for data submissions. For sampling, analysis and submittal requirements see Exhibit B, Water Quality Sampling Instructions, attached to and made part of this permit.

Existing District ID Nos. 33, 34, 35, 49, 50, 51, 52, 54, 55, 56, 57, 65, 77 and 78, Permittee ID Nos. RO-2, RO-3, RO-4, RO-2A, RO-8, RO-7, RO-1E, RO-2E, RO-3E, RO-4E, RO-5E, RO-1A, RO-6E and RO-7E for chlorides, sulfates and TDS, after a minimum pumping time of 40 minutes, on a monthly basis.

Proposed District ID No. 79, Permittee ID No. RO-8E, for chlorides, sulfates and TDS, after a minimum pumping time of 40 minutes, on a monthly basis, with first analyzed sample due within 90 days of completion of the withdrawal point or per the first reporting period as given in Exhibit B after completion of the monitor site.

(752)

24. The compliance per capita daily water use rate shall be no greater than 90.3 gallons per day (gpd). The Permittee shall calculate the compliance per capita rate as described in the Annual Report Condition on this permit and shall submit the calculations with the Annual Report by April 1 of each year. If the compliance per capita rate is greater than 90.3 gpd, the Permittee shall submit a report that documents why this rate was exceeded, measures previously or currently taken to reduce their compliance per capita rate, and a plan that describes additional measures and implementation dates for those measures to bring their compliance per capita rate to or below 90.3 gpd. This report shall be submitted with the Annual Report by April 1 for each year the compliance per capita rate exceeds 90.3 gpd. This report is subject to District approval. Justification for exceeding the adjusted gross per capita rate does not constitute a waiver of the District's authority to enforce the terms and conditions of the permit.

(767)

25. By **January 1, 2018**, the Permittee shall complete a detailed study for District approval regarding the technical, environmental, and economic feasibility of increasing current reverse osmosis water treatment efficiency rates (i.e., increased recovery rates). The goal of the study will be to assess the necessary steps, costs, and potential outcomes related to increasing water treatment efficiency to the highest degree feasible, with a target efficiency of 75% or greater by the end of the permit duration. The study shall include:

A. Review and analysis of source water chemistry and treatment issues such as precipitation of elevated concentrations of calcium carbonate, calcium sulfate, and other elements that could cause irreversible fouling and damage to the membranes.

B. Review and analysis of new membrane separation and other technologies that have emerged since the Permittee last invested in its current water quality treatment system, including the use of improved scale inhibitors and new membrane technologies.

- C. Modeling and full scale testing necessary to determine technical feasibility.
- D. An assessment of how increases in treatment efficiency will affect the Permittee's ability to continue its existing surface water discharge under its current National Pollution Discharge Elimination System (NPDES) permit, or whether a modified NPDES permit could be attained for such discharges.
- E. Identification of whether a feasible opportunity exists to dispose of RO concentrate through a deep injection well (in the event that surface discharges would no longer be permissible as determined under item "D"). This should include an exploration of opportunities to partner with other nearby local governments in sharing existing or new deep injection wells.
- F. An assessment of anticipated infrastructure and labor costs necessary to achieve an increase in water treatment efficiency and the approximate timeframe required for implementation.

The report will describe and detail pertinent economic, technical and environmental considerations that contribute to the Permittee's determination of feasibility. Should it be determined that it is feasible to increase the water treatment efficiency, the Permittee shall identify the anticipated treatment efficiency rate and provide a proposed schedule for implementation.

Nothing in this condition is intended to preclude the Permittee from requesting District cooperative funding for the feasibility study described above.(994)

- 26. The Permittee will continue to monitor water quality at the domestic wells identified in the Wellfield Management Plan. At a minimum, samples will be collected on an annual basis for laboratory analysis of chlorides, sulfates and TDS. The information obtained through the domestic monitor well monitoring network shall be used in the event that a water quality related complaint is received by the District or the Permittee, to determine if pumpage from the wellfields is responsible for a change in water quality, or if the Permittee has requested a modification of the chloride concentration trigger levels. Results of the annual sampling of domestic wells shall be included in the Permittee's annual wellfield report.(991)
- 27. Permittees having their own wastewater treatment plant that generate at least advanced-secondary treated effluent (high-level disinfection, as described in Rule 62-600.440(5), F.A.C.) to the minimum FDEP requirements for public access reuse shall respond in a timely manner to inquiries about availability from water use permit applicants for water uses where such reclaimed water is appropriate. If reclaimed water is or will be available to that permit applicant within the next six years, the Permittees shall provide a cost estimate for connection to the applicant.(674)

40D-2  
Exhibit A

**WATER USE PERMIT STANDARD CONDITIONS**

1. The Permittee shall provide access to an authorized District representative to enter the property at any reasonable time to inspect the facility and make environmental or hydrologic assessments. The Permittee shall either accompany District staff onto the property or make provision for access onto the property.
2. When necessary to analyze impacts to the water resource or existing users, the District shall require the Permittee to install flow metering or other measuring devices to record withdrawal quantities and submit the data to the District.
3. The District shall collect water samples from any withdrawal point listed in the permit or shall require the permittee to submit water samples when the District determines there is a potential for adverse impacts to water quality.
4. A District identification tag shall be prominently displayed at each withdrawal point that is required by the District to be metered or for which withdrawal quantities are required to be reported to the District, by permanently affixing the tag to the withdrawal facility.
5. The Permittee shall mitigate to the satisfaction of the District any adverse impact to environmental features or off-site land uses as a result of withdrawals. When adverse impacts occur or are imminent, the District shall require the Permittee to mitigate the impacts. Adverse impacts include the following:
  - A. Significant reduction in levels or flows in water bodies such as lakes, impoundments, wetlands, springs, streams or other watercourses; or
  - B. Sinkholes or subsidence caused by reduction in water levels;
  - C. Damage to crops and other vegetation causing financial harm to the owner; and
  - D. Damage to the habitat of endangered or threatened species.
6. The Permittee shall mitigate, to the satisfaction of the District, any adverse impact to existing legal uses caused by withdrawals. When adverse impacts occur or are imminent, the District shall require the Permittee to mitigate the impacts. Adverse impacts include the following:
  - A. A reduction in water levels which impairs the ability of a well to produce water;
  - B. Significant reduction in levels or flows in water bodies such as lakes, impoundments, wetlands, springs, streams or other watercourses; or
  - C. Significant inducement of natural or manmade contaminants into a water supply or into a usable portion of an aquifer or water body.
7. Notwithstanding the provisions of Rule 40D-1.6105, F.A.C., persons who wish to continue the water use permitted herein and who have acquired ownership or legal control of permitted water withdrawal facilities or the land on which the facilities are located must apply to transfer the permit to themselves within 45 days of acquiring ownership or legal control of the water withdrawal facilities or the land.
8. If any of the statements in the application and in the supporting data are found to be untrue and inaccurate, or if the Permittee fails to comply with all of the provisions of Chapter 373, Florida Statutes (F.S.), Chapter 40D, Florida Administrative Code (F.A.C.), or the conditions set forth herein, the Governing Board shall revoke this permit in accordance with Rule 40D-2.341, F.A.C., following notice and hearing.
9. Issuance of this permit does not exempt the Permittee from any other District permitting requirements.
10. The Permittee shall cease or reduce surface water withdrawal as directed by the District if water levels in lakes fall below the applicable minimum water level established in Chapter 40D-8, F.A.C., or rates of flow in streams fall below the minimum levels established in Chapter 40D-8, F.A.C.
11. The Permittee shall cease or reduce withdrawal as directed by the District if water levels in aquifers fall below the minimum levels established by the Governing Board.
12. The Permittee shall not deviate from any of the terms or conditions of this permit without written approval by the District.

13. The Permittee shall practice water conservation to increase the efficiency of transport, application, and use, as well as to decrease waste and to minimize runoff from the property. At such time as the Governing Board adopts specific conservation requirements for the Permittee's water use classification, this permit shall be subject to those requirements upon notice and after a reasonable period for compliance.
14. The District may establish special regulations for Water-Use Caution Areas. At such time as the Governing Board adopts such provisions, this permit shall be subject to them upon notice and after a reasonable period for compliance.
15. In the event the District declares that a Water Shortage exists pursuant to Chapter 40D-21, F.A.C., the District shall alter, modify, or declare inactive all or parts of this permit as necessary to address the water shortage.
16. This permit is issued based on information provided by the Permittee demonstrating that the use of water is reasonable and beneficial, consistent with the public interest, and will not interfere with any existing legal use of water. If, during the term of the permit, it is determined by the District that the use is not reasonable and beneficial, in the public interest, or does impact an existing legal use of water, the Governing Board shall modify this permit or shall revoke this permit following notice and hearing.
17. Within the SWUCA, if the District determines that significant water quantity or quality changes, impacts to existing legal uses, or adverse environmental impacts are occurring, the permittee shall be provided with a statement of facts upon which the District based its determination and an opportunity to address the change or impact prior to a reconsideration by the Board of the quantities permitted or other conditions of the permit.
18. All permits issued pursuant to these Rules are contingent upon continued ownership or legal control of all property on which pumps, wells, diversions or other water withdrawal facilities are located.

Exhibit B  
Instructions

METERING INSTRUCTIONS

The Permittee shall meter withdrawals from surface waters and/or the ground water resources, and meter readings from each withdrawal facility shall be recorded on a monthly basis within the last week of the month. The meter reading(s) shall be reported to the Permit Data Section, Performance Management Office on or before the tenth day of the following month. The Permittee shall submit meter readings online using the Permit Information Center at [www.swfwmd.state.fl.us/permits/epermitting/](http://www.swfwmd.state.fl.us/permits/epermitting/) or on District supplied scanning forms unless another arrangement for submission of this data has been approved by the District. Submission of such data by any other unauthorized form or mechanism may result in loss of data and subsequent delinquency notifications. Call the Performance Management Office in Brooksville (352-796-7211) if difficulty is encountered.

The meters shall adhere to the following descriptions and shall be installed or maintained as follows:

1. The meter(s) shall be non-resettable, totalizing flow meter(s) that have a totalizer of sufficient magnitude to retain total gallon data for a minimum of the three highest consecutive months permitted quantities. If other measuring device(s) are proposed, prior to installation, approval shall be obtained in writing from the Regulation Department Director.
2. The Permittee shall report non-use on all metered standby withdrawal facilities on the scanning form or approved alternative reporting method.
3. If a metered withdrawal facility is not used during any given month, the meter report shall be submitted to the District indicating the same meter reading as was submitted the previous month.
4. The flow meter(s) or other approved device(s) shall have and maintain an accuracy within five percent of the actual flow as installed.
5. Meter accuracy testing requirements:
  - A. For newly metered withdrawal points, the flow meter installation shall be designed for inline field access for meter accuracy testing.
  - B. The meter shall be tested for accuracy on-site, as installed according to the Flow Meter Accuracy Test Instructions in this Exhibit B, every five years in the assigned month for the county, beginning from the date of its installation for new meters or from the date of initial issuance of this permit containing the metering condition with an accuracy test requirement for existing meters.
  - C. The testing frequency will be decreased if the Permittee demonstrates to the satisfaction of the District that a longer period of time for testing is warranted.
  - D. The test will be accepted by the District only if performed by a person knowledgeable in the testing equipment used.
  - E. If the actual flow is found to be greater than 5% different from the measured flow, within 30 days, the Permittee shall have the meter re-calibrated, repaired, or replaced, whichever is necessary. Documentation of the test and a certificate of re-calibration, if applicable, shall be submitted within 30 days of each test or re-calibration.
6. The meter shall be installed according to the manufacturer's instructions for achieving accurate flow to the specifications above, or it shall be installed in a straight length of pipe where there is at least an upstream length equal to ten (10) times the outside pipe diameter and a downstream length equal to two (2) times the outside pipe diameter. Where there is not at least a length of ten diameters upstream available, flow straightening vanes shall be used in the upstream line.
7. Broken or malfunctioning meter:
  - A. If the meter or other flow measuring device malfunctions or breaks, the Permittee shall notify the District within 15 days of discovering the malfunction or breakage.
  - B. The meter must be replaced with a repaired or new meter, subject to the same specifications given above, within 30 days of the discovery.
  - C. If the meter is removed from the withdrawal point for any other reason, it shall be replaced with another meter having the same specifications given above, or the meter shall be reinstalled within 30 days of its removal from the withdrawal. In either event, a fully functioning meter shall not be off the withdrawal point for more than 60 consecutive days.



8. While the meter is not functioning correctly, the Permittee shall keep track of the total amount of time the withdrawal point was used for each month and multiply those minutes times the pump capacity (in gallons per minute) for total gallons. The estimate of the number of gallons used each month during that period shall be submitted on District scanning forms and noted as estimated per instructions on the form. If the data is submitted by another approved method, the fact that it is estimated must be indicated. The reason for the necessity to estimate pumpage shall be reported with the estimate.
9. In the event a new meter is installed to replace a broken meter, it and its installation shall meet the specifications of this condition. The permittee shall notify the District of the replacement with the first submittal of meter readings from the new meter.

#### FLOW METER ACCURACY TEST INSTRUCTIONS

1. **Accuracy Test Due Date** - The Permittee is to schedule their accuracy test according to the following schedule:
  - A. For existing metered withdrawal points, add five years to the previous test year, and make the test in the month assigned to your county.
  - B. For withdrawal points for which metering is added for the first time, the test is to be scheduled five years from the issue year in the month assigned to your county.
  - C. For proposed withdrawal points, the test date is five years from the completion date of the withdrawal point in the month assigned to your county.
  - D. For the Permittee's convenience, if there are multiple due-years for meter accuracy testing because of the timing of the installation and/or previous accuracy tests of meters, the Permittee can submit a request in writing to the Permitting Department Director for one specific year to be assigned as the due date year for meter testing. Permittees with many meters to test may also request the tests to be grouped into one year or spread out evenly over two to three years.
  - E. The months for accuracy testing of meters are assigned by county. The Permittee is requested but not required to have their testing done in the month assigned to their county. This is to have sufficient District staff available for assistance.

January	Hillsborough
February	Manatee, Pasco
March	Polk (for odd numbered permits)*
April	Polk (for even numbered permits)*
May	Highlands
June	Hardee, Charlotte
July	None or Special Request
August	None or Special Request
September	Desoto, Sarasota
October	Citrus, Levy, Lake
November	Hernando, Sumter, Marion
December	Pinellas

\* The permittee may request their multiple permits be tested in the same month.

2. **Accuracy Test Requirements:** The Permittee shall test the accuracy of flow meters on permitted withdrawal points as follows:
  - A. The equipment water temperature shall be set to 72 degrees Fahrenheit for ground water, and to the measured water temperature for other water sources.
  - B. A minimum of two separate timed tests shall be performed for each meter. Each timed test shall consist of measuring flow using the test meter and the installed meter for a minimum of four minutes duration. If the two tests do not yield consistent results, additional tests shall be performed for a minimum of eight minutes or longer per test until consistent results are obtained.
  - C. If the installed meter has a rate of flow, or large multiplier that does not allow for consistent results to be obtained with four- or eight-minute tests, the duration of the test shall be increased as necessary to obtain accurate and consistent results with respect to the type of flow meter installed.
  - D. The results of two consistent tests shall be averaged, and the result will be considered the test result for the meter being tested. This result shall be expressed as a plus or minus percent (rounded to the nearest one-tenth percent) accuracy of the installed meter relative to the test meter. The percent accuracy indicates the deviation (if any), of the meter being tested from the test meter.

3. **Accuracy Test Report:** The Permittees shall demonstrate that the results of the meter test(s) are accurate by submitting the following information within 30 days of the test:
- A. A completed Flow Meter Accuracy Verification Form, Form LEG-R.014.00 (07/08) for each flow meter tested. This form can be obtained from the District's website ([www.watermatters.org](http://www.watermatters.org)) under "Permits and Rules" for Water Use Permits.
  - B. A printout of data that was input into the test equipment, if the test equipment is capable of creating such a printout;
  - C. A statement attesting that the manufacturer of the test equipment, or an entity approved or authorized by the manufacturer, has trained the operator to use the specific model test equipment used for testing;
  - D. The date of the test equipment's most recent calibration that demonstrates that it was calibrated within the previous twelve months, and the test lab's National Institute of Standards and Testing (N.I.S.T.) traceability reference number.
  - E. A diagram showing the precise location on the pipe where the testing equipment was mounted shall be supplied with the form. This diagram shall also show the pump, installed meter, the configuration (with all valves, tees, elbows, and any other possible flow disturbing devices) that exists between the pump and the test location clearly noted with measurements. If flow straightening vanes are utilized, their location(s) shall also be included in the diagram.
  - F. A picture of the test location, including the pump, installed flow meter, and the measuring device, or for sites where the picture does not include all of the items listed above, a picture of the test site with a notation of distances to these items. with a notation of distances to these items.

#### WATER QUALITY INSTRUCTIONS

The Permittee shall perform water quality sampling, analysis and reporting as follows:

1. The sampling method(s) from both monitor wells and surface water bodies shall be designed to collect water samples that are chemically representative of the zone of the aquifer or the depth or area of the water body.
2. Water quality samples from monitor wells shall be taken after pumping the well for the minimum time specified (if specified) or after the water reaches a constant temperature, pH, and conductivity.
3. The first submittal to the District shall include a copy of the laboratory's analytical and chain of custody procedures. If the laboratory used by the Permittee is changed, the first submittal of data analyzed at the new laboratory shall include a copy of the laboratory's analytical and chain of custody procedures.
4. Any variance in sampling and/or analytical methods shall have prior approval of the Regulation Department Director, Resource Regulation.
5. The Permittee's sampling procedure shall follow the handling and chain of custody procedures designated by the certified laboratory which will undertake the analysis.
6. Water quality samples shall be analyzed by a laboratory certified by the Florida Department of Health utilizing the standards and methods applicable to the parameters analyzed and to the water use pursuant to Chapter 64E-1, Florida Administrative Code, "Certification of Environmental Testing Laboratories."
7. Analyses shall be performed according to procedures outlined in the current edition of Standard Methods for the Examination of Water and Wastewater by the American Public Health Association-American Water Works Association-Water Pollution Control Federation (APHA-AWWA-WPCF) or Methods for Chemical Analyses of Water and Wastes by the U.S. Environmental Protection Agency (EPA).
8. Unless other reporting arrangements have been approved by the Regulation Department Director, Resource Regulation, reports of the analyses shall be submitted to the Permit Data Section, Strategic Programs Office Department, online at the District WUP Portal or mailed in hardcopy on or before the tenth day of the following month. The online submittal shall include a scanned upload of the original laboratory report. The hardcopy submittal shall be a copy of the laboratory's analysis form. If for some reason, a sample cannot be taken when required, the Permittee shall indicate so and give the reason in the space for comments at the WUP Portal or shall submit the reason in writing on the regular due date.
9. Water quality samples shall be collected based on the following timetable for the frequency listed in the special condition:
10. The parameters and frequency of sampling and analysis may be modified by the District as necessary to ensure the protection of the resource.

<u>Frequency</u>	<u>Timetable</u>
Weekly	Same day of each week
Quarterly	Same week of <b>February, May, August, November</b>
Semi-annually	Same week of <b>May, November</b>
Monthly	Same week of each month

### WELL CONSTRUCTION INSTRUCTIONS

All wells proposed to be constructed shall be drilled and constructed as specified below:

1. All well casing (including liners and/or pipe) must be sealed to the depth specified in the permit condition.
2. The proposed well(s) shall be constructed of materials that are resistant to degradation of the casing/grout due to interaction with the water of lesser quality. A minimum grout thickness of two (2) inches is required on wells four (4) inches or more in diameter.
3. A minimum of twenty (20) feet overlap and two (2) centralizers is required for Public Supply wells and all wells six (6) inches or more in diameter.
4. Any variation from estimated, maximum or minimum total depths; maximum or minimum casing depths; well location or casing diameter specified in the condition requires advanced approval by the Regulation Department Director, Resource Regulation, or the Supervisor of the Well Construction Permitting Section in Brooksville.
5. The Permittee is notified that a proposal to significantly change any of these well construction specifications may require permit modification if the District determines that such a change would result in significantly greater withdrawal impacts than those considered for this Permit.
6. The finished well casing depth shall not vary from these specifications by greater than ten (10) percent unless advance approval is granted by the Regulation Department Director, Resource Regulation, or the Well Construction Regulation Manager in Brooksville.

### ANNUAL REPORT SUBMITTAL INSTRUCTIONS

The "Public Supply Water Use Annual Report Form" (Form No. LEG-R.023.00 (01/09)), is designed to assist the Permittee with the annual report requirements, but the final authority for what must be included in the Water Use Annual Report is in this condition and in these instructions. Two identical copies of the "Public Supply Water Use Annual Report Form" and two identical copies of all required supporting documentation shall be included if submitted in hard copy. "Identical copy" in this instance means that if the original is in color, then all copies shall also be printed in color. If submitted electronically, only one submittal is required; however, any part of the document that is in color shall be scanned in color.

1. **Per Capita Use Rate** - A per capita rate for the previous calendar year will be progressively calculated until a rate of 150 gpd per person or less is determined whether it is the unadjusted per capita, adjusted per capita, or compliance per capita. The calculations shall be performed as shown in Part A of the Form. The Permittee shall refer to and use the definitions and instructions for all components as provided on the Form and in Part B, Chapter 3, Section 3.6 of the "Water Use Permit Information Manual." Permittees that have interconnected service areas and receive an annual average quantity of 100,000 gpd or more from another permittee are to include these quantities as imported quantities. Permittees in the Southern Water Use Caution Area (SWUCA) or the Northern Tampa Bay Water Use Caution Area (NTBWUCA), as it existed prior to October 1, 2007, shall achieve a per capita of 150 gpd or less, and those in these areas that cannot achieve a compliance per capita rate of 150 gpd or less shall include a report on why this rate was not achieved, measures taken to comply with this requirement, and a plan to bring the permit into compliance. Permittees not in a Water Use Caution Area that cannot achieve a compliance per capita rate of 150 gpd or less by December 31, 2019 shall submit this same report in the Annual Report due April 1, 2020.
2. **Residential Use** - Residential water use consists of the indoor and outdoor water uses associated with each category of residential customer (single family units, multi-family units, and mobile homes), including irrigation uses, whether separately metered or not. The Permittee shall document the methodology used to determine the number of dwelling units by type and the quantities used. Estimates of water use based upon meter size will not be accepted. If mobile homes are included in the Permittees multi-family unit category, the information for them does not have to be separated. The information for each category shall include:
  - A. Number of dwelling units per category,
  - B. Number of domestic metered connections per category,
  - C. Number of metered irrigation connections.

