

Comprehensive Plan

Chapter 4

Sanitary Sewer

Sub-Element

Goals, Objectives, and Policies

City of Edgewater
Ordinance No. 2019-O-06

GOALS, OBJECTIVES AND POLICIES

GOAL 1: The City will provide wastewater treatment facilities designed to protect public health and the environment, will cause those facilities to be available concurrent with development and will construct and operate those facilities in an efficient manner.

Objective 1.1: *Wastewater Treatment Capacity.* Ensure that sufficient wastewater treatment capacity exists prior to the issuance of new development approvals.

Policy 1.1.1: *Average Wastewater Flow Level of Service.* An average wastewater flow of 204 gallons per equivalent residential unit (ERU) per day is hereby established as the standard level of service for the City of Edgewater's wastewater treatment facility.

Policy 1.1.2: *Level of Service and Determining the Capacity Demand.* The established level of service standards of 204 gallons per ERU per day will be used to determine the capacity demand generated by proposed development.

Policy 1.1.3: *Proposed Improvements to the Wastewater System.* All proposed improvements to the wastewater system, including capacity increase, system expansion, or facility replacement will be consistent with the established level of service standard.

Objective 1.2: *Wastewater Facilities Concurrency.* Ensure that all wastewater facilities required to support proposed development are available concurrent with such development.

Policy 1.2.1: *Developers Purchasing Required Wastewater Capacity.* The City will require developers to purchase required wastewater capacity prior to obtaining a development permit.

Policy 1.2.2: *New Development and Wastewater Collection Facilities.* The City will require each new development to construct wastewater collection facilities and lift stations as needed to connect to the existing system.

Policy 1.2.3: *New Development and Irrigation Distribution Systems.* The City will require each new development or substantial redevelopment project to construct an irrigation water distribution system and whenever feasible to connect to the City's existing reclaim water supply system. However, the City may accept an alternative supply for reclaim water augmentation and alternative irrigation water subject to review and approval by the City, including private systems.

Objective 1.3: *Wastewater Facilities Operation and Maintenance.* Provide proper operation and maintenance of existing and future wastewater system facilities to ensure optimum system performance.

- Policy 1.3.1:** *Operation and Maintenance of Wastewater Treatment Facility Systems.* The wastewater treatment facility system will be operated and maintained in compliance with applicable local, State and Federal regulations.
- Policy 1.3.2:** *Reporting Violations of Wastewater Facility Operating Rules.* The City will promptly report any violations of local, State or Federal wastewater facility operating rules to the appropriate agency, and shall take immediate steps to correct any violations.
- Policy 1.3.3:** *Wastewater Treatment Plant Operator Certification.* The City will employ wastewater treatment plant operators with appropriate and current state wastewater treatment plant operator certification.
- Policy 1.3.4:** *Maintaining the Wastewater Treatment Plant.* The City will maintain the wastewater treatment plant to ensure production of unrestricted public access quality effluent, consistent with FDEP criteria for use as reclaimed water for irrigation and to continue to obtain effective recovery of reclaimed water from sewage.

GOAL 2: The City shall plan for the expansion or increase in capacity of the wastewater system to meet future needs.

Objective 2.1: *Increasing Wastewater Facilities Capacity.* Plan for the expansion or increase in capacity of the wastewater system to meet future needs.

- Policy 2.1.1:** *Coordination with Volusia County.* The City will continue its efforts to coordinate with Volusia County to utilize available capacity in the County's south plant to serve customers within the City's service area.
- Policy 2.1.2:** *Interlocal Agreement and Provision of Wastewater Treatment Services.* The City will comply with the terms of the latest revision of the interlocal agreement between the City of Edgewater and Volusia County with regard to provision of wastewater treatment service to City and County residents.
- Policy 2.1.3:** *Expansion of the Wastewater System Priorities.* Priority of the expansion of the wastewater system shall be:
- To existing areas which present an immediate threat to public health or safety;
 - To in-fill development in areas of current service availability;
 - To areas providing a logical extension of existing facilities and service; and

- To promote the production and distribution of reclaimed water as an alternative to upper floridian aquifer water being utilized for uses not requiring potable water as irrigation.

