

INFRASTRUCTURE ELEMENT:

Goals, Objectives and Policies

Goal 1: The provision of needed public facilities in a timely manner, which provides for public health, safety and welfare, maximizes the use of existing facilities and promotes compact urban development.

Facility Deficiencies

Objective 1.1. The correction of existing public facility deficiencies as determined by the adopted level of service standards within this Plan according to the time tables established by the following policies. To implement this objective the following policies are adopted:

Policy 1.1.1 Priority should be given to work programs for correction of the deficiencies and necessary improvements to facilities in the following order: water supply source; water treatment plant and distribution system; and drainage system.

Policy 1.1.2 Work programs and capital facility improvements to correct existing facility deficiencies shall be coordinated with and supportive of each other.

Policy 1.1.3 The Town through its Utilities Department will provide the Town Council annual reports describing the status of the construction, maintenance and replacement of water and stormwater facilities. These reports shall be submitted to the Town Council prior to budget hearings.

Policy 1.1.4 The Town through its Utilities Department will maintain communication and coordinate with the various private contractors and government agencies that provide solid waste or wastewater services to Town residents. This communication will consist of formal and informal contacts through such things as memorandums of understanding, interlocal agreements, franchise contracts, letters and telephone calls.

Policy 1.1.5 The Town should ensure that a wastewater collection system inspection and condition assessment is undertaken regularly by the Loxahatchee River District in order to document and evaluate the condition of each component, including manholes, pipelines and service laterals. Upon completion of the inspection program, a status report that identifies deficiencies and remedies will be provided to Town Council. This policy will be implemented via a mutually agreeable, signed Interlocal Agreement between the Town and the Loxahatchee River District.

Policy 1.1.6 The Town shall continue to coordinate with the Palm Beach County Solid Waste Authority for the monitoring and disposal of hazardous waste. This coordination, at a minimum, should include the following components:

- a) A procedure to update and inventory the number of businesses handling, storing and/or generating hazardous

- materials and the type and quantity of waste and materials generated within the Town;
- b) Registration of businesses utilizing hazardous materials within the Town through the use of Standard Industrial Classification (SIC) codes on Town and County occupational license applications;
- c) Collection of an additional fee from applicants utilizing or generating hazardous materials to be placed in a trust fund for disposal and emergency cleanup of hazardous materials;
- d) Periodic inspections of the facilities of waste generators and handlers to ensure that proper procedures are being followed;
- e) Procedures for emergency response and cleanup in the event of a hazardous waste spill, including provisions that can be attached as conditions to site plan approvals, when appropriate;
- f) Periodic collection of household and small quantity generator (less than 2200 pounds per month) hazardous waste and materials;
- g) Establishment of a public education program on the proper handling and disposal of hazardous waste and materials; and
- h) A resolution from the Town Council supporting the establishment of a hazardous waste storage/transfer facility within Palm Beach County.

Policy 1.1.7 The Town, through its Utilities Department, should continue regular maintenance of drainage structures, facilities and equipment to ensure efficient operation and

management of stormwater. Swales, ditches and the banks of surface water bodies should be maintained to prevent soil erosion and to allow the natural filtration of stormwater runoff through the planting of suitable shoreline and emergent vegetation.

Policy 1.1.8 The Town, through its Utilities Department, shall continue to work with surrounding local governments and appropriate water control districts to assure adequate drainage for the residents of Jupiter.

Policy 1.1.9 Continue to pursue ownership of all water distribution lines within the service area of the Town's Water Utility.

Policy 1.1.10 The Town, through its Utilities Department, shall continue to coordinate with Palm Beach County to implement the Palm Beach County Wellfield Protection Ordinance, which has county-wide jurisdiction. This ordinance regulates land-use activities within the cones of depression at public wellheads, and is based on the following parameters:

- a) Prohibition of inappropriate land uses within the zones of influence;
- b) Procedures for condemnation and elimination of existing inappropriate land uses;
- c) Structural containment standards for regulated materials (e.g. hazardous and toxic materials);
- d) Requirements for installation of monitoring wells;
- e) Procedures for emergency reporting, cleanup, personnel training and material inventory; and
- f) Establishment of financial

responsibility.

Policy 1.1.11 The Town shall maintain its ongoing monitoring and maintenance program of the water system.

Capital Improvement Priorities

Objective 1.2. The Town will maintain a five-year schedule of capital improvement needs for public facilities, to be updated annually in conformance with the review process set forth in the Capital Improvement Element of this Plan.

Policy 1.2.1 Proposed capital improvement projects will be evaluated and ranked in order of the following priority level guidelines:

- a) The protection of public health, safety and welfare, to fulfill the Town’s legal commitment to provide facilities and services, or to maximize the use of existing facilities;
- b) Serving enclaves, designated redevelopment areas and infill areas within the Town’s identified service area that will allow for efficient provision of necessary urban services.