- D. Annual average quantities in gallons per day provided to each category, and
  - E. Percentage of the total residential water use provided apportioned to each category.
3. **Non-Residential Use** - Non-residential use consists of all quantities provided for use in a community not directly associated with places of residence. For each category below, the Permittee shall include annual average gpd provided and percent of total non-residential use quantities provided. For each category 1 through 6 below, the number of metered connections shall be provided. These non-residential use categories are:
- A. Industrial/commercial uses, including associated lawn and landscape irrigation use,
  - B. Agricultural uses (e.g., irrigation of a nursery),
  - C. Recreation/Aesthetic, for example irrigation (excluding golf courses) of Common Areas, stadiums and school yards,
  - D. Golf course irrigation,
  - E. Fire fighting, system testing and other accounted uses,-
  - F. K-through-12 schools that do not serve any of the service area population, and
  - G. Water Loss as defined as the difference between the output from the treatment plant and accounted residential water use (B above) and the listed non-residential uses in this section.
4. **Water Audit** - The water audit report that is done because water losses are greater than 10% of the total distribution quantities shall include the following items:
- A. Evaluation of:
    - 1) leakage associated with transmission and distribution mains,
    - 2) overflow and leakage from storage tanks,
    - 3) leakage near service connections,
    - 4) illegal connections,
    - 5) description and explanations for excessive distribution line flushing (greater than 1% of the treated water volume delivered to the distribution system) for potability,
    - 6) fire suppression,
    - 7) un-metered system testing,
    - 8) under-registration of meters, and
    - 9) other discrepancies between the metered amount of finished water output from the treatment plant less the metered amounts used for residential and non-residential uses specified in Parts B and C above, and
  - B. A schedule for a remedial action-plan to reduce the water losses to below 10%.
5. **Alternative Water Supplied other than Reclaimed Water** - Permittees that provide Alternative Water Supplies other than reclaimed water (e.g., stormwater not treated for potable use) shall include the following on Part D of the Form:
- A. Description of the type of Alternative Water Supply provided,
  - B. County where service is provided,
  - C. Customer name and contact information,
  - D. Customer's Water Use Permit number (if any),
  - E. Customer's meter location latitude and longitude,
  - F. Meter ownership information,
  - G. General customer use category,
  - H. Proposed and actual flows in annual average gallons per day (gpd) per customer,
  - I. Customer cost per 1,000 gallons or flat rate information,
  - J. Delivery mode (e.g., pressurized or non-pressurized),
  - K. Interruptible Service Agreement (Y/N),
  - L. Month/year service began, and
  - M. Totals of monthly quantities supplied.
6. **Suppliers of Reclaimed Water** - Depending upon the treatment capacity of the Permittees wastewater treatment plant, the Permittee shall submit information on reclaimed water supplied as follows:
- A. Permittees having a wastewater treatment facility with an annual average design capacity equal to or greater than 100,000 gpd shall utilize the "SWFWMD Annual Reclaimed Water Supplier Report" in Excel format on the Compact Disk, Form No. LEG-R 026.00 (05/09). The "SWFWMD Annual Reclaimed Water Supplier Report" is described in Section 3 of Chapter 8, under the subheading "Reclaimed Water Supplier

Report” and is described in detail in Appendix A to Part B, Basis of Review of the “Water Use Permit Information Manual.”

- B. Permittees that have a wastewater treatment facility with an annual average design capacity less than 100,000 gpd can either utilize the “SWFWMD Annual Reclaimed Water Supplier Report,” Form No. LEG-R.026.00, as described in sub-part (1) above or provide the following information on Part E of the Form:

- 1) Bulk customer information:
  - a) Name, address, telephone number,
  - b) WUP number (if any),
  - c) General use category (residential, commercial, recreational, agricultural irrigation, mining),
  - d) Month/year first served,
  - e) Line size,
  - f) Meter information, including the ownership and latitude and longitude location,
  - g) Delivery mode (pressurized, non-pressurized).
- 2) Monthly flow in gallons per bulk customer.
- 3) Total gallons per day (gpd) provided for metered residential irrigation.
- 4) Disposal information:
  - a) Site name and location (latitude and longitude or as a reference to the service area map),
  - b) Contact name and telephone,
  - c) Disposal method, and
  - d) Annual average gpd disposed.

## Ross Morton

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Authorized Signature

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

This permit, issued under the provision of Chapter 373, Florida Statutes and Florida Administrative Code 40D-2, authorizes the Permittee to withdraw the quantities outlined above, and may require various activities to be performed by the Permittee as described in the permit, including the Special Conditions. The permit does not convey to the Permittee any property rights or privileges other than those specified herein, nor relieve the Permittee from complying with any applicable local government, state, or federal law, rule, or ordinance.



## Southwest Florida Water Management District

2379 Broad Street, Brooksville, Florida 34604-6899  
(352) 796-7211 or 1-800-423-1476 (FL only)  
SUNCOM 628-4150 TDD only 1-800-231-6103 (FL only)  
On the Internet at: [WaterMatters.org](http://WaterMatters.org)

An Equal  
Opportunity  
Employer

**Bartow Service Office**  
170 Century Boulevard  
Bartow, Florida 33830-7700  
(863) 534-1448 or  
1-800-492-7862 (FL only)

**Sarasota Service Office**  
6750 Fruitville Road  
Sarasota, Florida 34240-9711  
(941) 377-3722 or  
1-800-320-3503 (FL only)

**Tampa Service Office**  
7601 Highway 301 North  
Tampa, Florida 33637-6759  
(813) 985-7481 or  
1-800-836-0797 (FL only)

### NOTICING PACKET PUBLICATION INFORMATION

#### PLEASE SEE THE NEXT PAGE OF THIS NOTICE FOR A LIST OF FREQUENTLY ASKED QUESTIONS (FAQ)

The District's action regarding the issuance or denial of a permit, a petition or qualification for an exemption only becomes closed to future legal challenges from members of the public ("third parties"), if 1.) "third parties" have been properly notified of the District's action regarding the permit or exemption, and 2.) no "third party" objects to the District's action within a specific period of time following the notification.

Notification of "third parties" is provided through publication of certain information in a newspaper of general circulation in the county or counties where the proposed activities are to occur. Publication of notice informs "third parties" of their right to challenge the District's action. If proper notice is provided by publication, "third parties" have a 21-day time limit in which to file a petition opposing the District's action. A shorter 14-day time limit applies to District action regarding Environmental Resource Permits linked with an authorization to use Sovereign Submerged Lands. However, if no notice to "third parties" is published, there is no time limit to a party's right to challenge the District's action. The District has not published a notice to "third parties" that it has taken or intends to take final action on your application. If you want to ensure that the period of time in which a petition opposing the District's action regarding your application is limited to the time frames stated above, you must publish, at your own expense, a notice in a newspaper of general circulation. A copy of the Notice of Agency Action the District uses for publication and guidelines for publishing are included in this packet.

#### Guidelines for Publishing a Notice of Agency Action

1. Prepare a notice for publication in the newspaper. The District's Notice of Agency Action, included with this packet, contains all of the information that is required for proper noticing. However, you are responsible for ensuring that the form and **the content** of your notice comply with the applicable statutory provisions.
2. Your notice must be published in accordance with Chapter 50, Florida Statutes. A copy of the statute is enclosed.
3. Select a newspaper that is appropriate considering the location of the activities proposed in your application, and contact the newspaper for further information regarding their procedures for publishing.
4. You only need to publish the notice for one day.
5. Obtain an "affidavit of publication" from the newspaper after your notice is published.
6. Immediately upon receipt send the **ORIGINAL** affidavit to the District at the address below, for the file of record. **Retain a copy of the affidavit for your records.**

Southwest Florida Water Management District  
Records and Data Supervisor  
2379 Broad Street  
Brooksville, Florida 34604-6899

**Note:** If you are advertising a notice of the District's proposed action, and the District's final action is different, publication of an additional notice may be necessary to prevent future legal challenges. If you need additional assistance, please contact us at ext. 4360, at the Brooksville number listed above. **(Your question may be on the FAQ list).**



### FAQ ABOUT NOTICING

1. **Q.** Do I have to do this noticing, and what is this notice for?  
**A.** You do not have to do this noticing, unless you are issued a permit classified as an "Individual". You need to publish a notice if you want to ensure that a "third party cannot challenge the District's action on your permit, exemption, or petition at some future date. If you choose not to publish, there is no time limit to a third party's right to challenge the District's action.
2. **Q.** What do I need to send to the newspaper?  
**A.** The enclosed one page notice form entitled "Notice of Final Agency Action (or Proposed Agency Action) By The Southwest Florida Water Management District." You must fill in the blanks before sending it.
3. **Q.** Do I have to use the notice form, or can I make up my own form?  
**A.** You do not have to use our form. However, your notice must contain all information that is in the form.
4. **Q.** Do I send the newspaper the whole form (one page) or just the top portion that has blanks?  
**A.** Send the full page form which includes the **NOTICE OF RIGHTS** section on the bottom half.
5. **Q.** Do I type or print the information in the blanks? Or will the newspaper fill in the blanks?  
**A.** You are required to fill in the blanks on the form before sending it to the newspaper. Contact your selected newspaper for instructions on printing or typing the information in the blanks.
6. **Q.** The section 50.051, F.S. (enclosed) proof of publication form of uniform affidavit has blanks in the text. Do I fill in these blanks and send that to the newspaper?  
**A.** No. That section shows the affidavit the newspaper will send you. They will fill in the blanks.
7. **Q.** If someone objects, is my permit or exemption no good?  
**A.** If you publish a notice and a "third party" files a request for administrative hearing within the allotted time, the matter is referred to an administrative hearing. While the case is pending, generally, you may not proceed with activities under the challenged agency action. When the hearing is complete, the administrative law judge's (ALJ) recommendation is returned to the District Governing Board, and the Governing Board will take final action on the ALJ's recommendation. There is no time limit for a "third party" to object and file a request for administrative hearing if you do not publish a notice.
8. **Q.** I don't understand what I should put in the blanks on the Notice form?  
**A.**
  1. **County, Section/Township/Range, application No., permit No., proposed permit No., petition No., Exemption No., or permit inquiry No.** is on your Permit, Petition, Exemption, or Denial document.
  2. **Permit Type or Application Type** is Environmental Resource Permit, Water Use Permit, etc.
  3. **# of Acres** is the project acres. This is listed on the Environmental Resource Permit documents. For Water Use Permits, Exemptions, etc., you may put "Not Applicable" if unknown.
  4. **Rule or Statute reference** (Exemptions only). The rule and/or statute reference is at the top of page one in the reference line of the Exemption. For all others, put "Not Applicable" in this blank.
  5. **Type of Project** describes your project activity. Environmental Resource Permit = Agriculture, Commercial, Government, Industrial, Mining, Road Projects, Residential, Semi-Public or Water Quality Treatment. Water Use Permit = Agricultural (if irrigating, state that it is irrigation and specify what is being irrigated), Industrial Commercial, Recreation Aesthetic, Mining Dewatering, or Public Supply.
  6. **Project Name** is the name of your project, if applicable. If there is no project name, put "Not Applicable" in this blank.

**CHAPTER 50, FLORIDA STATUTES  
LEGAL AND OFFICIAL ADVERTISEMENTS**

<a href="#"><u>50.011</u></a>	Where and in what language legal notices to be published.
<a href="#"><u>50.021</u></a>	Publication when no newspaper in county.
<a href="#"><u>50.031</u></a>	Newspapers in which legal notices and process may be published.
<a href="#"><u>50.041</u></a>	Proof of publication; uniform affidavits required.
<a href="#"><u>50.051</u></a>	Proof of publication; form of uniform affidavit.
<a href="#"><u>50.061</u></a>	Amounts chargeable.
<a href="#"><u>50.071</u></a>	Court docket fund; service charges; publications.

**50.011 Where and in what language legal notices to be published.-**

Whenever by statute an official or legal advertisement or a publication, or notice in a newspaper has been or is directed or permitted in the nature of or in lieu of process, or for constructive service, or in initiating, assuming, reviewing, exercising or enforcing jurisdiction or power, or for any purpose, including all legal notices and advertisements of sheriffs and tax collectors, the contemporaneous and continuous intent and meaning of such legislation all and singular, existing or repealed, is and has been and is hereby declared to be and to have been, and the rule of interpretation is and has been, a publication in a newspaper printed and published periodically once a week or oftener, containing at least 25 percent of its words in the English language, entered or qualified to be admitted and entered as periodicals matter at a post office in the county where published, for sale to the public generally, available to the public generally for the publication of official or other notices and customarily containing information of a public character or of interest or of value to the residents or owners of property in the county where published, or of interest or of value to the general public.

**History.**-s. 2, ch. 3022, 1877; RS 1296; GS 1727; s. 1, ch. 5610, 1907; RGS 2942; s. 1, ch. 12104, 1927; CGL 4666, 4901; s. 1, ch. 63-387; s. 6, ch. 67-254; s. 21, ch. 99-2.

**Note.**-Former s. 49.01.

**50.021 Publication when no newspaper in county.**

When any law, or order or decree of court, shall direct advertisements to be made in any county and there be no newspaper published in the said county, the advertisement may be made by posting three copies thereof in three different places in said county, one of which shall be at the front door of the courthouse, and by publication in the nearest county in which a newspaper is published.

**History.**-RS 1297; GS 1728; RGS 2943; CGL 4667; s. 6, ch. 67-254.

**Note.**-Former s. 49.02.

**50.031 Newspapers in which legal notices and process may be published.**

No notice or publication required to be published in a newspaper in the nature of or in lieu of process of any kind, nature, character or description provided for under any law of the state, whether heretofore or hereafter enacted, and whether pertaining to constructive service, or the initiating, assuming, reviewing, exercising or enforcing jurisdiction or power, by any court in this state, or any notice of sale of property, real or personal, for taxes, state, county or municipal, or sheriff's, guardian's or administrator's or any sale made pursuant to any judicial order, decree or statute or any other publication or notice pertaining to any affairs of the state, or any county, municipality or other political subdivision thereof, shall be deemed to have been published in accordance with the statutes providing for such publication, unless the same shall have been published for the prescribed period of time required for such publication, in a newspaper which at the time of such publication shall have been in existence for 1 year and shall have been entered as periodicals matter at a post office in the county where published, or in a newspaper which is a direct successor of a newspaper which together have been so published; provided, however, that nothing herein contained shall apply where in any county there shall be no newspaper in existence which shall have been published for the length of time above prescribed. No legal publication of any kind, nature or description, as herein defined, shall be valid or binding or held to be in compliance with the statutes providing for such publication unless the same shall have been published in accordance with the provisions of this section. Proof of such publication shall be made by uniform affidavit.

**History.**-ss. 1-3, ch. 14830, 1931; CGL 1936 Supp. 4274(1); s. 7, ch. 22858, 1945; s. 6, ch. 67-254; s. 1, ch. 74-221; s. 22, ch. 99-2.

**Note.**-Former s. 49.03.

**50.041 Proof of publication; uniform affidavits required.**

(1) All affidavits of publishers of newspapers (or their official representatives) made for the purpose of establishing proof of publication of public notices or legal advertisements shall be uniform throughout the state.

(2) Each such affidavit shall be printed upon white bond paper containing at least 25 percent rag material and shall be 8.5 inches in width and of convenient length, not less than 5.5 inches. A white margin of not less than 2.5 inches shall be left at the right side of each affidavit form and upon or in this space shall be substantially pasted a clipping which shall be a true copy of the public notice or legal advertisement for which proof is executed.

(3) In all counties having a population in excess of 450,000 according to the latest official decennial census, in addition to the charges which are now or may hereafter be established by law for the publication of every official notice or legal advertisement, there may be a charge not to exceed \$2 for the preparation and execution of each such proof of publication or publisher's affidavit.

**History.**-s. 1, ch. 19290, 1939; CGL 1940 Supp. 4668(1); s. 1, ch. 63-49; s. 26, ch. 67-254; s. 1, ch. 76-58.

**Note.**-Former s. 49.04.

**50.051 Proof of publication; form of uniform affidavit.-**

The printed form upon which all such affidavits establishing proof of publication are to be executed shall be substantially as follows:

NAME OF NEWSPAPER  
Published (Weekly or Daily)  
(Town or City) (County) FLORIDA

STATE OF FLORIDA  
COUNTY OF \_\_\_\_\_:

Before the undersigned authority personally appeared \_\_\_\_\_, who on oath says that he or she is \_\_\_\_\_ of the \_\_\_\_\_, a \_\_\_\_\_ newspaper published at \_\_\_\_\_ in \_\_\_\_\_ County, Florida; that the attached copy of advertisement, being a \_\_\_\_\_ in the matter of \_\_\_\_\_ in the \_\_\_\_\_ Court, was published in said newspaper in the issues of \_\_\_\_\_.

Affiant further says that the said \_\_\_\_\_ is a newspaper published at \_\_\_\_\_, in said \_\_\_\_\_ County, Florida, and that the said newspaper has heretofore been continuously published in said \_\_\_\_\_ County, Florida, each \_\_\_\_\_ and has been entered as periodicals matter at the post office in \_\_\_\_\_, in said \_\_\_\_\_ County, Florida, for a period of 1 year next preceding the first publication of the attached copy of advertisement; and affiant further says that he or she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Sworn to and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ (year), by \_\_\_\_\_, who is personally known to me or who has produced (type of identification) as identification.

\_\_\_\_\_(Signature of Notary Public)\_\_\_\_\_

\_\_\_\_\_(Print, Type, or Stamp Commissioned Name of Notary Public)\_\_\_\_\_

\_\_\_\_\_(Notary Public)\_\_\_\_\_

**History.**-s. 2, ch. 19290, 1939; CGL 1940 Supp. 4668(2); s. 6, ch. 67-254; s. 1, ch. 93-62; s. 291, ch. 95-147.

**Note.**-Former s. 49.05.

**50.061 Amounts chargeable.-**

(1) The publisher of any newspaper publishing any and all official public notices or legal advertisements shall charge therefore the rates specified in this section without rebate, commission or refund.

(2) The charge for publishing each such official public notice or legal advertisement shall be 70 cents per square inch for the first insertion and 40 cents per square inch for each subsequent insertion, except that:

(a) In all counties having a population of more than 304,000 according to the latest official decennial census, the charge for publishing each such official public notice or legal advertisement shall be 80 cents per square inch for the first insertion and 60 cents per square inch for each subsequent insertion.

(b) In all counties having a population of more than 450,000 according to the latest official decennial census, the charge for publishing each such official public notice or legal advertisement shall be 95 cents per square inch for the first insertion and 75 cents per square inch for each subsequent insertion.

(3) Where the regular established minimum commercial rate per square inch of the newspaper publishing such official public notices or legal advertisements is in excess of the rate herein stipulated, said minimum commercial rate per square inch may be charged for all such legal advertisements or official public notices for each insertion, except that a governmental agency publishing an official public notice or legal advertisement may procure publication by soliciting and accepting written bids from newspapers published in the county, in which case the specified charges in this section do not apply.

(4) All official public notices and legal advertisements shall be charged and paid for on the basis of 6-point type on 6-point body, unless otherwise specified by statute.

(5) Any person violating a provision of this section, either by allowing or accepting any rebate, commission, or refund, commits a misdemeanor of the second degree, punishable as provided in s. [775.082](#) or s. [775.083](#).

(6) Failure to charge the rates prescribed by this section shall in no way affect the validity of any official public notice or legal advertisement and shall not subject same to legal attack upon such grounds.

**History.**-s. 3, ch. 3022, 1877; RS 1298; GS 1729; RGS 2944; s. 1, ch. 12215, 1927; CGL 4668; ss. 1, 2, 2A, 2B, ch. 20264, 1941; s. 1, ch. 23663, 1947; s. 1, ch. 57-160; s. 1, ch. 63-50; s. 1, ch. 65-569; s. 6, ch. 67-254; s. 15, ch. 71-136; s. 35, ch. 73-332; s. 1, ch. 90-279.

**Note.**-Former s. 49.06.

**50.0711 Court docket fund; service charges; publications.-**

(1) The clerk of the court in each county may establish a court docket fund for the purpose of paying the cost of publication of the fact of the filing of any civil case in the circuit court of the county by the style and of the calendar relating to such cases. This court docket fund shall be funded by \$1 mandatory court cost for all civil actions, suits, or proceedings filed in the circuit court of the county. The clerk shall maintain such funds separate and apart, and the proceeds from this court cost shall not be diverted to any other fund or for any purpose other than that established in this section. The clerk of the court shall dispense the fund to the designated record newspaper in the county on a quarterly basis.

(2) A newspaper qualified under the terms of s. 50.011 shall be designated as the record newspaper for such publication by an order of the majority of the judges in the judicial circuit in which such county is located, and such order shall be filed and recorded with the clerk of the circuit court for such county. The designated record newspaper may be changed at the end of any fiscal year of the county by a majority vote of the judges of the judicial circuit of the county ordering such change 30 days prior to the end of the fiscal year, notice of which order shall be given to the previously designated record newspaper.

(3) The publishers of any designated record newspapers receiving payment from this court docket fund shall publish, without additional charge, the fact of the filing of any civil case, suit, or action filed in such county in the circuit. Such publication shall be in accordance with a schedule agreed upon between the record newspaper and the clerk of the court in such county.

(4) The publishers of any designated record newspapers receiving revenues from the court docket fund established in subsection (1) shall, without charge, accept legal advertisements for the purpose of service of process by publication under s. 49.011(4), (10), and (11) when such publication is required of persons authorized to proceed as indigent persons under s. 57.081.

**History.**-s. 46, ch. 2004-265.

**NOTICE OF FINAL AGENCY ACTION BY  
THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT**

Notice is given that the District's Final Agency Action is approval of the \_\_\_\_\_ .  
(Permit Type)

on \_\_\_\_\_ acres to serve \_\_\_\_\_ known as \_\_\_\_\_ .  
(# of Acres) (Type of Project) (Project Name)

The project is located in \_\_\_\_\_ County, Section(s) \_\_\_\_\_ .  
(County Name) (Section)

Township \_\_\_\_\_ South, Range \_\_\_\_\_ East. The permit applicant  
(Township) (Range)

is \_\_\_\_\_ whose address is \_\_\_\_\_  
(name) (Address)

The permit No. is \_\_\_\_\_ .  
(Permit #)

The file(s) pertaining to the project referred to above is available for inspection Monday through Friday except for legal holidays, 8:00 a.m. to 5:00 p.m., at the Southwest Florida Water Management District  
(District) \_\_\_\_\_ .  
(Address of District Office issuing Permit)

**NOTICE OF RIGHTS**

Any person whose substantial interests are affected by the District's action regarding this permit may request an administrative hearing in accordance with Sections 120.569 and 120.57, Florida Statutes (F.S.), and Chapter 28-106, Florida Administrative Code (F.A.C.), of the Uniform Rules of Procedure. *A request for hearing must (1) explain how the substantial interests of each person requesting the hearing will be affected by the District's action, or final action; (2) state all material facts disputed by each person requesting the hearing or state that there are no disputed facts; and (3) otherwise comply with Chapter 28-106, F.A.C.* A request for hearing must be filed with and received by the Agency Clerk of the District at the District's Brooksville address, 2379 Broad Street, Brooksville, FL 34604-6899 within 21 days of publication of this notice (or within 14 days for an Environmental Resource Permit with Proprietary Authorization for the use of Sovereign Submerged Lands). Failure to file a request for hearing within this time period shall constitute a waiver of any right such person may have to request a hearing under Sections 120.569 and 120.57, F.S.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the District's final action may be different from the position taken by it in this notice of final agency action. Persons whose substantial interests will be affected by any such final decision of the District on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation pursuant to Section 120.573, F.S., to settle an administrative dispute regarding the District's final action in this matter is not available prior to the filing of a request for hearing.

**PART II HEARINGS INVOLVING  
DISPUTED ISSUES OF MATERIAL FACT**

**28-106.201 Initiation of Proceedings.**

(1) Unless otherwise provided by statute, and except for agency enforcement and disciplinary actions that shall be initiated under Rule 28-106.2015, F.A.C., initiation of proceedings shall be made by written petition to the agency responsible for rendering final agency action. The term "petition" includes any document that requests an evidentiary proceeding and asserts the existence of a disputed issue of material fact. Each petition shall be legible and on 8.5 by 11 inch white paper. Unless printed, the impression shall be on one side of the paper only and lines shall be double-spaced.

(2) All petitions filed under these rules shall contain:

(a) The name and address of each agency affected and each agency's file or identification number, if known;

(b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;

(c) A statement of when and how the petitioner received notice of the agency decision;

(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;

(e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action;

(f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and

(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

(3) Upon receipt of a petition involving disputed issues of material fact, the agency shall grant or deny the petition, and if granted shall, unless otherwise provided by law, refer the matter to the Division of Administrative Hearings with a request that an administrative law judge be assigned to conduct the hearing. The request shall be accompanied by a copy of the petition and a copy of the notice of agency action.