Objective 2.2: *Providing Reclaimed Water Service.* Provide reclaimed water service to customers in the Southeast Service Area and establish a beneficial reuse of effluent from the Volusia County Southeast Regional Treatment Plant pursuant to the St. Johns River Water Management District (SJWMD) *Water Supply Plan*.

Policy 2.2.1: *Monitoring Development Activity within Subject Area.* The City will monitor development activity within the subject area and establish a target for delivery of the project commensurate with available users.

Policy 2.2.2: *Interconnect Projects and the 5-year CIP.* The City will include the interconnect projects within the *5-year Capital Improvements Program* and address it within the *Water Supply Facilities Work Plan (WSFWP)*.

Policy 2.2.3: *Volusia County Southeast Service Area Interconnect Project.* The City will complete the design plans for the Volusia County Southeast Service Area Interconnect project that are currently in progress.

Policy 2.2.4: *Funding for the Interconnect Project.* The City will pursue cooperative funding for the Interconnect project through the SB444 program.

GOAL 3: The City will continue to optimize the use of reclaimed water and to operate its reclaimed water system efficiently in order to maximize effective use of reclaimed water to reduce demands on groundwater resources and to provide an alternative to using potable water for purposes not requiring potable water, such as irrigation.

Objective 3.1: *Reclaimed Water Disposal.* Maximize reclaimed water disposal capacity, make use of available augmentation sources when feasible and encourage careful use of reclaimed water by its customers. [

Policy 3.1.1: *Expansion of the Reclaimed Water System Priorities.* Priority of the expansion of the reclaimed water system shall be:

- To new development in areas recently annexed by the City; then
- To existing, non-connected residences and businesses in areas of current service availability; then
- To in-fill development in areas of current service availability; then
- To areas providing a logical extension of existing facilities and service.

Policy 3.1.2: ***Augmentation Sites and Sources.*** The City will work closely with the SJRWMD to develop the existing permitted augmentation site, and to identify and permit additional supply augmentation sites and sources.

Policy 3.1.3: ***Reclaimed Water and Encouraging Conscientious Use of Reclaimed Water.*** The City will continue its effective recovery of 90% of wastewater to reclaimed water and encourage conscientious use of reclaimed water. Elements of the program may include:

- Public education through printed media, the City’s web site and other means;
- A series of fines for non-compliance; and
- Implementation of metered rates, including tiered rates, if required, to reduce wasteful use.