Future Public Facility Needs

Objective 1.3. The provision of sufficient public facilities to meet projected public demand and development impacts, as they are needed and as determined by the adopted level of service standards within this Plan. To implement this objective the following policies are adopted:

Policy 1.3.1 Five-year public facility work programs, consistent with the Capital Improvements Element of this Plan, shall be evaluated on an annual basis in order to ensure that necessary projects are prioritized based upon current conditions and future resident demand.

Policy 1.3.2 Expansion of service areas shall be based on ability to serve new customers in a cost effective manner without jeopardizing levels of service for present and future customers within existing service areas.

Policy 1.3.3 The Town shall coordinate with the Loxahatchee River District and have periodic updates on implementation of the recommendations of the Loxahatchee River District’s Master Plan.

Policy 1.3.4 New developments requiring sewer service shall not commence until there is adequate wastewater treatment capacity in accordance with the adopted level of service standard.

Policy 1.3.5 The Town shall continue to enforce its ordinance requiring new and existing development to connect to Loxahatchee River District sewer service when such service becomes available.

Policy 1.3.6 Individual package treatment plants and septic tanks are prohibited.

Policy 1.3.7 The Town shall continue to coordinate and cooperate with the Palm Beach County Solid Waste Authority in updating and implementing the county-wide Solid Waste Master

Plan. To this end, the Town puts special emphasis on the following:

- a) Development of a recycling program to include public education and voluntary separation by residents of recyclables and disposables for curb-side collection by the Town;
- b) Development of a hazardous waste management program.

Policy 1.3.8 The Town shall maintain and update the stormwater master plan. This Plan shall meet the requirements of the "National Pollutant Discharge Elimination System" administered by the Environmental Protection Agency, and should include, at a minimum, the following:

An Analysis of:

- a) Identification of Drainage Facilities.
- b) Identification of Geographic Service Areas.
- c) Facility Design Capacity including an analysis of the adequacy of the drainage system based upon historic storm events, including an inventory of areas experiencing flooding problems.
- d) Current Demand.
- e) Levels of Service.
- f) Facility Capacity Analysis including a determination of the condition and regular maintenance needs of the drainage system;
- g) General Performance, Adequacy, and Impact on Natural Resources
- h) Stormwater impacts to quality of receiving waters;

Planning provisions for:

- a) Problems and Opportunities for Expansion including

recommendations for design, construction and maintenance to correct deficiencies.

- b) A system-wide approach to drainage planning based on the Town's future land use plan.
- c) Requirements for drainage basin retrofitting as a stipulation of redevelopment approval. Drainage facility design standards for minimizing impacts of stormwater runoff to receiving waters.

Policy 1.3.9 Wetlands adjacent to Jupiter Creek shall not be reduced in size, in order, to protect developed and developable property in the Choctaw Street area from flooding.

Policy 1.3.10 The Town shall maintain and where necessary, update land development regulations which provide for adequate drainage facilities in conformance with the allowable stormwater discharge criteria consistent with Chapter 62-25, Florida Administrative Code (adopted by reference) Stormwater management systems that are exempt from South Florida Water Management District permitting requirements shall be designed so that post-development runoff volumes do not exceed predevelopment runoff volumes consistent with Chapter 62-25, Florida Administrative Code.

Policy 1.3.11 The Town shall, through the Utilities Department, coordinate all drainage design, construction and maintenance activities that occur within the Town Limits or affect the Town in any way. This will require active and regular communication with and monitoring of Palm Beach County,

Village of Tequesta, Loxahatchee River Environmental Control District, North Palm Beach Heights Water Control District, the South Indian River Water Control District, South Florida Water Management District, Florida Department of Transportation, and private developers.

Policy 1.3.12 The Town, through the Utilities Department, shall continue to update, no less than every five years, and implement the recommendations of the Water System Master Plan. The Water System Master Plan shall include a Water Supply Facilities Work Plan for at least a 10-year planning period addressing water supply facilities necessary to serve existing and new development for which the Town’s utility is responsible. The Town’s Water System Master Plan shall consider and be coordinated with the SFWMD’s Lower East Coast Regional Water Supply Plan.

Policy 1.3.13 The Town’s 2022 Water Master Plan Update and 2019 10-year Water Supply Facilities Work Plan prepared by the Utilities Department are adopted by reference in the Comprehensive Plan.

Policy 1.3.14 Improvements and new construction to the Town potable water distribution shall achieve acceptable fire flow, as well as, drinking water requirements.

Policy 1.3.15 The Town, through its Utilities Department, shall continue to project demand for water through the annual update and adoption of the five-year capital improvement program and budget.