*Specific Authority 120.54(3), (5) F.S. Law Implemented 120.54(5), 120.569, 120.57 F.S. History-New 4-1-97, Amended 9-17-98, 1-15-07.*

**PART III PROCEEDINGS AND HEARINGS  
NOT INVOLVING DISPUTED ISSUES OF  
MATERIAL FACT**

**28-106.301 Initiation of Proceedings**

(1) Unless otherwise provided by statute and except for agency enforcement and disciplinary actions initiated under subsection 28-106.2015(1), F.A.C., initiation of a proceeding shall be made by written petition to the agency responsible for rendering final agency action. The term "petition" includes any document which requests a proceeding. Each petition shall be legible and on 8.5 by 11 inch white paper or on a form provided by the agency. Unless printed, the impression shall be on one side of the paper only and lines shall be double-spaced.

(2) All petitions filed under these rules shall contain:

(a) The name and address of each agency affected and each agency's file or identification number, if known;

(b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;

(c) An explanation of how the petitioner's substantial interests will be affected by the agency determination;

(d) A statement of when and how the petitioner received notice of the agency decision;

(e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action;

(f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action;

(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action; and

(h) A statement that no material facts are in dispute.

*Specific Authority 120.54(5) F.S. Law Implemented 120.54(5), 120.569, 120.57 F.S. History-New 4-1-97, Amended 9-17-98, 1-15-07, 12-24-07.*

City Of Venice  
200 N WARFIELD AVE  
VENICE, FL 34292





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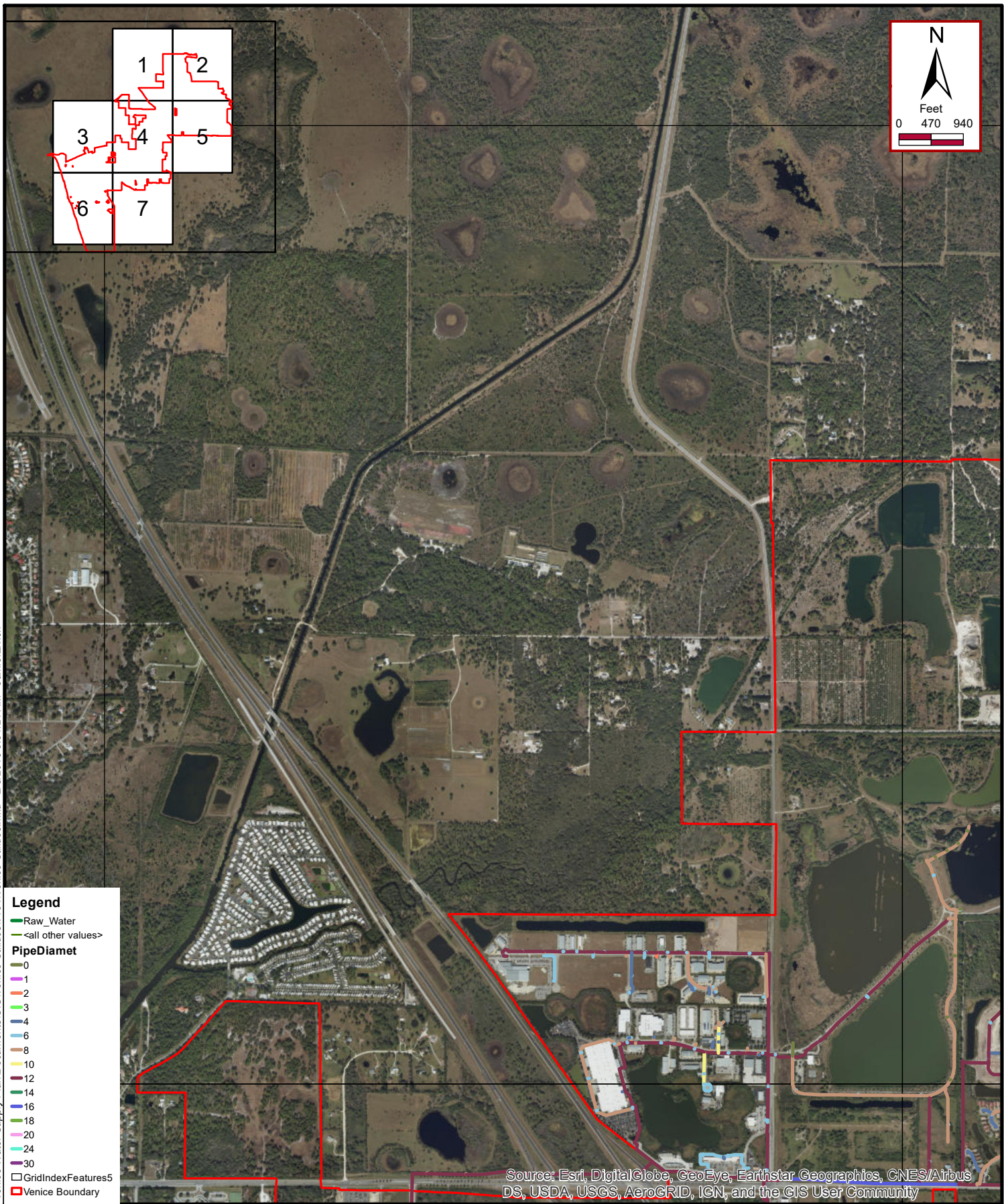
## APPENDIX B: Water Distribution System

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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



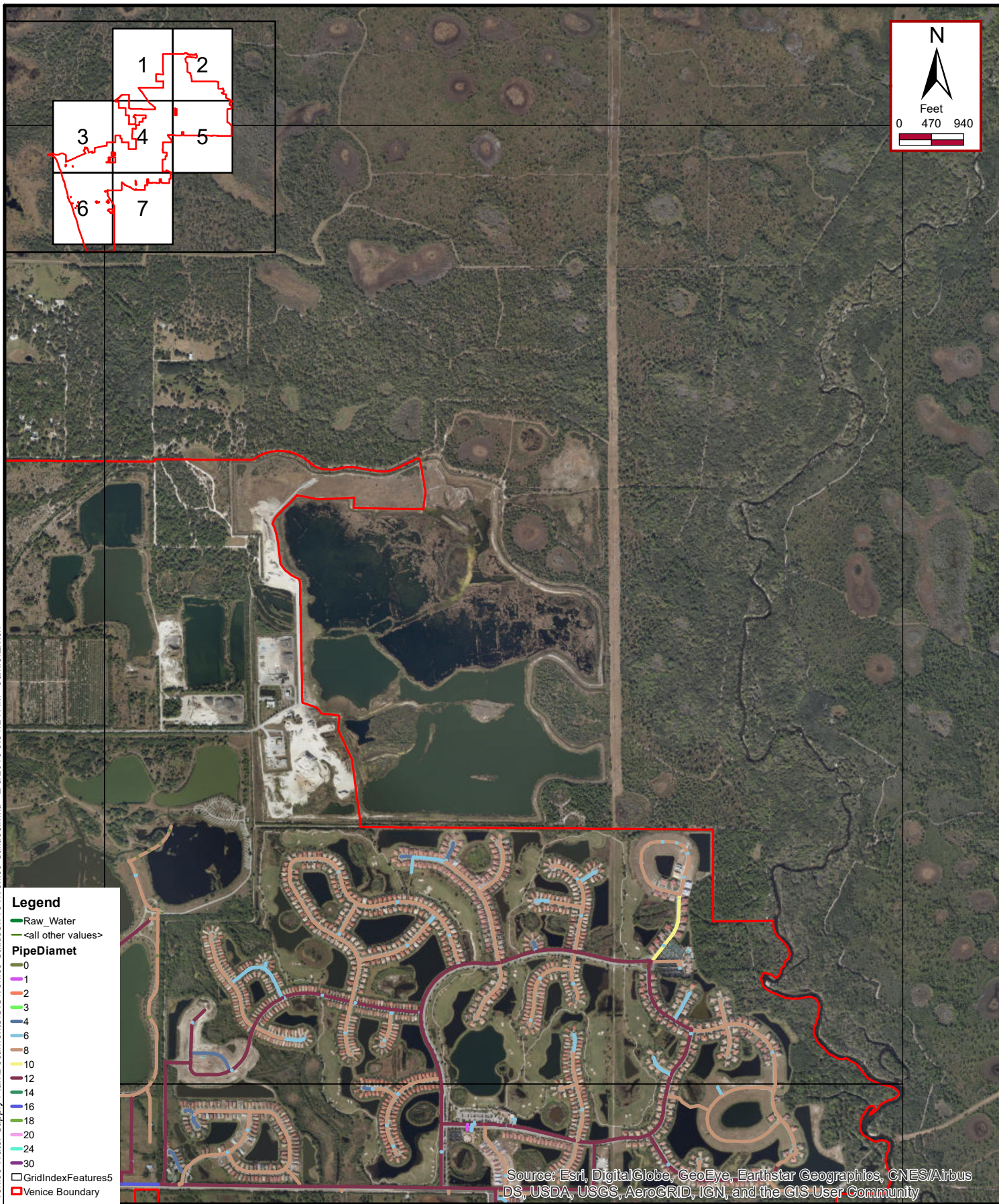
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WATER DISTRIBUTION SYSTEM

VENICE WATER SUPPLY PLAN  
CITY OF VENICE, FLORIDA



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**Legend**

Raw\_Water  
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**PipeDiamet**

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GridIndexFeatures5  
Venice Boundary

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

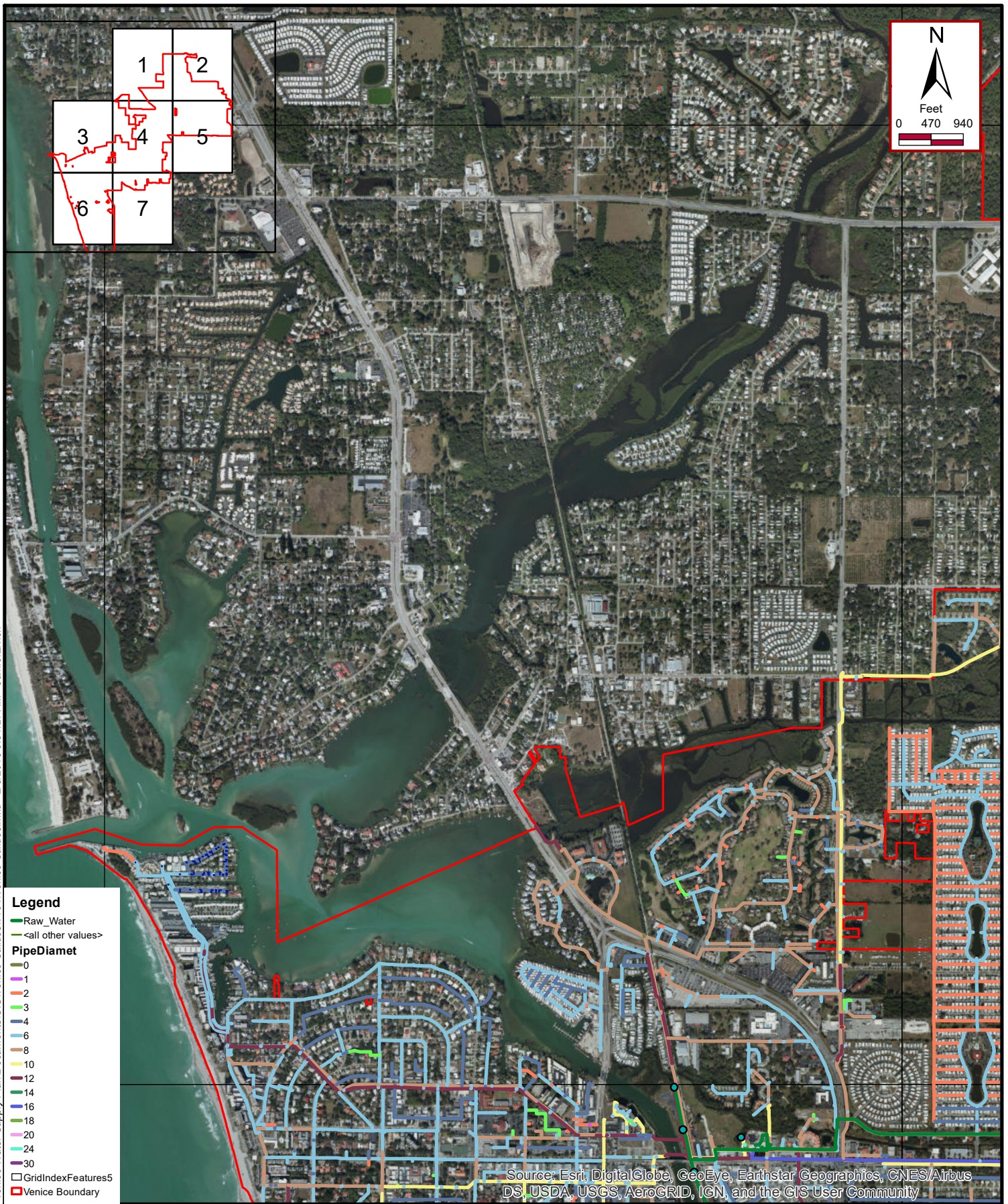
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VENICE WATER SUPPLY PLAN CITY OF VENICE, FLORIDA			
Project No: 048395015	Scale: As Shown	February 2018	Page 2 of 7



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WATER DISTRIBUTION SYSTEM

## VENICE WATER SUPPLY PLAN CITY OF VENICE, FLORIDA

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Project No: 048395015  
City of Venice Comprehensive Plan 2017-2027  
DIA

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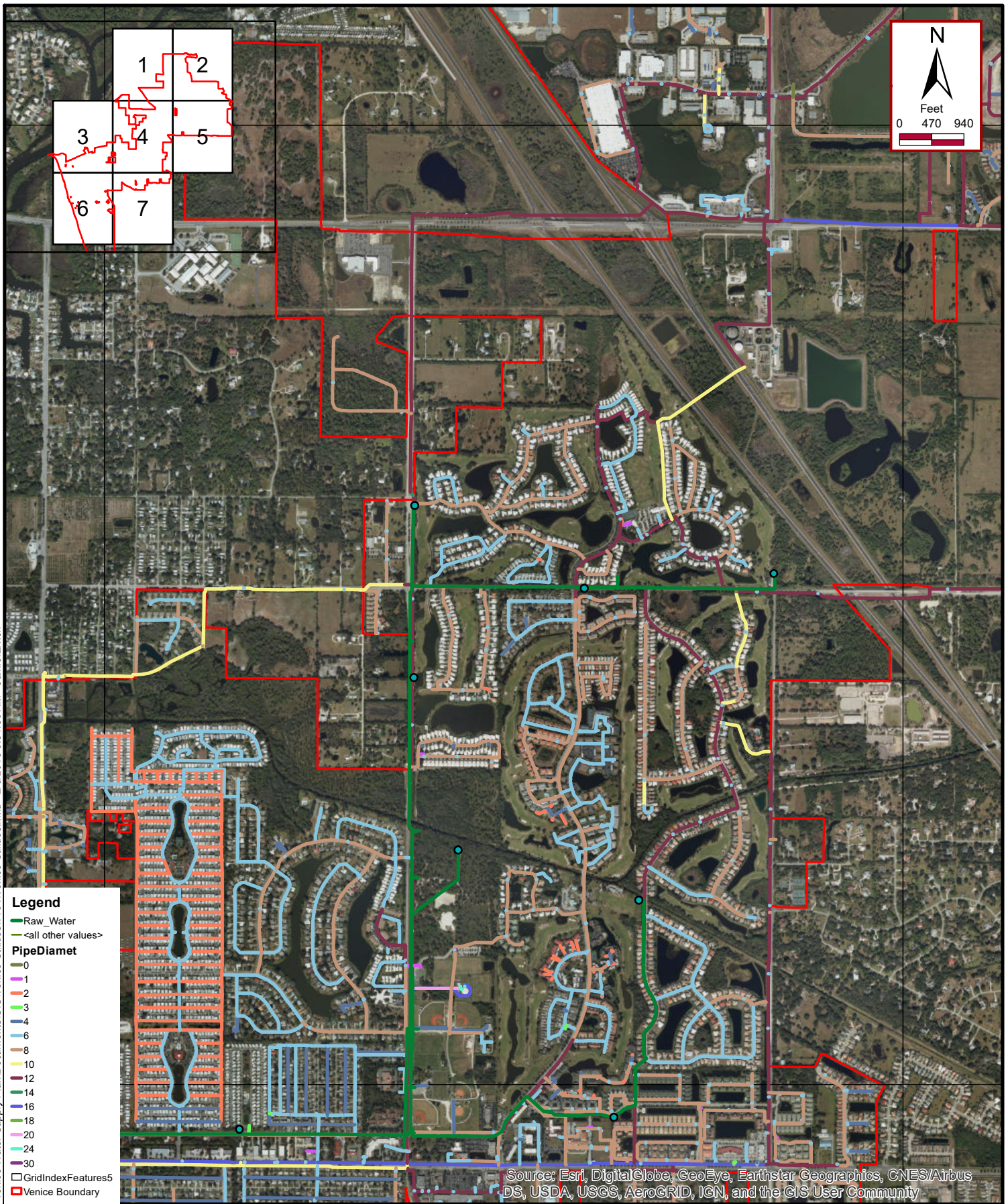
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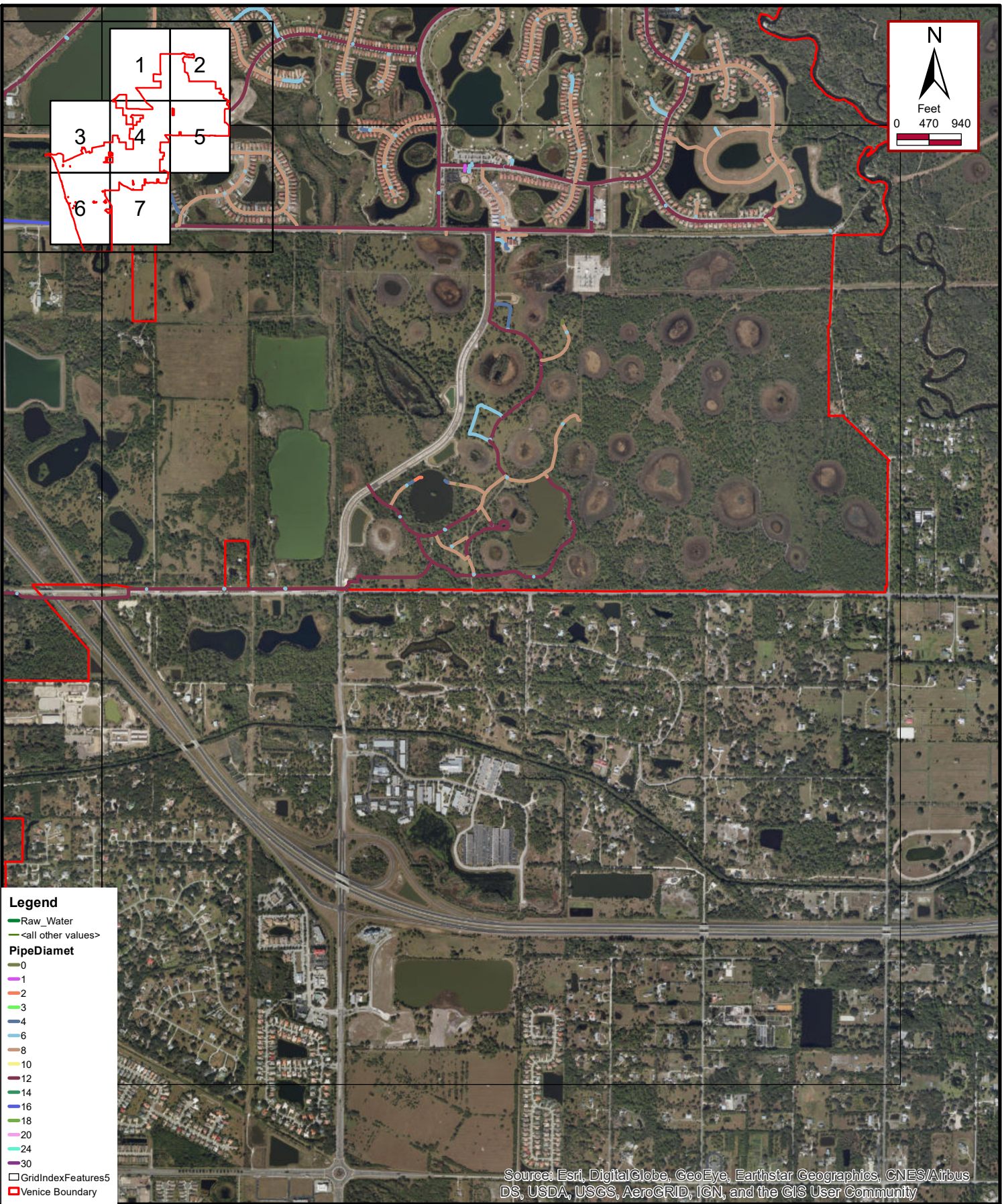
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CITY OF VENICE, FLORIDA			
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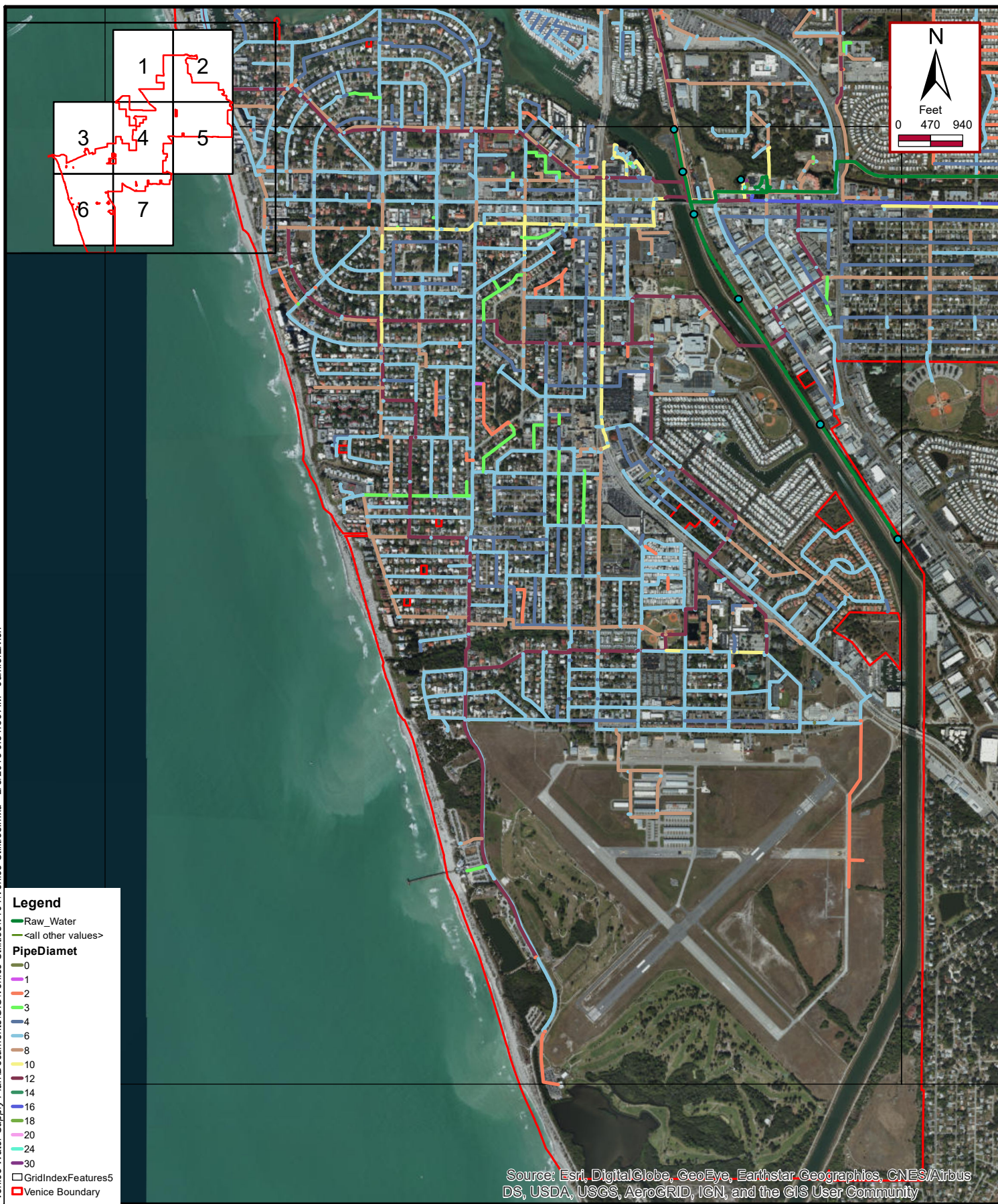
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WATER DISTRIBUTION SYSTEM