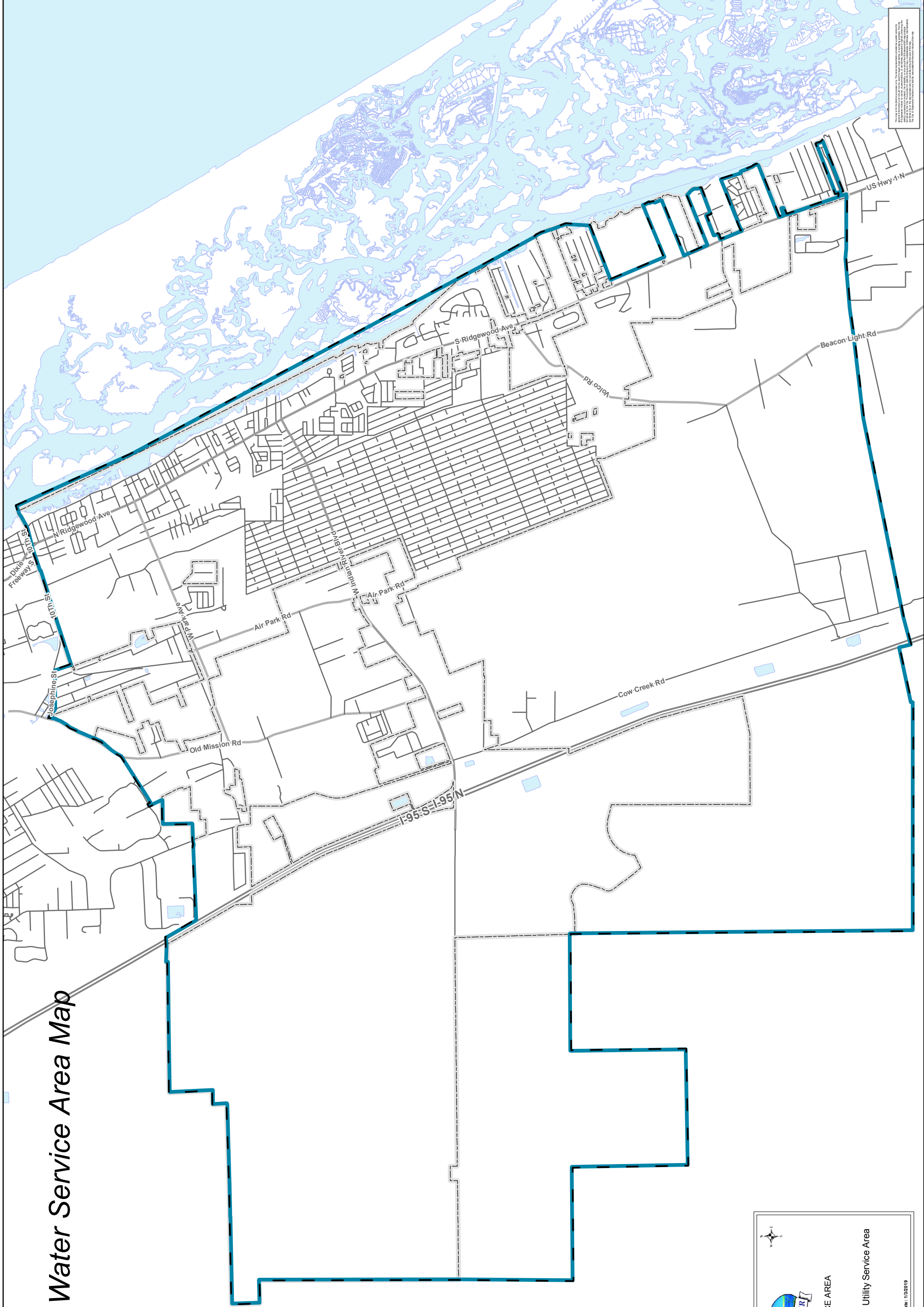
Policy 3.1.4: ***New Development and Substantial Redevelopment Requirement for Reclaimed Water Distribution Systems.*** The City will require new development and substantial redevelopment projects to install reclaimed water distribution systems and whenever feasible to connect to the City’s irrigation water supply system. All such newly installed systems shall be required to provide for future installation of individual meters.

Objective 3.2: ***Innovative Alternative Irrigation Water Supply Systems.*** Promote and consider proposals for innovative alternative irrigation water supply systems that are consistent with the City’s objectives of not using potable water for irrigation and reducing irrigation water quantities in general.

Policy 3.2.1: ***Promoting Reuse of Stormwater.*** The City will work with developers to promote reuse of stormwater from stormwater management areas on the developing property as an irrigation water source and supplement to reclaimed water.