Policy 1.3.16 The Town, through its Utilities Department, shall assure that new development is compatible with existing local and regional water supplies. The Town shall continue to enforce its ordinance requiring all new and existing development to connect to the Jupiter Water System.

Planning for Public Facilities

Objective 1.4 The extension of, or increase in capacity of public facilities shall be coordinated by the adoption of specific criteria for such extension. These criteria shall include, at a minimum, the following policies, which shall be incorporated into the Land Development Regulations to be adopted by December 2010. To implement this objective the following policies are adopted:

Policy 1.4.1 Extension of service to any area is contingent upon approval of the Utilities Department and the Town Council indicating that:

- a) Surplus capacity is available as determined by the Utilities Department;
- b) It would be practical and feasible to provide the service in a long term expansion program; and
- c) Extension would be in the best interests of the Town.

Policy 1.4.2 The Town shall maintain a permitting procedure to ensure that adequate facility capacity exists or will be provided concurrent with development in order to maintain adopted level of service standards.

Policy 1.4.3 The expansion of public facilities shall be limited to those areas identified and adopted, consistent with

the urban growth objectives and policies contained within the Future Land Use Element of this Plan, including infill and redevelopment areas, as the established urban service area.

Policy 1.4.4 The following level of service standards are hereby adopted and shall be used as the basis for determining the availability of facility capacity and the demand generated by a development:

Facility	LOS Standard
Sanitary Sewer	85 gallons per capita per day
Solid Waste	7.13 pounds per capita per day
Drainage Facilities	Projects shall be designed and operated so that off-site discharges meet State water quality standards, as set forth in Chapter 62-25, Florida Administrative Code (adopted by reference)
Potable Water (Residential)	153 Gallons per Capita per Day
Potable Water (Com./Ind.)	100 Gallons/Day/1,000 Square Feet

In order to ensure that these level of service standards are maintained, methodologies for determining available capacity and demand shall incorporate appropriate peak demand coefficients for each facility and for the type of development.

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Conservation of Potable Water Resources

Objective 1.5. Maintain a program for the conservation of potable water resources within the Town. To implement this objective the following policy is adopted:

Policy 1.5.1 The Town shall work together along with state, Palm Beach County and the South Florida Water Management District to continue to implement its water conservation program which includes the following components:

- a) A landscape ordinance which requires the preservation or use of native vegetation as a portion of all new development landscape plans;
- b) Requiring all new developments to utilize treated wastewater irrigation from the Loxahatchee River District if available and economically feasible in the opinion of the Town;
- c) An education program to inform the public of various water conservation techniques and devices;
- d) A leak detection and meter testing and repair program to minimize losses of water in the distribution system;
- e) The integration of the Town's existing emergency water shortage rules; and,
- f) Requiring water saving devices, e.g., irrigation systems, plumbing fixtures, in all new development.

Existing home not containing such devices are encouraged to retrofit such systems.

Policy 1.5.2 Within 18 months of the adoption of SFWMD’s 10-year Lower East Coast Regional Water Supply Plan update and any future updates to the Plan, the Town shall amend its Infrastructure Element to consider the District’s plan updates. These updates will include the following:

- a) The Town’s 10-year water supply plan;
- b) Identification of adequate water supply sources to meet future demand;
- c) Identification of alternate water supply projects.

Protection of Natural Groundwater Recharge Areas and Drainage Features

Objective 1.6. Protect, and where possible enhance the functions of natural recharge areas and drainage features to ensure an adequate supply of recharge waters to the surficial aquifer. To implement this objective the following policies are adopted:

Policy 1.6.1 The Town shall continue to actively enforce development stormwater drainage requirements, which shall be designed and operated so that off-site discharges meet State water quality standards consistent with Chapter 62-25, Florida Administrative Code (adopted by reference).

Policy 1.6.2 The Town shall continue to actively enforce its existing open space requirements for new development. This open space area will preferably preserve existing native

vegetation and will consist primarily of pervious surfaces.

Policy 1.6.3 The Town shall continue its efforts to increase retention/detention capacity of drainage basins in order to reduce stormwater outfall runoff to the Loxahatchee River and its tributaries, and increase groundwater aquifer recharge potential.

Policy 1.6.4 If areas are to be developed the Town shall, where feasible, require retrofitting of the existing stormwater outfall system to provide for greater retention/detention capability.

Policy 1.6.5 New potable water wells and wellfields shall be located in areas where no regulated materials (e.g. hazardous and toxic materials) will be used, handled, stored, or produced within the projected cones of depression of such wells or wellfields. At the time future wellfield locations are identified, establishment of incompatible land uses within the cones of depression of such wells shall be prohibited.