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CITY OF VENICE, FLORIDA**



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WATER DISTRIBUTION SYSTEM

**VENICE WATER SUPPLY PLAN  
CITY OF VENICE, FLORIDA**

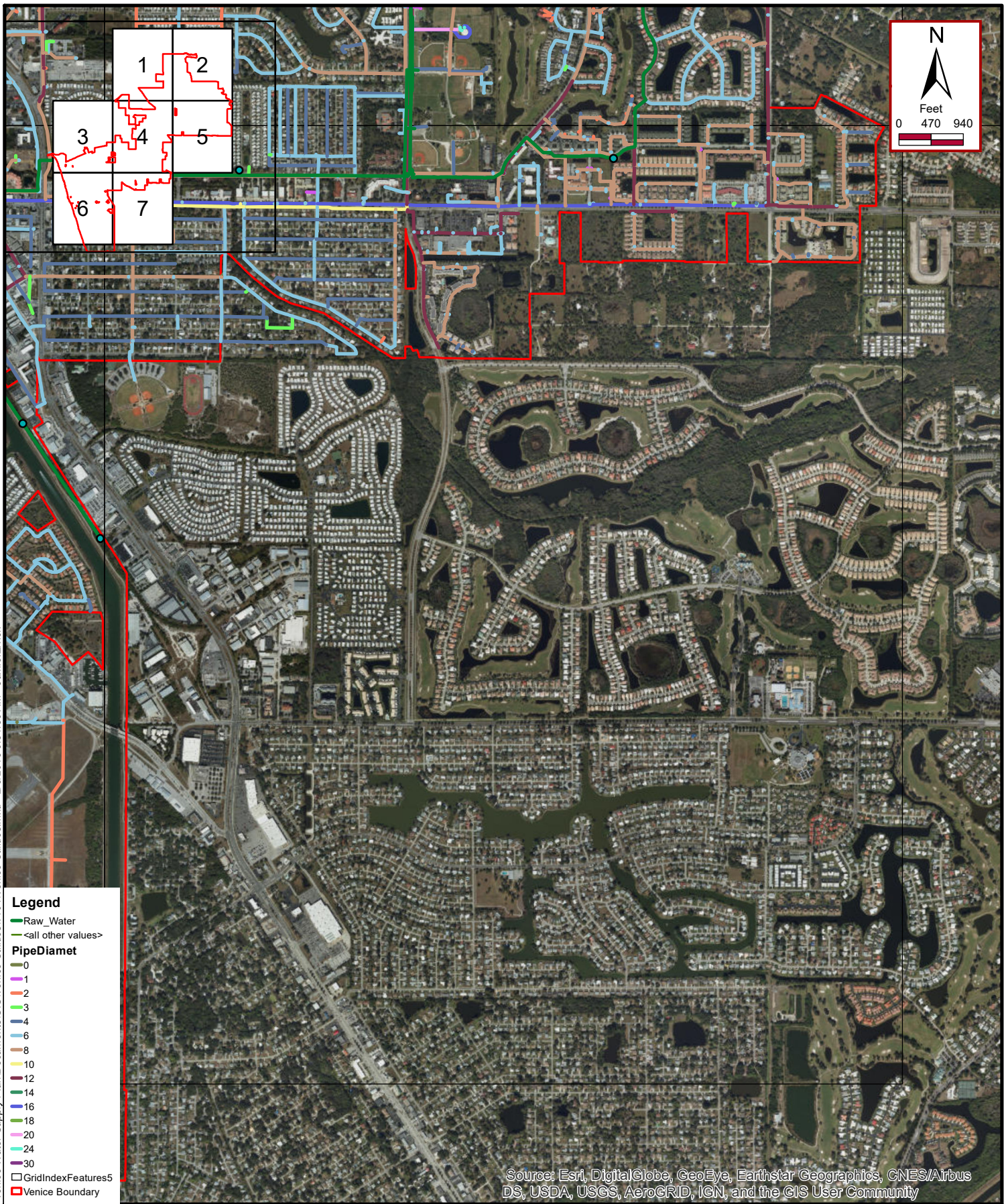
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WATER DISTRIBUTION SYSTEM

**VENICE WATER SUPPLY PLAN  
CITY OF VENICE, FLORIDA**

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## APPENDIX C: Joint Planning and Interlocal Service Boundary Agreement

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CONTRACT NO. 2011-032  
BCC APPROVED 10/13/10

**AMENDED AND RESTATED  
JOINT PLANNING AND  
INTERLOCAL SERVICE BOUNDARY AGREEMENT  
BETWEEN  
THE CITY OF VENICE AND  
SARASOTA COUNTY**

This Amended and Restated Joint Planning and Interlocal Service Boundary Agreement (the "Agreement") is made and entered into this 26<sup>th</sup> day of October, 2010, by and between the City of Venice, a municipal corporation organized and existing under the laws of the State of Florida (the "City") and Sarasota County, a charter county and political subdivision of the State of Florida (the "County").

WHEREAS, in January 2007, the City and the County entered into a Joint Planning and Interlocal Service Boundary Agreement; and

WHEREAS, in December 2008, the Joint Planning and Interlocal Service Boundary Agreement was amended by the City and the County; and

WHEREAS, the City and the County desire to amend and restate the Joint Planning and Interlocal Service Boundary Agreement to eliminate certain Potential Annexation Areas, update the maximum densities in the Potential Annexation Areas in a manner consistent with the City's EAR-based amendments to its comprehensive plan, limit the City's ability to annex in a manner that creates enclaves, and to require that annexed areas be compact; and

WHEREAS, the City possesses Municipal Home Rule Powers pursuant to Article VIII, Section 2(b), Florida Constitution, and Section 166.021, Florida Statutes; and

WHEREAS, the County possesses Home Rule powers as a Charter County pursuant to Article

VIII, Section 1(g), Florida Constitution and Section 125.01, Florida Statutes; and

WHEREAS, the Florida Interlocal Cooperation Act of 1969, Section 163.01, Florida Statutes, encourages and empowers local government to cooperate with one another on matters of mutual interest and advantage, and provides for interlocal agreements between local governments on matters such as annexation and joint planning; and

WHEREAS, the Municipal Annexation Or Contraction Act, Chapter 171, Part I, Florida Statutes, and the Interlocal Service Boundary Agreement Act, Chapter 171, Part II, Florida Statutes, recognizes the use of interlocal service boundary agreements and joint planning agreements as a means to coordinate future land use, public facilities and services, and protection of natural resources in advance of annexation; and

WHEREAS, the Local Government Comprehensive Planning and Land Development Regulation Act, Chapter 163, Part II, Florida Statutes, requires that counties and cities include in their respective planning efforts intergovernmental coordination and particularly, mechanisms for identifying and implementing joint, planning areas, especially for the purpose of annexation; and

WHEREAS, the State Comprehensive Plan requires local governments to direct development to those areas which have in place the land and water resources, fiscal abilities and service capacities to accommodate growth in an environmentally acceptable manner; and

WHEREAS, the State Comprehensive Plan requires local governments to protect the substantial investment in public facilities that already exist and to plan for and finance new facilities in a timely, orderly, and efficient manner; and

WHEREAS, the City and the County wish to identify lands that are logical candidates for future annexations, the appropriate land uses and infrastructure needs and provider for such lands, ensure protection of natural resources and to agree on certain procedures for the timely

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review and processing of development proposals within those areas; and

WHEREAS, the City and the County wish to identify lands within the existing City limits which will be subject to certain procedures and substantive standards during the development review process undertaken by the City; and

WHEREAS, the City and the County wish to identify lands within the unincorporated area of the County which will be subject to certain procedures and substantive standards during the development review process undertaken by the County; and

WHEREAS, the extension of City and County facilities and services can only be provided in prioritized phases if the process and timing of annexation and development review processes for certain designated areas of the City and County are clearly identified and jointly agreed upon in advance of the City and County capital planning, commitment, and expenditure; and

WHEREAS, Subsection 163.3171(3), Florida Statutes, provides for the adoption of joint planning agreements to allow counties and municipalities to exercise jointly the powers granted under the Act; and

WHEREAS, the agreement of the County to waive its rights to contest future annexations within a defined geographic area, pursuant to the conditions provided herein, and refrain from proposing or promoting any Charter amendment that negates the terms and conditions of this Agreement is a material inducement to the City to enter into this Agreement; and

WHEREAS, the agreement of the City to undertake annexation and joint planning efforts in a manner that is coordinated with the County is a material inducement to the County to enter into this Agreement; and

WHEREAS, the City Council of the City, after consultation with its staff, has determined

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that the lands included in the Joint Planning Area described herein may be necessary to reasonably accommodate urban growth projected in the City during the term of this Agreement; and

WHEREAS, the City and the County find that the benefits of intergovernmental communications and coordination will accrue to both Parties, as evidenced by numerous existing Interlocal Agreements; and

WHEREAS, the elected officials of the City and the County have met and negotiated in good faith to resolve issues relating to annexation and joint planning and wish to memorialize their understanding in this Agreement; and

WHEREAS, this Agreement is entered into pursuant to the authority of Article VIII of the Florida Constitution, the Sarasota County Home Rule Charter, the City of Venice Charter, and Chapters, 125, 163, 166 and 171, Florida Statutes (2009).

NOW, THEREFORE, in consideration of the mutual covenants set forth in this Agreement, the receipt and sufficiency of which are hereby acknowledged, the City and the County agree as follows:

1. Incorporation of Preamble. The Preamble above is true and correct and incorporated into this Agreement as if fully set forth herein.
2. Establishment of Joint Planning Area. To establish the means and process by which future annexations and planning activities will be accomplished, the City and the County (the "Parties") hereby establish a Joint Planning Area (JPA), depicted in Exhibit "A," attached hereto and incorporated herein by this reference. All areas specifically delineated, mapped and referenced in the legend on Exhibit A are within the JPA.
3. Limitation on Future Annexations by the City.

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A. The City will not annex any lands other than those designated as Potential Annexation Areas on Exhibit A hereto during the term of this Agreement. Potential Annexation Areas consist of land likely to be developed for urban purposes under the term of this Agreement and which are therefore appropriate for annexation by the City. Notwithstanding this provision, the County agrees that the City may annex enclaves, as defined in Chapter 171, Florida Statutes, in existence on the date of this Agreement.

B. The City and County agree that the City shall provide notice to the County within twenty (20) days of receipt of any petition to annex properties within the JPA and include a report confirming consistency of the City's planned service delivery with the terms of this Agreement.

4. County Consent to Annexations by the City. If the annexation ordinances of the City are adopted under the conditions set forth in this Agreement, the County will not challenge, administratively, judicially, or otherwise, any annexations by the City that annex lands within the Potential Annexation Areas unless the annexed property is not contiguous, as defined in Chapter 171, Florida Statutes, to a City boundary, not compact, or cannot be adequately and reasonably served by police and fire services, or is inconsistent with this Agreement.
5. Annexation of Lands Within the JPA: The City may annex lands within the JPA set forth in Exhibit A in accordance with this Agreement upon adoption of the comprehensive plan amendments required to implement this Agreement and upon the City's receipt of a petition for annexation from the persons who own the property proposed to be annexed and the property is contiguous, as defined in Chapter 171, Florida Statutes, to the

municipal boundaries of the city and the area to be annexed is compact. In addition, the City agrees that it will not create new or expanded enclaves within Potential Annexation Areas.

6. Land Use, Infrastructure and Environmental Agreements for Potential Annexation Areas.

A. Process for Incorporating Potential Annexation Areas into City Comprehensive Plan. Future land uses are identified herein and agreed to by the City and County

for each of the areas within the Potential Annexation Areas set forth on Exhibit A.

These future land uses were examined during the City's comprehensive plan update pursuant to the Evaluation and Appraisal Report. During the process to update the comprehensive plan, the City and County agreed on future land use categories for the specific lands in each of the joint planning areas identified below as Potential Annexation Areas. The City adopted the future land uses as an overlay to its comprehensive plan. Specific policies addressing allocations of acreage, density, and intensity of development have been included for each future land use category set forth in Exhibit B. Once in effect, the overlay will serve to govern any future land use map amendments occurring after annexation. Prior to annexation, the County will not revise its future land uses to redesignate any Potential Annexation Area parcels to a use incompatible with the designations set forth in this Agreement or the overlay. The County is under no obligation to change the land use designations for any parcel designated as a Potential Annexation Area and in the event of a change in the land use will apply the land use category which most closely meets the requirements set forth in Paragraph B, below.

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- B. Agreements on parcels. The matrix set forth as Exhibit B and the following provisions are applicable to the land uses, water and sewer provider, timing of likely infrastructure availability, transportation improvements and environmental considerations of the areas within the JPA whether they are annexed by the City or are developed within the unincorporated area of the County:

- (1) Area 1 — Rustic Road Neighborhood: The land use adopted in the Venice Comprehensive Plan for Subarea 1 (area abutting I-75 and extending approximately 0.73 mile northward and approximately 0.60 mile eastward of the intersection of I-75 and Cow Pen Slough) is 5 to 9 units per acre, calculated on a gross area basis. The land use adopted for Subarea 2 (area abutting Knights Trail Road and extending approximately 0.75 mile westward of Knights Trail Road) is up to 5 units per acre. Up to 50% of the acreage in Area 1 will be allowable for nonresidential (retail, office space, industrial and manufacturing) uses. The total square footage of non-residential uses allowed in this area shall not exceed a floor area ratio (FAR) of 2.0. Development shall be served by City water and sewer. The Party with jurisdiction over the development application will require transportation improvements to the intersection of Knight's Trail and Rustic Lane to meet County standards and to be provided by the developer.
- (2) Area 2A: - Auburn Road to I-75 Neighborhood: The land use adopted in the Venice Comprehensive Plan for this area is a maximum of 3 units per acre, calculated on a gross acreage basis. Up to 10% of the acreage in Area 2 will be allowable for accessory nonresidential (retail, office, and commercial) uses.

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The square footage of the accessory nonresidential uses allowed in this Area shall not exceed a 0.25 FAR. Development shall be served by City water and sewer.

- (3) Area 2B- 1-75 to Jacaranda Boulevard: The land use adopted in the Venice Comprehensive Plan for Subarea 1 (north of Ewing Drive) is a maximum of 9 units per acre, calculated on a gross acreage basis. The land use adopted for Subarea 2 (south of Ewing Drive and north of Curry Creek) is 13 units per acre, calculated on a gross acreage basis. The land use adopted for Subarea 3 (south of Curry Creek) is 18 units per acre, calculated on a gross acreage basis. Up to 50% of the acreage in this sector will be allowable for nonresidential (retail, office space, industrial and manufacturing) uses. The total square footage of nonresidential uses allowed in this Area shall not exceed a 2.0 FAR. Development shall be served by City water and County sewer. The Party with jurisdiction over the development application shall require that right of way be dedicated by the developer for improvements to Jacaranda Boulevard and be completed with appropriate contributions from the developer consistent with the standards in the County's land development regulations.
- (4) Area 3 — Border Road to Myakka River Neighborhood: The land use adopted in the Venice Comprehensive Plan for Subarea 1 (west of North Jackson Road) is a maximum of 5 units per acre, calculated on a gross area basis. The land use adopted for Subarea 2 (east of North Jackson Road) is a maximum of 3 units per acre, calculated on a gross area basis. Development shall be served by City



water and County sewer. The Party with jurisdiction over the development application shall require that transportation improvements including the extension of Jackson Road from Border Road to Laurel Road as a two-lane facility will be required to be provided by the developer consistent with the standards in the County's land development regulations. The City will support the acquisition of conservation interests in properties along the Myakka River, or where they are not acquired, require a Conservation Easement for annexed properties along the Myakka River.

- (5) Area 4 — South Venice Avenue Neighborhood: The land use adopted in the Venice Comprehensive Plan for this Area is a maximum of 7 units per acre, calculated on a gross acreage basis. Up to 33% of the acreage will be allowable for nonresidential (retail, office and commercial) uses. The square footage of nonresidential uses allowed in this Area shall not exceed a 1.5 FAR. Development shall be served by City water and sewer. Interconnections between City and County water and sewer facilities shall be evaluated. The Party with jurisdiction over the development application shall require necessary transportation improvements including a neighborhood roadway interconnection to Hatchett Creek Boulevard to be provided by the developer.
- (6) Area 5 — Laurel Road Mixed Use Neighborhood: The land use adopted in the Venice Comprehensive Plan for this Area is a maximum of 8 units per acre, calculated on a gross acreage basis. For Subarea 1 (north of the proposed connection between Laurel Road and the proposed Honore Avenue extension),



up to 33% nonresidential acreage shall be allowed.. For Subarea 2 (south of the proposed connection between Laurel Road and the proposed Honore Avenue extension), up to 50% nonresidential acreage shall be allowed. For Subarea 3 (south of Laurel Road), up to 100% nonresidential acreage is allowed. The square footage of nonresidential uses allowed for each subarea shall not exceed a 2.0 FAR. Development shall be served by County water and sewer. The Party with jurisdiction over the development application shall require that transportation improvements shall be consistent with the proposed Pinebrook/ Honore Road Extension alignment as depicted on the County thoroughfare plan and be constructed with appropriate contributions from the developer consistent with the County's land development regulations.

- (7) Area 6 — Pinebrook Road Neighborhood: The land use adopted in the Venice Comprehensive Plan for this Area is a maximum of 3 units per acre, calculated on a gross acreage basis. Nonresidential uses shall not be permitted in this Area. Development shall be served by City water and sewer. The Party with jurisdiction over the development application shall require dedication of right of way for future four-laning of Pinebrook Road if the City and County agree that such an improvement is necessary. The improvement shall be constructed, with appropriate contributions from the developer, consistent with the standards in the County land development regulations.
- (8) Area 7 — Auburn Road Neighborhood: The land use adopted in the Venice Comprehensive Plan for this Area is a maximum of 5 units per acre.

Nonresidential uses shall not be permitted in this Area. Development shall be served by City water and sewer.

- (9) Area 8 — Gulf Coast Boulevard Neighborhood: The maximum residential density adopted in the Venice Comprehensive Plan for this Area shall not exceed 3.5 units per acre, calculated on a gross acreage basis. Development shall be served by City water and sewer.

7. Intergovernmental Review and Coordination.

- A. Coordination of Developments of Extrajurisdictional Impacts. The City and County agree that the impacts of certain development, herein referred to as Developments of Extrajurisdictional Impacts, in close proximity to the municipal boundaries of the City, whether within the City limits or in the unincorporated area of the County, require close coordination between the Parties in order to assure the orderly and efficient provision of public facilities and services and compatibility of land uses.
- B. Developments of Extrajurisdictional Impact, defined. "Development of Extrajurisdictional Impact" shall have the following meaning: any development within the Joint Planning Area set forth on Exhibit A hereto that either results in the creation of more than-twenty-five (25) dwelling units or 25,000 square feet of non-residential building area or the consumption of five percent (5%) of the remaining, available capacity of an affected roadway.
- C. Coordination of County Planning Activity. The County will give the City Planning Director, or designee, written notice of the following matters or applications that relate to Developments of Extrajurisdictional Impacts, as defined above, located

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within the unincorporated area of the County depicted on Exhibit A hereto:

- (1) Comprehensive Plan Amendments;
- (2) Rezoning; or
- (3) Special exceptions.

D. Development Proposals within the City's Jurisdiction. The City will give the County Planning Director, or designee, written notice of the following matters or applications that relate to Developments of Extrajurisdictional Impacts, as defined above, located within the municipal boundaries of the City depicted on Exhibit A hereto:

- (1) Comprehensive Plan Amendments;
- (2) Rezoning; or
- (3) Special exceptions.

E. Process for Coordination of Developments of Extrajurisdictional Impacts. The Parties will adhere to the following process in order to facilitate intergovernmental coordination regarding Developments of Extrajurisdictional Impact:

- (I) Not later than thirty (30) days after receiving the application, and in no event less than thirty (30) days prior to any public hearing on a proposed Development of Extrajurisdictional Impact, the Party with approval authority (the "Approving Party") will transmit the application packet for the proposed development, including all back-up material, to the other Party (the "Reviewing Party").
  - a. The Approving Party will transmit any substantive changes to the application packet made during the review process to the Reviewing

Party within five (5) business days of its receipt by the Approving Party.

- b. The Reviewing Party will transmit comments within twenty (20) working days of receipt of the item(s) listed in subparagraphs C. 1, 2, and 3, and D.1, 2, and 3, above. If the Reviewing Party does not respond in writing within twenty (20) working days, then it is deemed to have no recommended conditions for inclusion in the comprehensive plan amendment, rezoning, or special exception.
- c. The Parties agree to take reasonable steps to facilitate the review process set forth herein.

(2) Agreement to Incorporate Conditions.

- a. The City's recommendation to the City Planning Commission and City Council to approve, approve with conditions, or deny a proposed Development of Extrajurisdictional Impact will set forth all County-proposed stipulations that are based on adopted County standards, neighborhood and community plans, industry standards, or common agreement between the City and County.
- b. The County's recommendation to the County Planning Commission and County Commission to approve, approve with conditions, or deny a proposed Development of Extrajurisdictional Impact will set forth all City-proposed stipulations that are based on adopted City standards, neighborhood and community plans, industry standards, or common agreement between the City and

County.

F. Approval of Reviewing Party Not Required.

Notwithstanding the provisions set forth in Section 7. E. (2) hereof, unless otherwise specified herein in Paragraphs 6 and 10, the Parties will not construe any provision of this Agreement to require:

- (1) City approval of the County's planning activities or of Developments of Extrajurisdictional Impact within the unincorporated area of the County; or
- (2) County approval of the City's planning activities, or of Developments of Extrajurisdictional Impact within municipal boundaries of the City.

8. Areas of Infrastructure Coordination: Within the JPA as designated on Exhibit A hereto, the Parties agree to coordinate and cooperate with each other to ensure the efficient provision of infrastructure within these areas and will endeavor to achieve parity in the location of public facilities and services. The Parties will investigate possible system interconnections, co-location of facilities and joint financing and construction of regional infrastructure.

9. Alternative Dispute Resolution.

- A. The Parties agree to resolve any dispute related to the interpretation or performance of this Agreement in the manner described in this Section. Either Party may initiate the dispute resolution process by providing written notice to the other Party. Initiation of the dispute resolution process shall operate as a stay of the action which is the subject of the dispute.
- B. Notwithstanding the foregoing, in the event that either Party determines in its sole discretion and good faith that it is necessary to file a lawsuit or other formal challenge in order to meet a jurisdictional time deadline, to obtain a temporary

injunction, or otherwise to preserve a legal or equitable right, such lawsuit or challenge may be filed, but upon the filing and any other act necessary to preserve the legal or equitable right or to obtain the temporary injunction, the Parties shall thereafter promptly file a joint motion with the reviewing court or administrative law judge requesting that the case be abated in order to afford the Parties an opportunity to pursue the dispute resolution procedures set forth herein. If the abatement is granted, the Parties shall revert to and pursue the dispute resolution procedures set forth herein.