Waste Water Service Area Map

Map 1




WASTE WATER SERVICE AREA

 City Limits
 City of Edgewater Utility Service Area

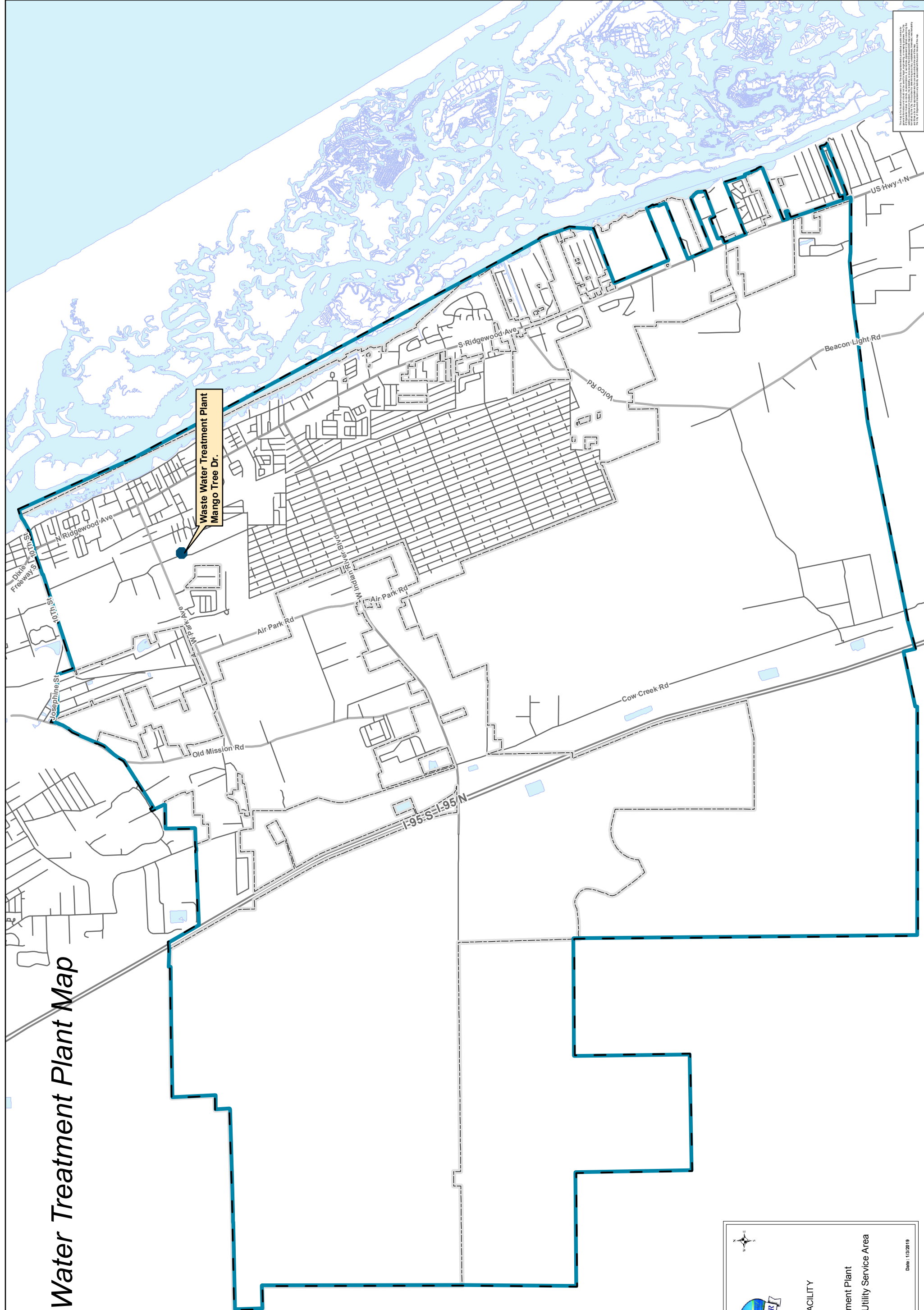
1 inch = 4000 feet
Scale when Printed at 11 X 17
Date: 1/3/2019




Map 1 - Waste Water Service Area Map
Scale: 1 inch = 4000 feet
Date: 1/3/2019

Waste Water Treatment Plant Map

Map 2



Waste Water Treatment Plant
Mango Tree Dr.



CITY WASTE WATER FACILITY

- City Limits
- Waste Water Treatment Plant
- City of Edgewater Utility Service Area

1 inch = 4000 feet
Scale when Printed at 11 X 17

Date: 1/2/2019

Map 2 - Waste Water Treatment Plant Map
This map is for informational purposes only. It is not intended to be used as a legal document. The City of Edgewater is not responsible for any errors or omissions on this map. The City of Edgewater reserves the right to change the map at any time without notice.