- C. After transmittal and receipt of a notice specifying the areas of disagreement, the Parties agree to meet at reasonable times and places, as mutually agreed upon, to discuss the issues.
- D. If discussions between the Parties fail to resolve the dispute within sixty (60) days of the notice describe in subparagraph A, above, the Parties shall appoint a mutually acceptable neutral third Party to act as a mediator. If the Parties are unable to agree upon a mediator, the City Shall request appointment of a mediator by the Chief Judge of the Circuit Court in and for Sarasota County, Florida. The mediation contemplated by this Section is intended to be an informal and non- adversarial process with the objective of helping the Parties reach a mutually acceptable and voluntary agreement. The decision-making shall rest solely with the Parties. The mediator shall assist the Parties in identifying issues, fostering joint problem-solving, and exploring settlement alternatives.
- E. If the Parties are unable to reach a mediated settlement within ninety (90) days of the mediator's appointment, either Party may terminate the settlement discussions

by written notice to the other Party.

- F. Either Party must initiate litigation or move to end the abatement specified in Paragraph B, above, within thirty (30) days of the notice terminating the settlement discussions or such action is barred. Resolution by failure to initiate litigation shall not be considered to be acceptance of the interpretation, position or performance of the other Party in any future dispute.
- G. The Parties agree that this dispute resolution procedure satisfies the requirements of Chapter 164, Florida Statutes.

10. Agreement on Additional Substantive Standards and Issues:

In addition to the matters set forth above, the Parties agree to the following additional substantive standards and issues:

- A. Each party agrees that as a part of its review of development applications within the Joint Planning Areas set forth in Exhibit A it will apply its own comprehensive plan policies, land development regulations and methodologies to assess the impacts on the public facilities for which it is financially responsible. In addition, the application will be provided to the other party which will conduct a concurrency review based on its comprehensive plan policies, land development regulations and methodologies to address impacts to public facilities which are its financial responsibility. Any concurrency approval will incorporate the results of both reviews.
- B. Right of way for roadways that are designated as future thoroughfares shall be dedicated to the City or the County or their respective designees, as applicable, and construction and maintenance responsibilities for the roadways will be assigned to development interests unless otherwise mutually agreed by the Parties.



- C. Any development authorized by the County within an enclave shall be conditioned upon a requirement that development shall connect to City utilities as they become available.
- D. The Parties will evaluate regional water supply sources, interconnections and joint storage facility locations.
- E. The Parties will support protection of the Myakka River corridor through the implementation of the Myakka Wild and Scenic River Management Plan and will prohibit new or increased access of motorized watercraft to the River within the Joint Planning Areas set forth in Exhibit A. Buffers for new developments with the Myakka River Protection Zone shall be a minimum of two hundred twenty (220) feet.
- F. The City commits to continue to participate in development and implementation of the Habitat Conservation Plan with the County.
- G. The Parties agree that the County's Manatee Protection Plan requirements shall apply to the areas of the Myakka River located within the Joint Planning Areas set forth in Exhibit A.
- H. The City agrees to enforce any lawful conditions imposed by the County in conjunction with the issuance of land use and development permits within an annexation area unless and until such conditions are modified, changed and/or deleted through the City's comprehensive plan and land development regulations. The County will serve a consultative role to provide assistance in enforcement action if requested by the City.
- I. The City agrees to use the County land use compatibility principles during the review of each zoning petition for any parcel located within the Joint Planning

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Areas set forth on Exhibit A and on properties within the City adjoining such areas.

Within the Coordination and Cooperation Areas set forth on Exhibit A, the County agrees not to revise its future land uses prior to confirmation of compatibility by the City. The land use compatibility reviews referenced above shall include an evaluation of land use density, intensity, character or type of use proposed, and an evaluation of site and architectural mitigation design techniques. Potential incompatibility shall be mitigated through techniques including, but not limited to: (i) providing open space, perimeter buffers, landscaping and berms; (ii) screening of sources of light, noise, mechanical equipment, refuse areas, delivery areas and storage areas; (iii) locating road access to minimize adverse impacts, increased building setbacks, step-down in building heights; and (iv) increasing lot sizes and lower density or intensity of land use.

- J. The Parties agree to undertake a review and evaluation of operational and maintenance responsibilities of transportation facilities located within City limits.
- K. The Parties agree to cooperate on the preparation and implementation of any neighborhood or community plans within the areas subject to this Agreement.
- L. The Parties agree to establish and maintain wildlife corridors and coordinate with the state and federal wildlife agencies when reviewing development proposals within the Joint Planning Areas set forth in Exhibit A.
- M. In the event that any modifications to permits of the Southwest Florida Water Management District are necessary to reflect changes in the entity responsible for managing surface water under such permits as a result of annexation, the Parties agree to jointly pursue such amendment within thirty (30) days of the annexation.

N. For purposes of this Agreement, "Conservation" includes, but is not limited to, wetland and upland habitat protection and management, establishing and maintaining habitat and wildlife corridors, establishing and maintaining environmental buffers, and providing for limited improvements to facilitate passive recreation. Conservation areas shall be designated on master, preliminary and final plans (or their equivalent), and site development plans, and shall be protected in perpetuity.

11. Other Rights and Agreements.

- A. Other Rights. Nothing in this Agreement precludes either the City or the County from exercising its rights pursuant to Chapters 380, Florida Statutes, to challenge any regional impact development order.
- B. Other Contemporaneous Agreements. The Parties do not intend for this Agreement to amend, modify, supersede, or terminate any other agreement between the City and County in effect as of January 9, 2007.

12. Notice to Parties.

All notices, consents, approvals, waivers, and elections that any Party requests or gives under this Agreement will be in writing and shall be given only by hand delivery for which a receipt is obtained, or certified mail, prepaid with confirmation of delivery requested. Notices will be delivered or mailed to the addresses set forth below or as either Party may otherwise designate in writing.

If to the County:

Sarasota County  
Attn: County Administrator  
1660 Ringling Blvd.  
Sarasota, FL 34236

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If to the City:

City of Venice  
Attn: City Manager  
401 West Venice Avenue  
Venice, FL 34285

Notices, consents, approvals, waivers, and elections will be deemed given when received by the Party for whom intended.

13. Discharge.

This Agreement is solely for the benefit of the City and the County, and no right or cause of action shall accrue upon or by reason hereof, to or for the benefit of any third party. Nothing in this Agreement, either expressed or implied, is intended or shall be construed to confer upon or give any person, corporation or governmental entity other than the Parties any right, remedy or claim under or by reason of this Agreement or any provisions or conditions hereof, and all of the provisions, representations, covenants, and conditions herein contained shall inure to the sole benefit of and shall be binding upon the Parties and their respective representatives, successors and assigns.

14. Validity of Agreement.

The City and the County each represent and warrant to the other its respective authority to enter into this Agreement, acknowledge the validity and enforceability of this Agreement, and waive any future right or defense based on a claim of illegality, invalidity, or unenforceability of any nature. The City hereby represents, warrants and covenants to and with the County that this Agreement has been validly approved by the Venice City Council at a public hearing of the Venice City Council held pursuant to the provisions of Section 163.3171(3), Florida Statutes, and Chapter 171, Part II, Florida Statutes, that it has been fully executed and delivered by the City, that it constitutes a legal, valid and binding

contract enforceable by the Parties in accordance with its terms, and that the enforceability hereof is not subject to any impairment by the applicability of any public policy or police powers. The County hereby represents, warrants and covenants to and with the City that this Agreement has been validly approved by the Sarasota County Board of County Commissioners at a public hearing of the Board held pursuant to the provisions of Section 163.3171(3), Florida Statutes, that it has been duly executed and delivered by the County, that it constitutes a legal, valid and binding contract enforceable by the Parties in accordance with its terms, and that the enforceability hereof is not subject to any impairment by the applicability of any public policy or police powers.

15. Enforcement.

This Agreement shall be enforceable by the Parties hereto by whatever remedies are available in law or equity, including but not limited to injunctive relief and specific performance.

16. Covenant to Enforce.

If this Agreement or any portion hereof is challenged by any judicial, administrative, or appellate proceeding (each Party hereby covenanting with the other Party not to initiate or acquiesce to such challenge or not to appeal any decision invalidating any portion of this Agreement), the Parties collectively and individually agree, at their individual sole cost and expense, to defend in good faith its validity through to a final judicial determination, unless both Parties mutually agree in writing not to defend such challenge or not to appeal any decision invalidating any portion of this Agreement.

17. Term and Review.

- A. Original Term. This Agreement shall take effect upon its filing with the Clerk of the Circuit Court of Sarasota County and, unless amended or extended in accordance with

its terms, shall expire on June 30, 2032.

- B. Extension: This Agreement shall be automatically extended past the original term for one additional ten (10) year term unless either the City or the County, as the case may be, delivers a notice of non-renewal to the other Party at least one hundred eighty (180) days prior to the expiration of the original term of this Agreement. If it is extended for an additional ten (10) year term, this Agreement shall be automatically extended for one additional five (5) year term unless either the City or the County, as the case may be, delivers a notice of non-renewal to the other Party at least one hundred eighty (180) days prior to the expiration of the ten (10) year extension. A Party delivering such a notice of non-renewal as aforesaid may, in such Party's sole discretion, revoke such notice of non-renewal at any time prior to the expiration date of the original term or any extended term of this Agreement.
- C. Review. During the comprehensive plan Evaluation and Appraisal Report review process required by Chapter 163, Florida Statutes, each Party will review the terms of this Agreement and consider amendments, as necessary.
- D. If the law does not allow this Agreement to have the term set forth above, then the term shall be twenty (20) years or the maximum term of years allowed by law, whichever is greater, and at least eighteen (18) months before the expiration of the twenty (20) year term the Parties agree to commence negotiations for another interlocal agreement to govern the matters addressed in this Agreement.
18. 19. Amendment. Amendments may be proffered by either Party at any time. Proposed amendments shall be in writing and must be approved by a majority of the boards of both Parties or shall be considered not adopted.



19. Future Charter Amendments: The Parties agree that in the event the Sarasota County Charter is amended to require a joint planning agreement or similar agreement as a condition for future annexations or to otherwise provide restrictions or conditions on planning, design or regulatory functions and prerogatives currently within the authority of municipalities located in Sarasota County, that this Agreement shall constitute full compliance with such a requirement. The County agrees to provide the City with notice and an opportunity to provide charter amendment language sufficient to accomplish this purpose. During the term of this Agreement, Sarasota County shall not propose or adopt any charter amendment that negates the terms and conditions of this Agreement.
20. Subsequent Legislative Enactments. The Parties agree and covenant, having given and received valuable consideration for the promises and commitments made herein, it is their desire, intent and firm agreement to be bound by and observe the terms of this Agreement wherever such terms are more stringent than those subsequently enacted by the Legislature.
20. Miscellaneous.
  - A. Entire Agreement. Except as otherwise set forth herein, this Agreement embodies and constitutes the entire understanding of the Parties with respect to the subject matters addressed herein, and all prior agreements, understandings, representations and statements, oral or written, are superseded by this Agreement.
  - B. Governing Law and Venue. The laws of the State of Florida shall govern this Agreement, and venue for any action to enforce the provisions of this Agreement shall be in the Circuit Court of the Twelfth Judicial Circuit of Florida, in and for Sarasota County, Florida.

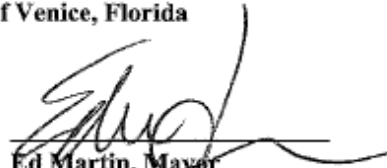
C. Compliance with Chapter 171, Part H, Florida Statutes. The Parties agree that this Agreement also meets the requirements of Chapter 171, Part II, Florida Statutes. The Parties agree that pursuant to Section 171.204, Florida Statutes, the restrictions on the character of land that may be annexed pursuant to Chapter 171, Part I, Florida Statutes, shall not be restrictions on land that may be annexed in accordance with this Agreement provided that such land is contiguous, urban in character, and compact and otherwise meets the terms and conditions of this Agreement.

21. Severability. Any term or provision of this Agreement that is invalid or unenforceable in any situation in any jurisdiction shall not affect the validity or enforceability of the remaining terms and provision hereof or the validity or enforceability of the offending term or provision in any other situation or in any other jurisdiction.

**IN WITNESS WHEREOF**, the CITY OF VENICE, FLORIDA has caused this Agreement to be executed by its Mayor and affixed its official seal, attested by its Clerk pursuant to the Authorization of the Venice City Council, and SARASOTA COUNTY, FLORIDA has caused this Agreement to be executed by its Chair and affixed its official seal, attested by its Clerk, pursuant to the authorization of the Board of County Commissioners, on the day and year indicated below.

City Council  
City of Venice, Florida

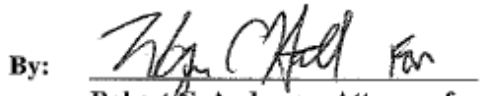
By:

  
Ed Martin, Mayor

ATTEST:

  
Lori Stelzer, City Clerk

Approved as to form and Execution:

By:   
Robert C. Anderson, Attorney for  
the City of Venice, Florida

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**Board of County Commissioners  
Sarasota County, Florida**

By:

  
**Joseph A. Barbetta, Chair**



**ATTEST:**

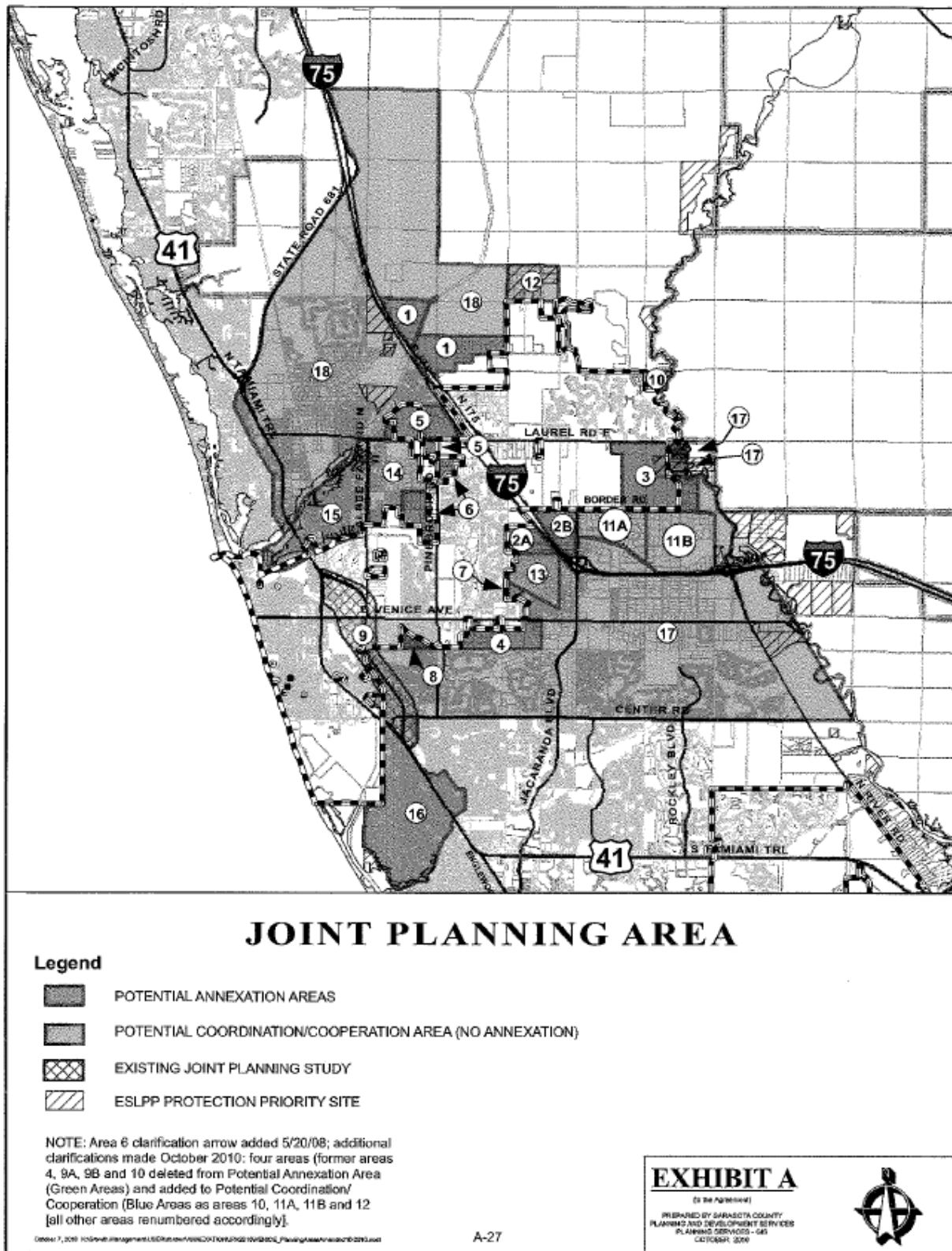
  
**Deputy Clerk**

**Approved as to form and Execution:**

By:

  
**County Attorney**

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**Exhibit B**  
**City of Venice-Sarasota County**  
**Joint Planning Agreement Matrix**

POTENTIAL ANNEXATION AREAS (Green Areas on Exhibit A)							
Location	Approx. Acreage	Existing County Future Land Use	Maximum Allowable Density per City of Venice Comprehensive Plan (Adopted 2010)	Transportation	Water and Sewer	Environmental	Timing of Infrastructure Availability (Years)
#1 (Rustic Road)	489	County Semi-Rural	Subarea 1: 5 to 9 d.u./ac. Subarea 2: 5 d.u./ac.	Intersection Improvements on Knight's Trail	City Water and Sewer	No Issues Identified	6 - 15
#2A (Auburn Road to I-75)	176	County Moderate Density Residential	3 d.u./ac.	No Issues Identified	West of I-75, City Water and Sewer	No Issues Identified	1 - 10
#2B (I-75 to Jacaranda Boulevard)	175	County Semi-Rural, Commercial	Subarea 1: 9 d.u./ac. Subarea 2: 13 d.u./ac. Subarea 3: 18 d.u./ac.	Require ROW Dedication for Jacaranda Blvd.	East of I-75, City Water and County Sewer	No Issues Identified	1 - 10
#3 (Border Road to Myakka River)	629	County Semi-Rural	Subarea 1: 5 d.u./ac. Subarea 2: 3 d.u./ac.	Extend Jackson Road from Border Road to Laurel Road as two-lane facility	City Water and County Sewer	City will support purchase or require conservation easement along River	6 - 20
#4 (South Venice Avenue)	299	Commercial, Medium Density Residential	7 d.u./ac.	Potential Neighborhood Roadway Interconnection to Hatchett Creek Road	City Water and Sewer, Evaluate Interconnections	No Issues identified	1 - 10
#5 (Laurel Road Mixed Use)	296	County Moderate Density Residential, Medium Density Residential, Mixed Use	8 d.u./ac.	Maintain Consistency with Pinebrook / Honore Road Extension	County Water and Sewer	No Issues Identified	1 - 15

Note: Area 5 and 6 size clarifications made Nov. 12, 2008; additional clarifications made October 2010 include: (1) four areas (former areas 4, 9A, 9B and 10) deleted from Potential Annexation (Green Areas on Exhibit A) and added to Potential Coordination/Cooperation (Blue Areas on Exhibit A) as areas 10, 11A, 11B and 12 with revised utility and environmental commitments; (2) name changes to reflect City of Venice Comprehensive Plan; and (3) revised acreages to reflect approximations.

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POTENTIAL ANNEXATION AREAS (Green Areas on Exhibit A)							
Location	Approx. Acreage	Existing County Future Land Use	Maximum Allowable Density per City of Venice Comprehensive Plan (Adopted 2010)	Transportation	Water and Sewer	Environmental	Timing of Infrastructure Availability (Years)
#6 (Pinebrook Road)	232	County Moderate Density Residential	3 d.u./ac.	ROW for future four-laning of Pinebrook. Note: environmental and FCT funding issues with going in after the fact and running road further south. However, there is not a need for improvement given current traffic volumes.	City Water and Sewer	No Issues Identified	1 - 15
#7 (Auburn Road)	25	County Moderate Density Residential	5 d.u./ac.	No Issues Identified	City Water and Sewer	No Issues Identified	1 - 5
#8 (Gulf Coast Boulevard)	33	County Moderate Density Residential	3.5 d.u./ac.	No Issues Identified	City Water and Sewer	No Issues Identified	N/A (existing)

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EXISTING JOINT PLANNING STUDY (Red Hatched Areas on Exhibit A)							
Location	Approx. Acreage	Existing County Future Land Use	Maximum Allowable Density per City of Venice Comprehensive Plan (Adopted 2010)	Transportation	Water and Sewer	Environmental	Timing of Infrastructure Availability (Years)
#9 (US 41 Bypass)	732	N/A	N/A	City and County support US 41 Bypass widening	City and County Water and Sewer within each respective jurisdiction	N/A within this JPA	N/A within this JPA

Note: Area 5 and 6 size clarifications made Nov. 12, 2008; additional clarifications made October 2010 include: (1) four areas (former areas 4, 9A, 9B and 10) deleted from Potential Annexation (Green Areas on Exhibit A) and added to Potential Coordination/Cooperation (Blue Areas on Exhibit A) as areas 10, 11A, 11B and 12 with revised utility and environmental commitments; (2) name changes to reflect City of Venice Comprehensive Plan; and (3) revised acreages to reflect approximations.

POTENTIAL COORDINATION / COOPERATION AREA (NO ANNEXATION - Blue Areas on Exhibit A)							
Location	Acreage	Existing County Future Land Use	Expected Continuing County Future Land Uses	Transportation	Water and Sewer	Environmental	Timing of Infrastructure Availability (Years)
#10 (Venice Myakka River)	52	County Rural	Rural	No Issues	County Water and Sewer	City will support conservation easement along River	1 - 5
#11A (Border/Jacaranda Boulevard)	307	County Major Employment Center, Rural	County Major Employment Center, Rural	Maintain Interconnections with Grid Network	County Water and Sewer	No Issues Identified	10 - 25
#11B (Border Road/Curry Creek)	551	Rural	Rural	Maintain Interconnections with Grid Network; Include the extension of Jackson Road	County Water and Sewer	No Issues Identified	10 - 25
#12 (Laurel Oaks Road)	250	County Rural	Rural	No Issues Identified	County Water and Sewer	City will support	6 - 15
#13 (Venice Acres)	274	Low Density Residential, Medium Density Residential	Low Density Residential, Medium Density Residential	No Issues Identified	County Water and Sewer	No Issues Identified	5 - 10
#14 (Albee Farm East)	468	Low Density Residential, Moderate Density Residential	Low Density Residential, Moderate Density Residential	No Issues Identified	County Water and Sewer	No Issues Identified	1 - 10 water, 10 - 20 sewer
#15 (Albee Farm West)	803	Low Density Residential, Moderate Density Residential, Medium Density Residential, Commercial	Low Density Residential, Moderate Density Residential, Medium Density Residential, Commercial	No Issues Identified	County Water and Sewer	No Issues Identified	1 - 10 water, 10 - 20 sewer
#16 (South Venice)	1241	Moderate Density Residential, Commercial	Moderate Density Residential, Commercial	No Issues Identified	County Water and Sewer	Alligator Creek is an impaired water body requiring a basin management action plan.	1 - 10
#17 (East Venice)	7417	Low Density Residential, Moderate Density Residential, Medium Density Residential, Commercial, Major Employment Center, Office - Multi-Family, Government Use	Low Density Residential, Moderate Density Residential, Medium Density Residential, Commercial, Major Employment Center, Office - Multi-Family, Government Use	No Issues Identified	County Water and Sewer	No Issues Identified	unable to determine
#18 (2050 Village)	7518	Low Density Residential, Moderate Density Residential, Medium Density Residential, Commercial	Low Density Residential, Moderate Density Residential, Medium Density Residential, Commercial	No Issues Identified	County Water and Sewer	No Issues Identified	unable to determine

Note: Area 5 and 6 size clarifications made Nov. 12, 2008; additional clarifications made October 2010 include: (1) four areas (former areas 4, 9A, 9B and 10) deleted from Potential Annexation (Green Areas on Exhibit A) and added to Potential Coordination/Cooperation (Blue Areas on Exhibit A) as areas 10, 11A, 11B and 12 with revised utility and environmental commitments; (2) name changes to reflect City of Venice Comprehensive Plan; and (3) revised acreages to reflect approximations.

A-30

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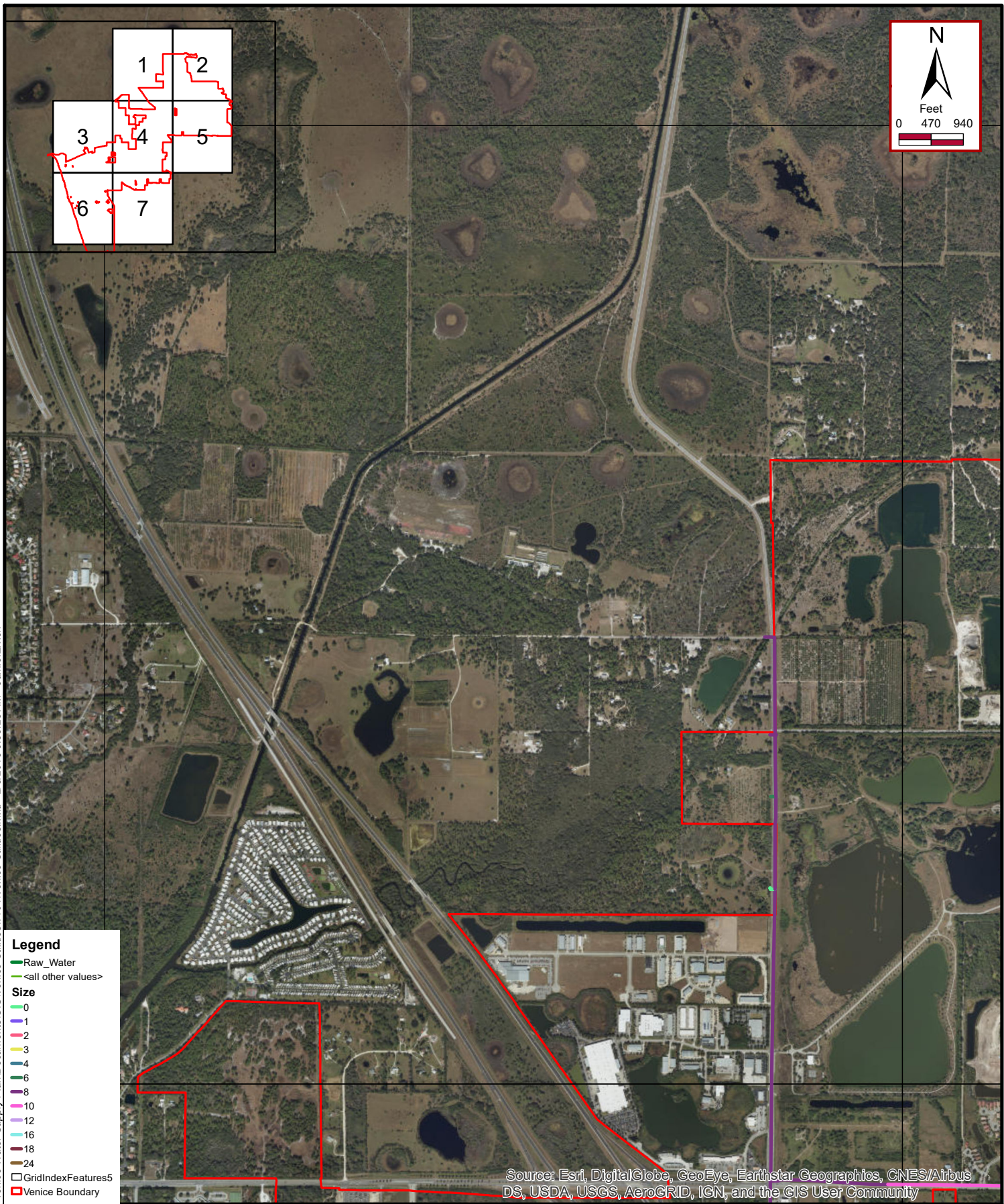
## APPENDIX D: Reclaim Distribution System

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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



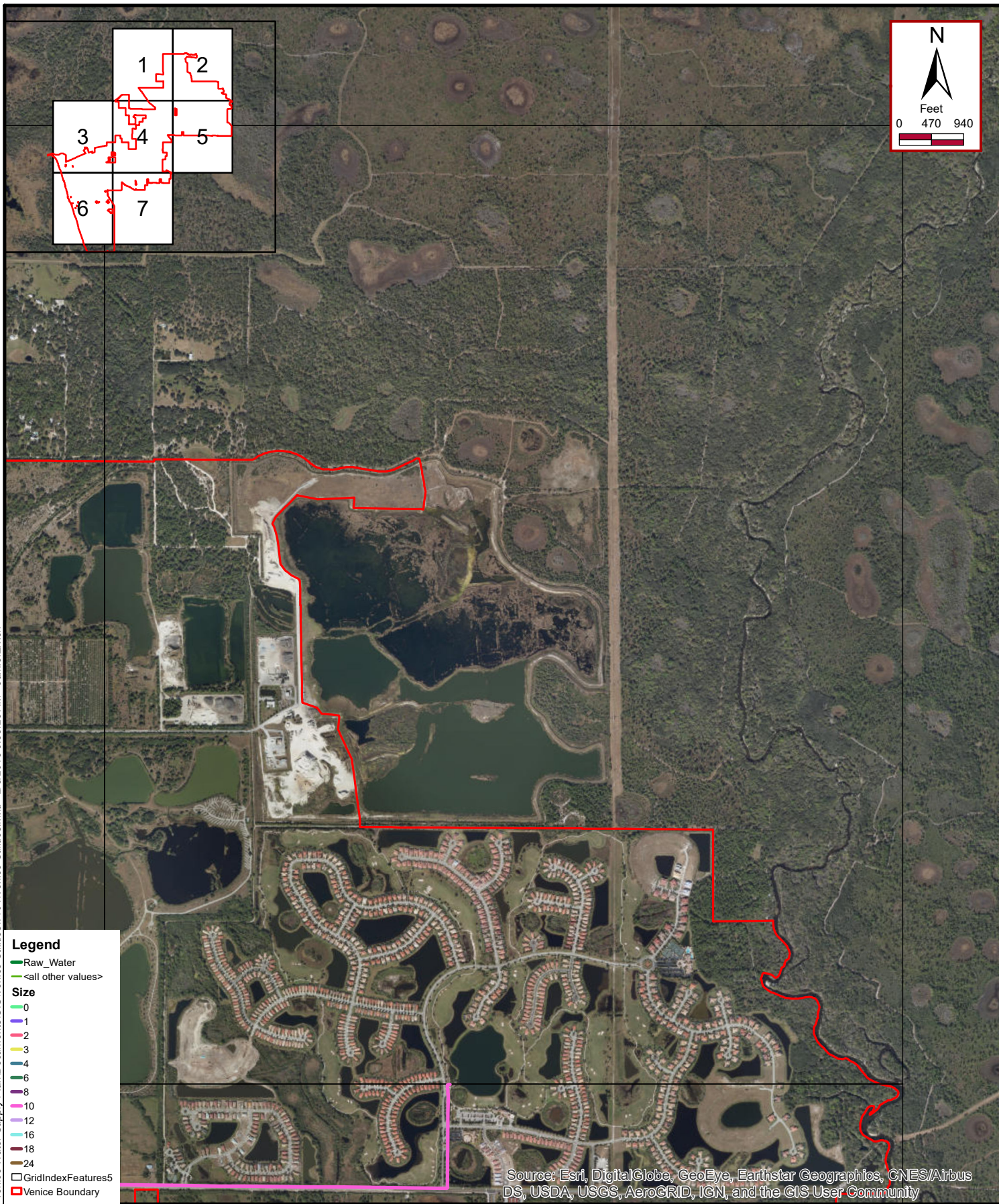
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Phone: 407 898 1511  
www.kimley-horn.com CA 00000696

RECLAIM DISTRIBUTION SYSTEM

**VENICE WATER SUPPLY PLAN**  
**CITY OF VENICE, FLORIDA**



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**Legend**

Raw\_Water  
<all other values>

**Size**

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16  
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GridIndexFeatures5  
Venice Boundary

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

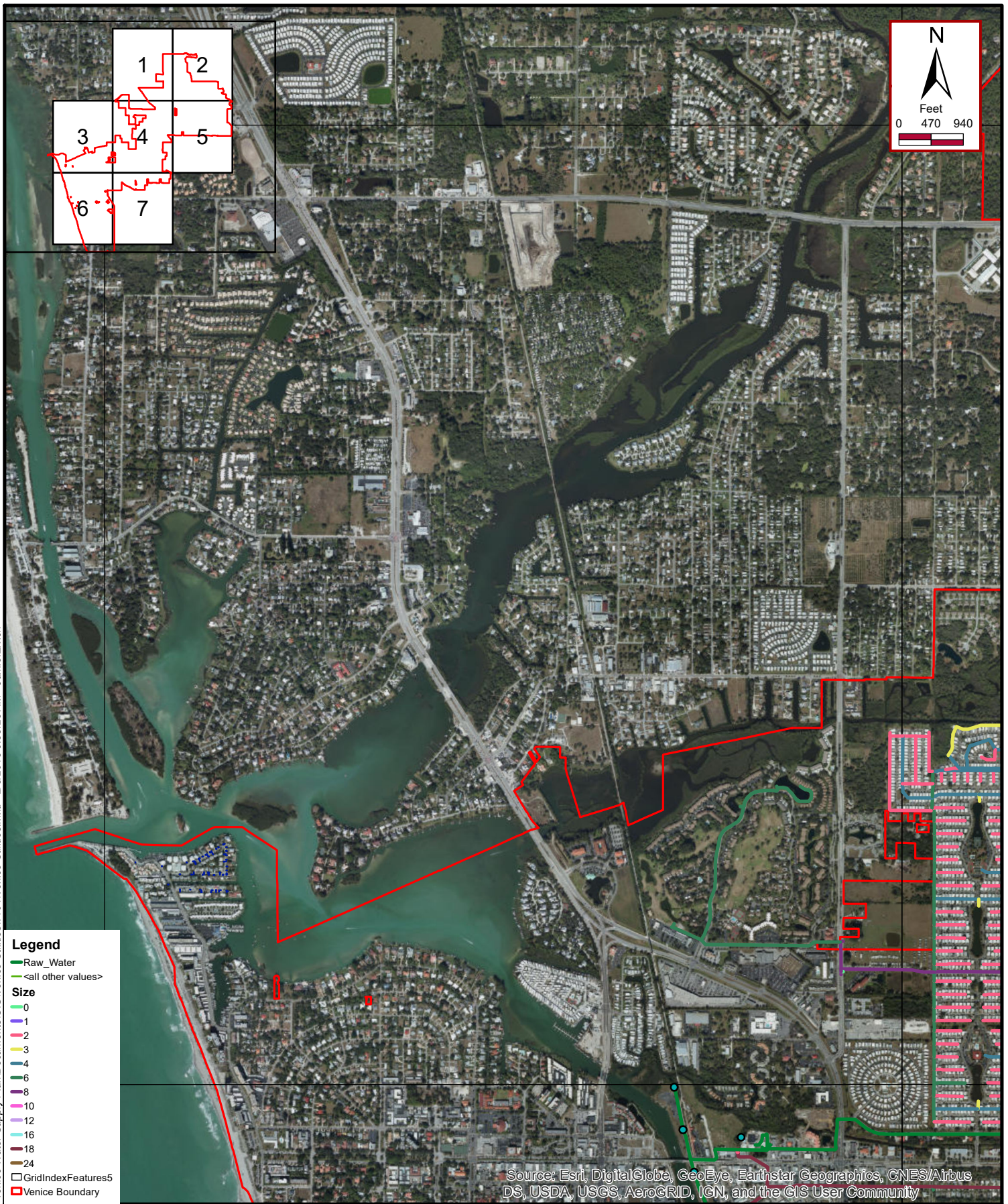
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RECLAIM DISTRIBUTION SYSTEM			
VENICE WATER SUPPLY PLAN CITY OF VENICE, FLORIDA			
Project No: 048395015	Page 755 City of Venice Comprehensive Plan 2017-2027 DIA	Scale: As Shown February 2018	Page 2 of 7



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RECLAIM DISTRIBUTION SYSTEM

**VENICE WATER SUPPLY PLAN  
CITY OF VENICE, FLORIDA**

Project No: 048395015  
City of Venice Comprehensive Plan 2017-2027  
DIA

Page 756

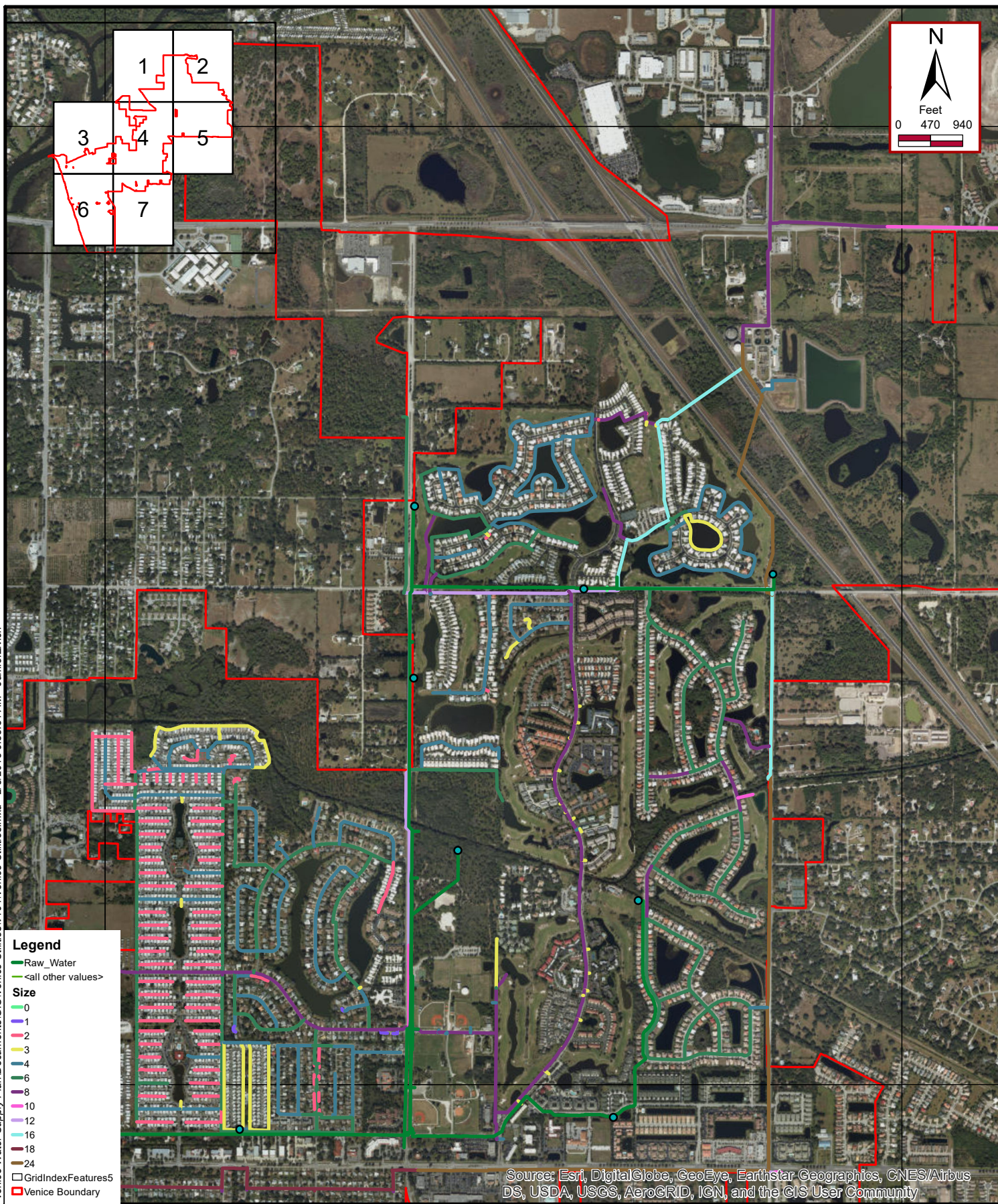
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CITY OF VENICE, FLORIDA**

Project No: 048395015  
City of Venice Comprehensive Plan 2017-2027  
DIA

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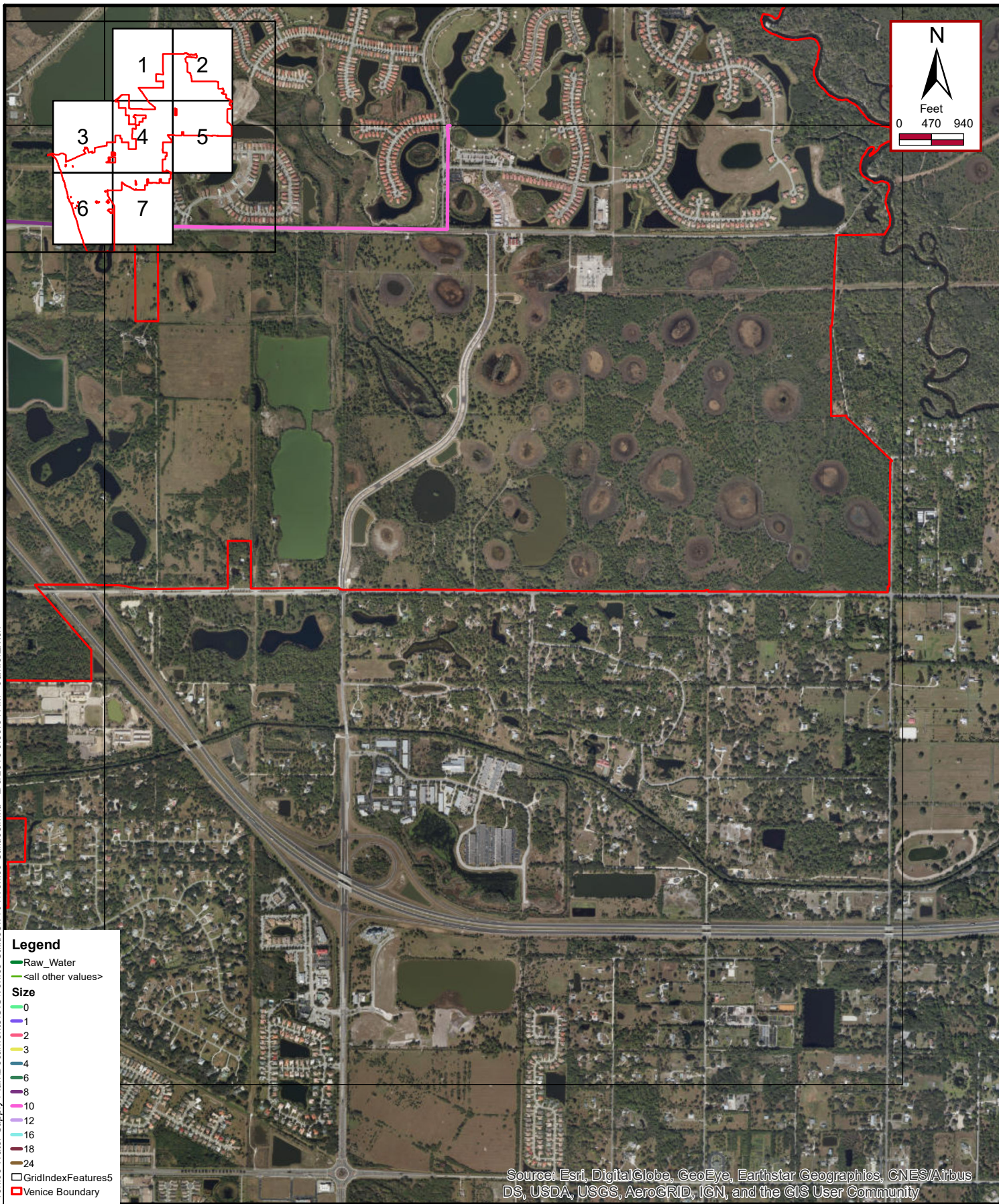
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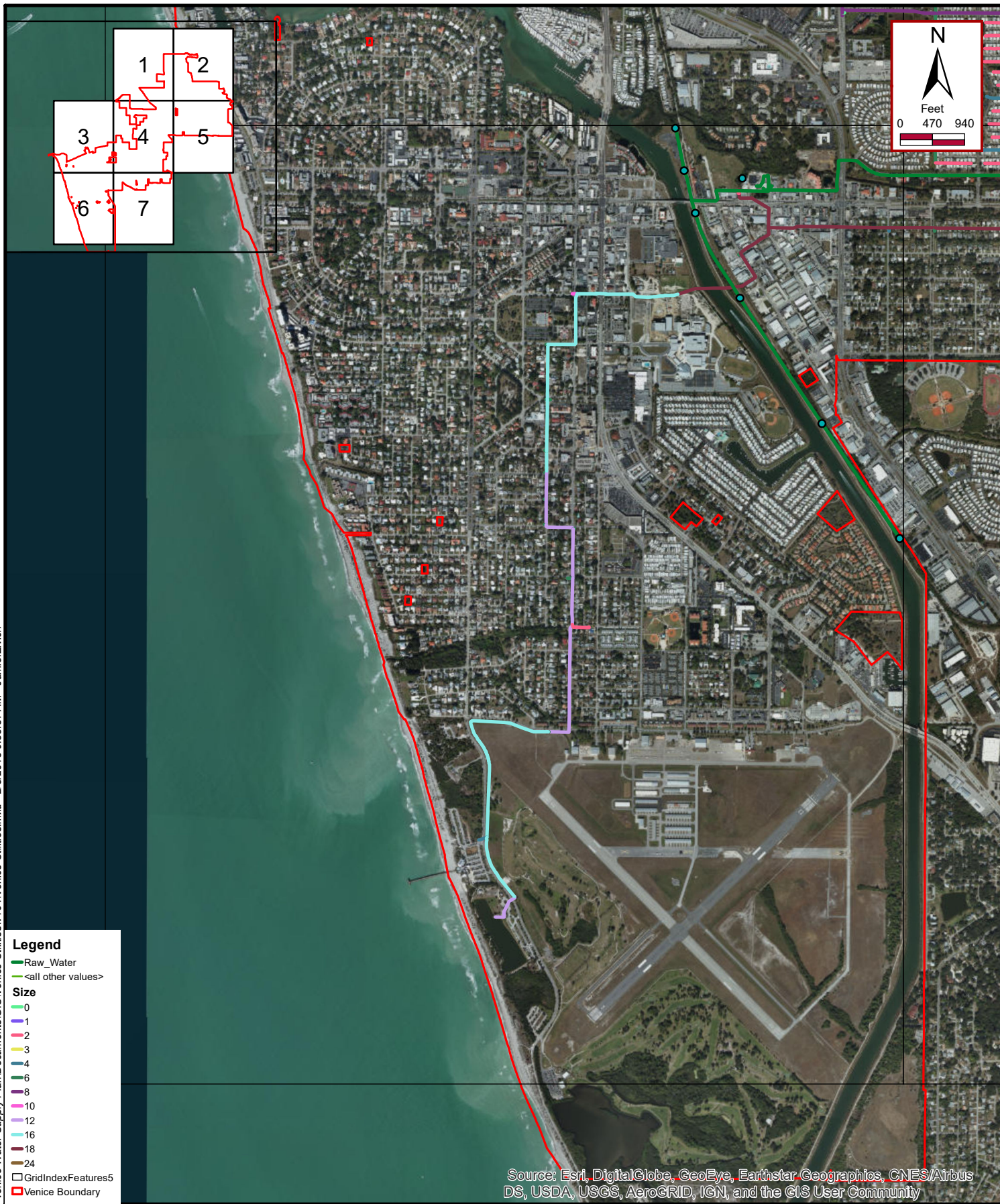
RECLAIM DISTRIBUTION SYSTEM

**VENICE WATER SUPPLY PLAN  
CITY OF VENICE, FLORIDA**

Project No: 048395015 Page 758  
City of Venice Comprehensive Plan 2017-2027 Scale: As Noted  
February 2018 Page 5 of 7



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**VENICE WATER SUPPLY PLAN  
CITY OF VENICE, FLORIDA**

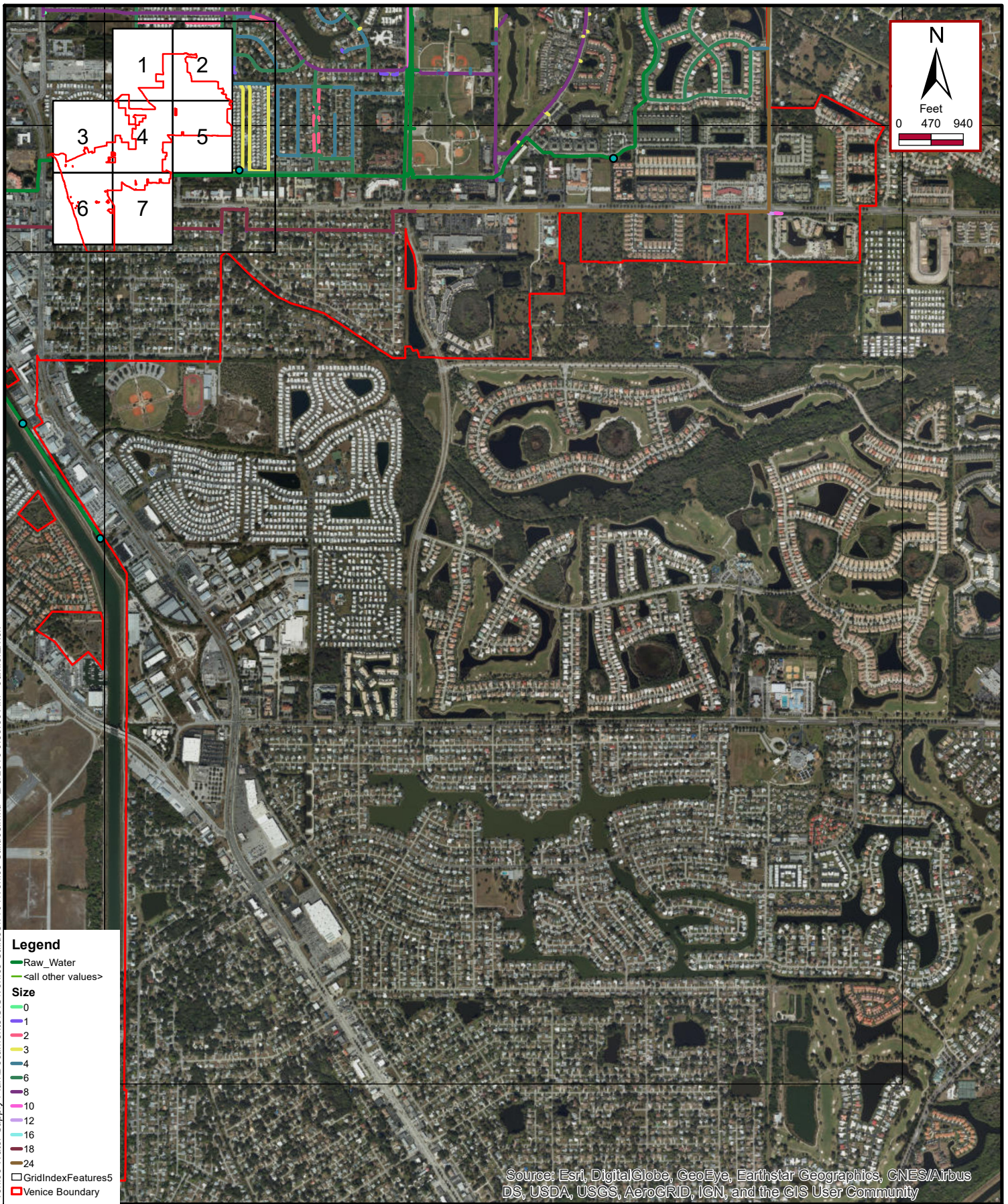
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City of Venice Comprehensive Plan 2017-2027  
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RECLAIM DISTRIBUTION SYSTEM

**VENICE WATER SUPPLY PLAN  
CITY OF VENICE, FLORIDA**

Project No: 048395015  
City of Venice Comprehensive Plan 2017-2027  
DIA

February 2018

Page 7 of 7



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## APPENDIX E: Capital Improvements Projects

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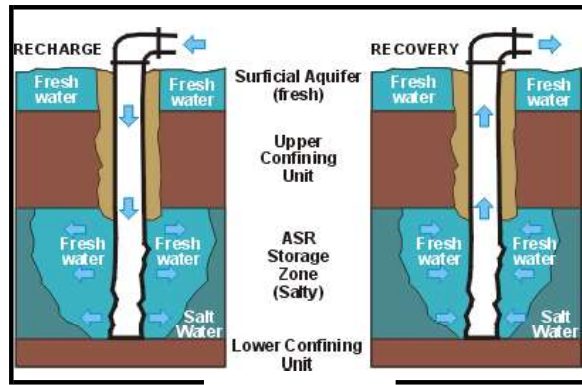
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# City of Venice, Florida

## Capital Improvement Project Request

### FY 2019



Department/Division: Utilities / Water Reclamation  
 Contact Person: Jim Petrosky  
 Project Title: Aquifer Storage and Recovery Well  
 Project Number:

Estimated Start Date: 10/1/2020  
 Estimated Completion Date: 9/30/2022

#### Relationship to Community Vision and City Council Strategic Goals

Investment Objective: Upgrade Service Strategic Plan Goal: Upgrade City Infrastructure & Facilities

#### Description/Justification:

As we move into the future and have an increased demand for reclaimed water, it will be imperative that we have more storage capability. The addition of an Aquifer Storage and Recovery (ASR) well will allow for storing up to 2 MGD of reclaimed water during the wet season and recovering a similar amount for use during the dry season.

#### Financial Information

##### Funding Sources

Funding Type	Fund	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Operating Rev	421	\$ -	\$ -	\$ 600,000	\$ 4,400,000	\$ -
<b>Totals</b>		\$ -	\$ -	\$ 600,000	\$ 4,400,000	\$ -

##### Project Expenditures/Expenses

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Improvements Other Than Bldgs	\$ -	\$ -	\$ 600,000	\$ 4,400,000	\$ -
<b>Totals</b>	\$ -	\$ -	\$ 600,000	\$ 4,400,000	\$ -

#### Impacts on Operations

##### Operating Impacts (negative entries indicate an operating reduction)

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	-	-	-	-	-
<b>Totals</b>	\$ -	\$ -	\$ -	\$ -	\$ -



**City of Venice, Florida**  
**Capital Improvement Project Request**  
**FY 2019**



**Department/Division:** Utilities / Water Production  
**Contact Person:** Jim Anderson  
**Project Title:** **Booster Station (New) - Ajax Property**  
**Project Number:**

**Estimated Start Date:** 10/1/2017  
**Estimated Completion Date:** 9/30/2019

**Relationship to Community Vision and City Council Strategic Goals**

**Investment Objective:** Maintain Service ▼ **Strategic Plan Goal:** Upgrade City Infrastructure & Facilities ▼

**Description/ Justification:** The RO plant can pump water from this facility to the distribution system in order to boost pressure for peak demand and to maintain fire protection to the NE portion of the City. The current facility has out of date equipment and does not have the capability to efficiently regulate flows remotely; moving and replacing the facility will improve personnel productivity time, save operation costs, improve the distribution of potable water, water pressures and fire flows. This project would include the addition of a chemical system to help maintain chlorine residuals in the area and installation of remote pressure sensors in the system which allows for more efficient monitoring of the utility system. Another part of this project would include a new emergency interconnect with Sarasota County.

**Financial Information**

**Funding Sources**

Funding Type	Fund	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Operating Rev	421	\$ 6,700,000	\$ -	\$ -	\$ -	\$ -
<b>Totals</b>		\$ 6,700,000	\$ -	\$ -	\$ -	\$ -

**Project Expenditures/Expenses**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Improvements Other Than Bldgs	\$ 6,700,000	\$ -	\$ -	\$ -	\$ -
<b>Totals</b>	\$ 6,700,000	\$ -	\$ -	\$ -	\$ -

**Impacts on Operations**

**Operating Impacts (negative entries indicate an operating reduction)**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	-	-	-	-	-
<b>Totals</b>	\$ -	\$ -	\$ -	\$ -	\$ -





**City of Venice, Florida**  
**Capital Improvement Project Request**  
**FY 2019**



**Department/Division:** Utilities / Field Operations  
**Contact Person:** Dave Abene  
**Project Title:** **Cast Iron Water Main Replacement**  
**Project Number:**

**Estimated Start Date:** 10/1/2017  
**Estimated Completion Date:** 9/30/2019

**Relationship to Community Vision and City Council Strategic Goals**

**Investment Objective:** Upgrade Service ▼ **Strategic Plan Goal:** Upgrade City Infrastructure & Facilities ▼

**Description/  
Justification:**

Replacing cast iron water mains (heading west along W. Venice Ave. from Avenue des Parques to The Esplanade). Replacement due to age of infrastructure and to improve water quality issues and fire flows.

**Financial Information**

**Funding Sources**

Funding Type	Fund	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Operating Rev	421	\$ 1,800,000	\$ -	\$ -	\$ -	\$ -
<b>Totals</b>		\$ 1,800,000	\$ -	\$ -	\$ -	\$ -

**Project Expenditures/Expenses**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Improvements Other Than Bldgs	\$ 1,800,000	\$ -	\$ -	\$ -	\$ -
<b>Totals</b>	\$ 1,800,000	\$ -	\$ -	\$ -	\$ -

**Impacts on Operations**

**Operating Impacts (negative entries indicate an operating reduction)**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	-	-	-	-	-
<b>Totals</b>	\$ -	\$ -	\$ -	\$ -	\$ -



**City of Venice, Florida**  
**Capital Improvement Project Request**  
**FY 2019**



**Department/Division:** Utilities / Water Production  
**Contact Person:** Jim Anderson  
**Project Title:** CO2 Bulk Tank Replacement  
**Project Number:**

**Estimated Start Date:** 4/1/2019  
**Estimated Completion Date:** 6/1/2019

**Relationship to Community Vision and City Council Strategic Goals**

**Investment Objective:** Upgrade Service      **Strategic Plan Goal:** Upgrade City Infrastructure & Facilities

**Description/ Justification:** CO2 bulk tank is used to supply gas which in turn is used to lower the pH of the permeate water before it enters the degassification process. The bulk system consists of a pressurized bulk tank and a chiller unit to control the temperature of the gas. This system is over 15 years old and has reached the end of its useful life and ,as it is a high pressure unit, should be replaced for safety reasons. Electrical and controls are also no longer in compliance with codes. System is critical to the City's drinking water treatememt system.

**Financial Information**

Funding Sources						
Funding Type	Fund	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Operating Rev	421	\$ 175,000	\$ -	\$ -	\$ -	\$ -
<b>Totals</b>		\$ 175,000	\$ -	\$ -	\$ -	\$ -

**Project Expenditures/Expenses**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Machinery and Equipment	\$ 175,000	\$ -	\$ -	\$ -	\$ -
<b>Totals</b>	\$ 175,000	\$ -	\$ -	\$ -	\$ -

**Impacts on Operations**

Operating Impacts (negative entries indicate an operating reduction)					
Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	-	-	-	-	-
<b>Totals</b>	\$ -	\$ -	\$ -	\$ -	\$ -



**City of Venice, Florida**  
**Capital Improvement Project Request**  
**FY 2019**



**Department/Division:** Utilities / Water Production  
**Contact Person:** Jim Anderson  
**Project Title:** Corrosion Inhibitor Bulk Tank Replace  
**Project Number:**

**Estimated Start Date:** 4/1/2021  
**Estimated Completion Date:** 5/1/2021

**Relationship to Community Vision and City Council Strategic Goals**

**Investment Objective:** Upgrade Service  **Strategic Plan Goal:** Upgrade City Infrastructure & Facilities

**Description/  
Justification:**

Bulk tank is a 2,300 polypropylene tank used to store zinc orthophosphate used as a corrosion inhibitor in the finished water pumped to the City's utility customers, to protect metal pipes and fittings from corrosion. This chemical is acidic in its bulk form and given that the tank is over 10 years old, it has reached the end of its useful life after constant exposure to this chemical and sunlight.

**Financial Information**

**Funding Sources**

Funding Type	Fund	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Operating Rev	421	\$ -	\$ -	\$ 30,000	\$ -	\$ -
<b>Totals</b>		\$ -	\$ -	\$ 30,000	\$ -	\$ -

**Project Expenditures/Expenses**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Machinery and Equipment	\$ -	\$ -	\$ 30,000	\$ -	\$ -
<b>Totals</b>	\$ -	\$ -	\$ 30,000	\$ -	\$ -

**Impacts on Operations**

**Operating Impacts (negative entries indicate an operating reduction)**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	-	-	-	-	-
<b>Totals</b>	\$ -	\$ -	\$ -	\$ -	\$ -



**City of Venice, Florida**  
**Capital Improvement Project Request**  
**FY 2019**



**Department/Division:** Utilities / Field Operations  
**Contact Person:** Mickey Healy  
**Project Title:** Eastgate Utilities Relocation - Phase 2  
**Project Number:**

**Estimated Start Date:** 10/1/2017  
**Estimated Completion Date:** 9/30/2019

**Relationship to Community Vision and City Council Strategic Goals**

**Investment Objective:** Upgrade Service ▼ **Strategic Plan Goal:** Upgrade City Infrastructure & Facilities ▼

**Description/ Justification:** Replace old failing gravity collection system piping and relocate to front of properties. Relocate old rear easement water mains to the front of properties. Improve flow characteristics in an identified problem area. Reduce sanitary sewer overflows which is an objective of the Wastewater Master Plan and a regulatory requirement. Relocate inaccessible rear easement water and sewer lines to allow for proper maintenance and repair, providing for improved water pressure and flows. Design in FY 2018 and construction in FY 2019.

**Financial Information**

**Funding Sources**

Funding Type	Fund	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
SRF	421	\$ 3,500,000	\$ -	\$ -	\$ -	\$ -
<b>Totals</b>		\$ 3,500,000	\$ -	\$ -	\$ -	\$ -

**Project Expenditures/Expenses**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Improvements Other Than Bldgs	\$ 3,500,000	\$ -	\$ -	\$ -	\$ -
<b>Totals</b>	\$ 3,500,000	\$ -	\$ -	\$ -	\$ -

**Impacts on Operations**

**Operating Impacts (negative entries indicate an operating reduction)**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	-	-	-	-	-
<b>Totals</b>	\$ -	\$ -	\$ -	\$ -	\$ -





**City of Venice, Florida**  
**Capital Improvement Project Request**  
**FY 2019**



**Department/Division:** Utilities / Field Operations  
**Contact Person:** Mickey Healy  
**Project Title:** **Eastgate Utilities Relocation - Phase 3**  
**Project Number:**

**Estimated Start Date:** 10/1/2018  
**Estimated Completion Date:** 9/30/2020

**Relationship to Community Vision and City Council Strategic Goals**

**Investment Objective:** Upgrade Service  **Strategic Plan Goal:** Upgrade City Infrastructure & Facilities

**Description/ Justification:** Replace old failing gravity collection system piping and relocate to front of properties. Relocate old rear easement water mains to the front of properties. Improve flow characteristics in an identified problem area. Reduce sanitary sewer overflows which is an objective of the Wastewater Master Plan and a regulatory requirement. Relocate inaccessible rear easement water and sewer lines to allow for proper maintenance and repair, providing for improved water pressure and flows. Design in FY 2019 and construction in FY 2020.

**Financial Information**

**Funding Sources**

Funding Type	Fund	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
SRF	421	\$ 350,000	\$ 3,000,000	\$ -	\$ -	\$ -
<b>Totals</b>		\$ 350,000	\$ 3,000,000	\$ -	\$ -	\$ -

**Project Expenditures/Expenses**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Improvements Other Than Bldgs	\$ 350,000	\$ 3,000,000	\$ -	\$ -	\$ -
<b>Totals</b>	\$ 350,000	\$ 3,000,000	\$ -	\$ -	\$ -

**Impacts on Operations**

**Operating Impacts (negative entries indicate an operating reduction)**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	-	-	-	-	-
<b>Totals</b>	\$ -	\$ -	\$ -	\$ -	\$ -



**City of Venice, Florida**  
**Capital Improvement Project Request**  
**FY 2019**



**Department/Division:** Utilities / Field Operations  
**Contact Person:** Dave Abene  
**Project Title:** Fire Hydrant Replacement Program  
**Project Number:**

**Estimated Start Date:** continuous  
**Estimated Completion Date:** continuous

**Relationship to Community Vision and City Council Strategic Goals**

**Investment Objective:** Maintain Service ▼ **Strategic Plan Goal:** Standard Operational Needs ▼

**Description/  
Justification:**

Replacement of fire hydrants and fire hydrant valves that have become broken, hard to operate, or out dated. To operate and maintain a proper flushing program. To achieve proper operation and spacing of hydrants for fire protection.

**Financial Information**

**Funding Sources**

Funding Type	Fund	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Operating Rev	421	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000
<b>Totals</b>		\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000

**Project Expenditures/Expenses**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Improvements Other Than Bldgs	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000
<b>Totals</b>	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000

**Impacts on Operations**

**Operating Impacts (negative entries indicate an operating reduction)**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	-	-	-	-	-
<b>Totals</b>	\$ -	\$ -	\$ -	\$ -	\$ -



**City of Venice, Florida**  
**Capital Improvement Project Request**  
**FY 2019**



**Department/Division:** Utilities / Technical Unit  
**Contact Person:** Mike Catalano  
**Project Title:** Meter (Large) Change Out Program  
**Project Number:**

**Estimated Start Date:** 10/1/2017  
**Estimated Completion Date:** continuous

**Relationship to Community Vision and City Council Strategic Goals**

**Investment Objective:** Upgrade Service **Strategic Plan Goal:** Upgrade City Infrastructure & Facilities

**Description/ Justification:** This will establish an ongoing replacement program to replace and refresh the mechanical and electronics of our existing water meter inventory (1 1/2" and above). The replacements will help improve accuracy of aging meters that wear out mechanically and update the technology of automatic meter reading (one way radio communications (AMR)) to that of advanced metering infrastructure (two way radio communications (AMI)).

**Financial Information**

**Funding Sources**

Funding Type	Fund	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Operating Rev	421	\$ 252,500	\$ 255,025	\$ 257,575	\$ 260,150	\$ 260,150
<b>Totals</b>		\$ 252,500	\$ 255,025	\$ 257,575	\$ 260,150	\$ 260,150

**Project Expenditures/Expenses**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Improvements Other Than Bldgs	\$ 252,500	\$ 255,025	\$ 257,575	\$ 260,150	\$ 260,150
<b>Totals</b>	\$ 252,500	\$ 255,025	\$ 257,575	\$ 260,150	\$ 260,150

**Impacts on Operations**

**Operating Impacts (negative entries indicate an operating reduction)**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	-	-	-	-	-
<b>Totals</b>	\$ -	\$ -	\$ -	\$ -	\$ -



**City of Venice, Florida**  
**Capital Improvement Project Request**  
**FY 2019**



**Department/Division:** Utilities / Technical Unit  
**Contact Person:** Mike Catalano  
**Project Title:** Meter (Small) Change Out Program  
**Project Number:**

**Estimated Start Date:** 10/1/2016  
**Estimated Completion Date:** continuous

**Relationship to Community Vision and City Council Strategic Goals**

**Investment Objective:** Upgrade Service ▼ **Strategic Plan Goal:** Upgrade City Infrastructure & Facilities ▼

**Description/ Justification:** This will establish an ongoing replacement program to replace and refresh the mechanical and electronics of our existing water meter inventory (5/8" and 1"). The replacements will help improve accuracy of aging meters that wear out mechanically and update the technology of automatic meter reading (one way radio communications (AMR)) to that of advanced metering infrastructure (two way radio communications (AMI)).

**Financial Information**

**Funding Sources**

Funding Type	Fund	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Operating Rev	421	\$ 775,000	\$ 820,000	\$ 575,000	\$ 105,000	\$ 100,000
<b>Totals</b>		\$ 775,000	\$ 820,000	\$ 575,000	\$ 105,000	\$ 100,000

**Project Expenditures/Expenses**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Improvements Other Than Bldgs	\$ 775,000	\$ 820,000	\$ 575,000	\$ 105,000	\$ 100,000
<b>Totals</b>	\$ 775,000	\$ 820,000	\$ 575,000	\$ 105,000	\$ 100,000

**Impacts on Operations**

**Operating Impacts (negative entries indicate an operating reduction)**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	-	-	-	-	-
<b>Totals</b>	\$ -	\$ -	\$ -	\$ -	\$ -





**City of Venice, Florida**  
**Capital Improvement Project Request**  
**FY 2019**



**Department/Division:** Utilities / Water Production  
**Contact Person:** Jim Anderson  
**Project Title:** Outfall Composite, Sampler  
**Project Number:**

**Estimated Start Date:** 2/1/2019  
**Estimated Completion Date:** 3/30/2019

**Relationship to Community Vision and City Council Strategic Goals**

**Investment Objective:** Maintain Service ▼ **Strategic Plan Goal:** Required Regulatory ▼

**Description/  
Justification:**

The Water Production seeks to replace it's aging remote site compost sampler. The Compositor is used to take timed samples, over a 24 hour period, each month. This testing is required by permit with the Department of Environmental Regulation on the concentrate from the Reverse Osmosis Water Treatment plant before it enters the Intra-Coastal waterway to ensure that the city isn't causing a negative impact on the receiving waterbody. The current unit is over 12 years old and has reached the end of it's useful life. While well maintained we have experienced functional issues with the current unit that risks our permit. The cost of the new unit includes an ongoing annual service contract to keep the equipment in compliance.

**Financial Information**

**Funding Sources**

Funding Type	Fund	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Operating Rev	421	\$ 7,750	\$ -	\$ -	\$ -	\$ -
<b>Totals</b>		\$ 7,750	\$ -	\$ -	\$ -	\$ -

**Project Expenditures/Expenses**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Improvements Other Than Bldgs	\$ -	\$ 7,750	\$ -	\$ -	\$ -
<b>Totals</b>	\$ -	\$ 7,750	\$ -	\$ -	\$ -

**Impacts on Operations**

**Operating Impacts (negative entries indicate an operating reduction)**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	-	-	-	-	-
<b>Totals</b>	\$ -	\$ -	\$ -	\$ -	\$ -



**City of Venice, Florida**  
**Capital Improvement Project Request**  
**FY 2019**



**Department/Division:** Utilities / Water Reclamation  
**Contact Person:** Tim Merritt  
**Project Title:** Parkson Aqua Guard Screens  
**Project Number:**

**Estimated Start Date:** 10/1/2018  
**Estimated Completion Date:** 9/30/2019

**Relationship to Community Vision and City Council Strategic Goals**

**Investment Objective:** Upgrade Service ▼ **Strategic Plan Goal:** Upgrade City Infrastructure & Facilities ▼

**Description/ Justification:** The two (2) existing bar screens typically run continuously and are due for replacement. The third screen will allow a rotation to be set up allowing one (1) screen to be off line during normal operation and/or maintenance. Additionally, it will be put on line during heavy rain events in lieu of the current manual bar screen which allows large debris to pass through to the new grit system causing it to plug up.

**Financial Information**

**Funding Sources**

Funding Type	Fund	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Operating Rev	421	\$ -	\$ 700,000	\$ -	\$ -	\$ -
<b>Totals</b>		\$ -	\$ 700,000	\$ -	\$ -	\$ -

**Project Expenditures/Expenses**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Improvements Other Than Bldgs	\$ -	\$ 700,000	\$ -	\$ -	\$ -
<b>Totals</b>	\$ -	\$ 700,000	\$ -	\$ -	\$ -

**Impacts on Operations**

**Operating Impacts (negative entries indicate an operating reduction)**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	-	-	-	-	-
<b>Totals</b>	\$ -	\$ -	\$ -	\$ -	\$ -



**City of Venice, Florida**  
**Capital Improvement Project Request**  
**FY 2019**



**Department/Division:** Utilities / Water Production  
**Contact Person:** Jim Anderson  
**Project Title:** Phase II RO CIP System  
**Project Number:**

**Estimated Start Date:** 10/1/2019  
**Estimated Completion Date:** 3/31/2020

**Relationship to Community Vision and City Council Strategic Goals**

**Investment Objective:** Upgrade Service **Strategic Plan Goal:** Upgrade City Infrastructure & Facilities

**Description/ Justification:** System is used to perform chemical cleanings on the reverse osmosis skids used to treat the City's drinking water. At least twice each year the membranes require cleaning to keep them running as efficiently as possible. The current system is over 25 years old and the tanks and pumps have well exceeded their useful life. This project will replace both poly chemical tanks, pump and electronic parts.

**Financial Information**

**Funding Sources**

Funding Type	Fund	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Operating Rev	421	\$ -	\$ 120,000	\$ -	\$ -	\$ -
<b>Totals</b>		\$ -	\$ 120,000	\$ -	\$ -	\$ -

**Project Expenditures/Expenses**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Machinery and Equipment	\$ -	\$ 120,000	\$ -	\$ -	\$ -
<b>Totals</b>	\$ -	\$ 120,000	\$ -	\$ -	\$ -

**Impacts on Operations**

**Operating Impacts (negative entries indicate an operating reduction)**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	-	-	-	-	-
<b>Totals</b>	\$ -	\$ -	\$ -	\$ -	\$ -



**City of Venice, Florida**  
**Capital Improvement Project Request**  
**FY 2019**



**Department/Division:** Utilities / Field Operations  
**Contact Person:** Dave Abene  
**Project Title:** Potable Water Valve Replacement  
**Project Number:**

**Estimated Start Date:** continuous  
**Estimated Completion Date:** continuous

**Relationship to Community Vision and City Council Strategic Goals**

**Investment Objective:** Maintain Service ▼ **Strategic Plan Goal:** Standard Operational Needs ▼

**Description/  
Justification:**

Replace valves that do not work allowing for proper shutdowns for water main repairs. In the event of an emergency, the utility field crews will be able to safely restore service to the customers in a more efficient and safe manner.

**Financial Information**

**Funding Sources**

Funding Type	Fund	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Operating Rev	421	\$ 225,000	\$ 225,000	\$ 225,000	\$ 225,000	\$ 225,000
<b>Totals</b>		\$ 225,000	\$ 225,000	\$ 225,000	\$ 225,000	\$ 225,000

**Project Expenditures/Expenses**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Improvements Other Than Bldgs	\$ 225,000	\$ 225,000	\$ 225,000	\$ 225,000	\$ 225,000
<b>Totals</b>	\$ 225,000	\$ 225,000	\$ 225,000	\$ 225,000	\$ 225,000

**Impacts on Operations**

**Operating Impacts (negative entries indicate an operating reduction)**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	-	-	-	-	-
<b>Totals</b>	\$ -	\$ -	\$ -	\$ -	\$ -





**City of Venice, Florida**  
**Capital Improvement Project Request**  
**FY 2019**



**Department/Division:** Utilities / Field Operatins  
**Contact Person:** Dave Abene  
**Project Title:** Reclaimed Valve Replacement Program  
**Project Number:**

**Estimated Start Date:** 10/1/2018  
**Estimated Completion Date:** continuous

**Relationship to Community Vision and City Council Strategic Goals**

**Investment Objective:** Maintain Service **Strategic Plan Goal:** Standard Operational Needs

**Description/  
Justification:**

Replace reclaimed water main valves that are broken or do not operate. Replace valves that do not work allowing for proper shutdowns for reclaimed water main repairs. In the event of an emergency, the utility field crews will be able to safely restore service to the customers in a more efficient and safe manner.

**Financial Information**

**Funding Sources**

Funding Type	Fund	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Operating Rev	421	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000
<b>Totals</b>		\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000

**Project Expenditures/Expenses**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Improvements Other Than Bldgs	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000
<b>Totals</b>	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000

**Impacts on Operations**

**Operating Impacts (negative entries indicate an operating reduction)**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	-	-	-	-	-
<b>Totals</b>	\$ -	\$ -	\$ -	\$ -	\$ -



**City of Venice, Florida**  
**Capital Improvement Project Request**  
**FY 2019**



**Department/Division:** Utilities / WRF  
**Contact Person:** Jim Petrosky  
**Project Title:** Reclaimed Water Storage Tank Conversion  
**Project Number:**

**Estimated Start Date:** 10/1/2018  
**Estimated Completion Date:** 9/30/2020

**Relationship to Community Vision and City Council Strategic Goals**

**Investment Objective:** Upgrade Service **Strategic Plan Goal:** Upgrade City Infrastructure & Facilities

**Description/ Justification:** The existing potable ground storage tank to be converted for use as a reclaimed water storage tank. All necessary piping changes shall be included. Use of reclaimed water is based on demand and the amount of storage available. More storage is required for reclaimed water during times of low demand so it is available for times of high demand and for the City to have the ability to serve existing and imminent future customers.

**Financial Information**

**Funding Sources**

Funding Type	Fund	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
SRF	421	\$ -	\$ 100,000	\$ 500,000	\$ -	\$ -
<b>Totals</b>		\$ -	\$ 100,000	\$ 500,000	\$ -	\$ -

**Project Expenditures/Expenses**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Improvements Other Than Bldgs	\$ -	\$ 100,000	\$ 500,000	\$ -	\$ -
<b>Totals</b>	\$ -	\$ 100,000	\$ 500,000	\$ -	\$ -

**Impacts on Operations**

**Operating Impacts (negative entries indicate an operating reduction)**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	-	-	-	-	-
<b>Totals</b>	\$ -	\$ -	\$ -	\$ -	\$ -



**City of Venice, Florida**  
**Capital Improvement Project Request**  
**FY 2019**



**Department/Division:** Utilities / Water Production  
**Contact Person:** Jim Anderson  
**Project Title:** RO Membrane Replacement  
**Project Number:**

**Estimated Start Date:** 5/1/2021  
**Estimated Completion Date:** 7/1/2021

**Relationship to Community Vision and City Council Strategic Goals**

**Investment Objective:** Maintain Service ▼ **Strategic Plan Goal:** Standard Operational Needs ▼

**Description/  
Justification:**

Project is to replace the membranes for the City's four reverse osmosis water treatment units. These units are critical for the treatment of the City's drinking water. The current membranes have reached the end of their typical lifecycle which is 5 to 7 years. Current membranes were installed in late 2014. This task will include the purchase and installation of 216 membranes per skid or 864 total membranes.

**Financial Information**

**Funding Sources**

Funding Type	Fund	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Operating Rev	421	\$ -	\$ -	\$ 1,500,000	\$ -	\$ -
<b>Totals</b>		\$ -	\$ -	\$ 1,500,000	\$ -	\$ -

**Project Expenditures/Expenses**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Machinery and Equipment	\$ -	\$ -	\$ 1,500,000	\$ -	\$ -
<b>Totals</b>	\$ -	\$ -	\$ 1,500,000	\$ -	\$ -

**Impacts on Operations**

**Operating Impacts (negative entries indicate an operating reduction)**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	-	-	-	-	-
<b>Totals</b>	\$ -	\$ -	\$ -	\$ -	\$ -



**City of Venice, Florida**  
**Capital Improvement Project Request**  
**FY 2019**



**Department/Division:** Utilities / Water Production  
**Contact Person:** Jim Anderson  
**Project Title:** Sodium Hypochlorite Tank Replace  
**Project Number:**

**Estimated Start Date:** 10/1/2017  
**Estimated Completion Date:** 6/30/2019

**Relationship to Community Vision and City Council Strategic Goals**

**Investment Objective:** Maintain Service **Strategic Plan Goal:** Upgrade City Infrastructure & Facilities

**Description/ Justification:** The Utility Department is looking to install (2) 10,000 gallon bulk sodium hypochlorite storage tanks and rehabilitate the bulk storage containment area and piping. Bulk sodium hypochlorite tanks are used for storage of bleach waiting to be transferred to day tanks which are then required for use to disinfect the City's drinking water. In addition, this chemical is required for use in treating the concentrate water from the utilities' reverse osmosis treatment units. The current 14,000 gallon tanks (2) are over 15 years old and have reached the end of their useful lives. They were originally spec'd for storage of 6%, onsite generated bleach. The city currently uses 13% industrial bleach which attacks the interiors of the tanks and fittings. We have experienced multiple leaks and fear a total failure which would cause a large safety and cleanup issue as well as a great risk to the safety of the City's drinking water supply.

**Financial Information**

**Funding Sources**

Funding Type	Fund	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Operating Rev	421	\$ 300,000	\$ -	\$ -	\$ -	\$ -
<b>Totals</b>		\$ 300,000	\$ -	\$ -	\$ -	\$ -

**Project Expenditures/Expenses**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Improvements Other Than Bldgs	\$ 300,000	\$ -	\$ -	\$ -	\$ -
<b>Totals</b>	\$ 300,000	\$ -	\$ -	\$ -	\$ -

**Impacts on Operations**

**Operating Impacts (negative entries indicate an operating reduction)**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	-	-	-	-	-
<b>Totals</b>	\$ -	\$ -	\$ -	\$ -	\$ -





**City of Venice, Florida**  
**Capital Improvement Project Request**  
**FY 2019**



**Department/Division:** Utilities / Field Operations  
**Contact Person:** Dave Abene  
**Project Title:** US 41 ByPass Relocations - Gulf Coast  
**Project Number:**

**Estimated Start Date:** 10/1/2017  
**Estimated Completion Date:** 9/30/2019

**Relationship to Community Vision and City Council Strategic Goals**

**Investment Objective:** Upgrade Service ▼ **Strategic Plan Goal:** Upgrade City Infrastructure & Facilities ▼

**Description/  
Justification:**

Relocate water, sewer, and reuse utilities and associated work from Gulf Coast Blvd. to Center Rd. As required by Florida Department of Transportation.

**Financial Information**

**Funding Sources**

Funding Type	Fund	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Operating Rev	421	\$ 305,000	\$ -	\$ -	\$ -	\$ -
<b>Totals</b>		\$ 305,000	\$ -	\$ -	\$ -	\$ -

**Project Expenditures/Expenses**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Improvements Other Than Bldgs	\$ 305,000	\$ -	\$ -	\$ -	\$ -
<b>Totals</b>	\$ 305,000	\$ -	\$ -	\$ -	\$ -

**Impacts on Operations**

**Operating Impacts (negative entries indicate an operating reduction)**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	-	-	-	-	-
<b>Totals</b>	\$ -	\$ -	\$ -	\$ -	\$ -



**City of Venice, Florida**  
**Capital Improvement Project Request**  
**FY 2019**



**Department/Division:** Utilities / Field Operations  
**Contact Person:** Dave Abene  
**Project Title:** Water Main Replacement Program  
**Project Number:**

**Estimated Start Date:** continuous  
**Estimated Completion Date:** 9/30/2020

**Relationship to Community Vision and City Council Strategic Goals**

**Investment Objective:** Upgrade Service **Strategic Plan Goal:** Upgrade City Infrastructure & Facilities

**Description/ Justification:** Relocate water mains and associated appurtenances from the rear easement of properties. To safely and efficiently maintain water mains, service lines, valves and meters. Current rear lot locations hinder the City's ability to properly maintain and repair water mains and associated appurtenances due to the difficulty and/or lack of access to the facilities. In the event of a repair, significant damage is caused both in gaining access and performing the repair due to their locations. Many of these facilities are also heavily tuberculated resulting in possible water quality and decreased pressure problems. Phase 6 in FY 2019 and Phase 7 in FY 2020

**Financial Information**

Funding Sources						
Funding Type	Fund	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
SRF	421	\$ 2,250,000	\$ 2,500,000	\$ -	\$ -	\$ -
<b>Totals</b>		\$ 2,250,000	\$ 2,500,000	\$ -	\$ -	\$ -

**Project Expenditures/Expenses**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Improvements Other Than Bldgs	\$ 2,250,000	\$ 2,500,000	\$ -	\$ -	\$ -
<b>Totals</b>	\$ 2,250,000	\$ 2,500,000	\$ -	\$ -	\$ -

**Impacts on Operations**

Operating Impacts (negative entries indicate an operating reduction)					
Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	-	-	-	-	-
<b>Totals</b>	\$ -	\$ -	\$ -	\$ -	\$ -



**City of Venice, Florida**  
**Capital Improvement Project Request**  
**FY 2019**



**Department/Division:** Utilities / Field Operations  
**Contact Person:** Dave Abene  
**Project Title:** Water Service Line Replacement  
**Project Number:**

**Estimated Start Date:** continuous  
**Estimated Completion Date:** continuous

**Relationship to Community Vision and City Council Strategic Goals**

**Investment Objective:** Maintain Service **Strategic Plan Goal:** Standard Operational Needs

**Description/  
Justification:**

Replace old potable water service lines in areas with high leak reports (Pinebrook South and Venice Municipal Park). To decrease the number of service line breaks caused by brittle and old pipe. To improve water quality, minimize customer service interruptions and damage to surrounding areas caused by the service line failure and decrease after hours calls for associated repairs. There has been continuous pressure problems at Estancias of Capri due to old service lines - replacement to be done in FY 2019

**Financial Information**

**Funding Sources**

Funding Type	Fund	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Operating Rev	421	\$ 375,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000
<b>Totals</b>		\$ 375,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000

**Project Expenditures/Expenses**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Improvements Other Than Bldgs	\$ 375,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000
<b>Totals</b>	\$ 375,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000

**Impacts on Operations**

**Operating Impacts (negative entries indicate an operating reduction)**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	-	-	-	-	-
<b>Totals</b>	\$ -	\$ -	\$ -	\$ -	\$ -



**City of Venice, Florida  
Capital Improvement Project Request  
FY 2019**



**Department/Division:** Utilities / Water Production  
**Contact Person:** Jim Anderson  
**Project Title:** Well Replacement  
**Project Number:**

**Estimated Start Date:** 8/1/2020  
**Estimated Completion Date:** 8/1/2021

**Relationship to Community Vision and City Council Strategic Goals**

**Investment Objective:** Maintain Service ▼ **Strategic Plan Goal:** Standard Operational Needs ▼

**Description/ Justification:** Replace or re-drill and construct an existing unusable production well. A permitted production well has failed and is now unusable. Returning this well to operation will ease the pumping demands on the City's existing older production well; thereby improving the over all water supply system. Engineering services to begin in FY 2020 and construction completed in FY 2021.

**Financial Information**

**Funding Sources**

Funding Type	Fund	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Operating Rev	421	\$ -	\$ 100,000	\$ 1,500,000	\$ -	\$ -
<b>Totals</b>		\$ -	\$ 100,000	\$ 1,500,000	\$ -	\$ -

**Project Expenditures/Expenses**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Machinery and Equipment	\$ -	\$ 100,000	\$ 1,500,000	\$ -	\$ -
<b>Totals</b>	\$ -	\$ 100,000	\$ 1,500,000	\$ -	\$ -

**Impacts on Operations**

**Operating Impacts (negative entries indicate an operating reduction)**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	-	-	-	-	-
<b>Totals</b>	\$ -	\$ -	\$ -	\$ -	\$ -





**City of Venice, Florida**  
**Capital Improvement Project Request**  
**FY 2019**



**Department/Division:** Utilities / WRF  
**Contact Person:** Tim Merritt  
**Project Title:** WRF Equipment Improvements  
**Project Number:**

**Estimated Start Date:** continuous  
**Estimated Completion Date:** continuous

**Relationship to Community Vision and City Council Strategic Goals**

**Investment Objective:** Upgrade Service **Strategic Plan Goal:** Upgrade City Infrastructure & Facilities

**Description/  
Justification:**

Replacement of miscellaneous equipment as it reaches its useful life. In order to maintain the WRF in proper operating condition, periodic replacement of equipment such as the transfer pumps is required.

**Financial Information**

**Funding Sources**

Funding Type	Fund	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Operating Rev	421	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000
<b>Totals</b>		\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000

**Project Expenditures/Expenses**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Machinery and Equipment	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000
<b>Totals</b>	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000

**Impacts on Operations**

**Operating Impacts (negative entries indicate an operating reduction)**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	-	-	-	-	-
<b>Totals</b>	\$ -	\$ -	\$ -	\$ -	\$ -



**City of Venice, Florida**  
**Capital Improvement Project Request**  
**FY 2019**



**Department/Division:** Utilities/Water Reclamation  
**Contact Person:** Jim Petrosky  
**Project Title:** WRF Seasonal Storage Pond Liner Repl  
**Project Number:**

**Estimated Start Date:** 10/1/2017  
**Estimated Completion Date:** 9/30/2018

**Relationship to Community Vision and City Council Strategic Goals**

**Investment Objective:**  **Strategic Plan Goal:**

**Description/  
Justification:**

The plastic liner was installed in 1994 and has reached the end of its lifecycle.

**Financial Information**

**Funding Sources**

Funding Type	Fund	FY 2019	FY 2020	FY 2021	FY 2022	FY 2022
Operating Rev	421	\$ -	\$ -	\$ -	\$ 375,000	\$ -
					-	-
<b>Totals</b>		\$ -	\$ -	\$ -	\$ 375,000	\$ -

**Project Expenditures/Expenses**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2022
Improvements Other Than Bldgs	\$ -	\$ -	\$ -	\$ 375,000	\$ -
				-	-
<b>Totals</b>	\$ -	\$ -	\$ -	\$ 375,000	\$ -

**Impacts on Operations**

**Operating Impacts (negative entries indicate an operating reduction)**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2022
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	-	-	-	-	-
<b>Totals</b>	\$ -	\$ -	\$ -	\$ -	\$ -



**City of Venice, Florida**  
**Capital Improvement Project Request**  
**FY 2019**



**Department/Division:** Utilities / Water Production  
**Contact Person:** Jim Anderson  
**Project Title:** WTP Day Tank Building Upgrade  
**Project Number:**

**Estimated Start Date:** 10/1/2018  
**Estimated Completion Date:** 9/30/2019

**Relationship to Community Vision and City Council Strategic Goals**

**Investment Objective:** Upgrade Service  **Strategic Plan Goal:** Upgrade City Infrastructure & Facilities

**Description/ Justification:** Building is a manufactured fiberglass structure that is used to house our chemical (Caustic and Zinc) daytanks used for treating the City's drinking water. Building is well over 20 years old and is starting to rot from exposure to the elements. In addition to chemical daytanks and pumps the building also housed digital chemical scales that shouldn't be exposed to the weather.

**Financial Information**

**Funding Sources**

Funding Type	Fund	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Operating Rev	421	\$ 60,000		\$ -	\$ -	\$ -
<b>Totals</b>		\$ 60,000	\$ -	\$ -	\$ -	\$ -

**Project Expenditures/Expenses**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Buildings	\$ 60,000		\$ -	\$ -	\$ -
<b>Totals</b>	\$ 60,000	\$ -	\$ -	\$ -	\$ -

**Impacts on Operations**

**Operating Impacts (negative entries indicate an operating reduction)**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	-	-	-	-	-
<b>Totals</b>	\$ -	\$ -	\$ -	\$ -	\$ -



**City of Venice, Florida**  
**Capital Improvement Project Request**  
**FY 2019**



**Department/Division:** Utilities / Water Production  
**Contact Person:** Bob Clark  
**Project Title:** WTP Equipment Improvements  
**Project Number:**

**Estimated Start Date:** continuous  
**Estimated Completion Date:** continuous

**Relationship to Community Vision and City Council Strategic Goals**

**Investment Objective:** Maintain Service ▼ **Strategic Plan Goal:** Standard Operational Needs ▼

**Description/  
Justification:**

Replacement of miscellaneous equipment as it reaches its useful life. In order to maintain the WTP in proper operating condition, periodic replacement of equipment such as the concentrate flow meter, miscellaneous field instruments, permeate flow meter, high service pump surge relief valve, and raw water pressure relief valve is required.

**Financial Information**

**Funding Sources**

Funding Type	Fund	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Operating Rev	421	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000
<b>Totals</b>		\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000

**Project Expenditures/Expenses**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Machinery and Equipment	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000
<b>Totals</b>	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000

**Impacts on Operations**

**Operating Impacts (negative entries indicate an operating reduction)**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	-	-	-	-	-
<b>Totals</b>	\$ -	\$ -	\$ -	\$ -	\$ -





**City of Venice, Florida**  
**Capital Improvement Project Request**  
**FY 2019**



**Department/Division:** Utilities / Water Production  
**Contact Person:** Bob Clark  
**Project Title:** WTP Generator Replacement  
**Project Number:**

**Estimated Start Date:** 10/1/2018  
**Estimated Completion Date:** 9/30/2019

**Relationship to Community Vision and City Council Strategic Goals**

**Investment Objective:** Maintain Service ▼ **Strategic Plan Goal:** Standard Operational Needs ▼

**Description/  
Justification:**

The Utilities-Water Production generator is 29 years old and it has exceeded its "estimated useful life". In addition, we have recently experienced significant maintenance expenses as a result of extended run times during severe weather/storms.

**Financial Information**

**Funding Sources**

Funding Type	Fund	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Operating Rev	421	\$ 350,000	\$ -	\$ -	\$ -	\$ -
<b>Totals</b>		\$ 350,000	\$ -	\$ -	\$ -	\$ -

**Project Expenditures/Expenses**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Machinery and Equipment	\$ 350,000	\$ -	\$ -	\$ -	\$ -
<b>Totals</b>	\$ 350,000	\$ -	\$ -	\$ -	\$ -

**Impacts on Operations**

**Operating Impacts (negative entries indicate an operating reduction)**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	-	-	-	-	-
<b>Totals</b>	\$ -	\$ -	\$ -	\$ -	\$ -



**City of Venice, Florida**  
**Capital Improvement Project Request**  
**FY 2019**



**Department/Division:** Utilities / Water Production  
**Contact Person:** Jim Anderson  
**Project Title:** WTP Second Stage Membrane Addition  
**Project Number:**

**Estimated Start Date:** 10/1/2019  
**Estimated Completion Date:** 9/30/2021

**Relationship to Community Vision and City Council Strategic Goals**

**Investment Objective:** Maintain Service ▼ **Strategic Plan Goal:** Required Regulatory ▼

**Description/ Justification:** In order to provide additional production capacity, a second stage membrane addition will need to be added to the WTP treatment process. The City is required to ascertain the possibility of achieving a recovery rate approaching 75% through the use of a second pass. The City's SWFWMD water use permit requires a pilot study for the addition to improve plant recovery which would lead to the addition of the second stage membrane pass to the current RO units.

**Financial Information**

**Funding Sources**

Funding Type	Fund	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
SRF	421	\$ -	\$ 300,000	\$ 3,000,000	\$ -	\$ -
<b>Totals</b>		\$ -	\$ 300,000	\$ 3,000,000	\$ -	\$ -

**Project Expenditures/Expenses**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Machinery and Equipment	\$ -	\$ 300,000	\$ 3,000,000	\$ -	\$ -
<b>Totals</b>	\$ -	\$ 300,000	\$ 3,000,000	\$ -	\$ -

**Impacts on Operations**

**Operating Impacts (negative entries indicate an operating reduction)**

Activity	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	-	-	-	-	-
<b>Totals</b>	\$ -	\$ -	\$ -	\$ -	\$ -