

# INFRASTRUCTURE ELEMENT

## GOALS, OBJECTIVES AND POLICIES

### GOAL

THE TOWN SHALL PRESERVE, PROTECT AND ENSURE A HEALTHY A HIGH QUALITY OF LIFE FOR TOWN RESIDENTS AND BUSINESSES, THROUGH THE MAINTENANCE AND UTILIZATION OF PUBLIC SERVICES AND FACILITIES FOR THE EXISTING AND FUTURE RESIDENTS. MAINTAIN ADEQUATE LEVELS OF UTILITY SERVICES FOR EXISTING AND FUTURE POPULATIONS AND MAXIMIZE UTILIZATION OF EXISTING INVESTMENT AND FACILITIES.

### DRAINAGE SUB-ELEMENT

#### OBJECTIVE 7.1

The Town shall maintain its existing drainage facilities by ~~correcting drainage problems~~ in Town and explore methods of improving the quality of stormwater discharge. The measurement of this objective is the extent to which stormwater pump stations remain in operation. ~~degree to which the following policies are implemented.~~

*According to Public Works, the only drainage problems are ponding on the streets.*

#### POLICY 7.1

~~The Town shall incorporate the funding of drainage improvements in its Capital Improvements Element with first priority to be given to actions that will protect the natural functions of Lake Worth.~~

*According to Public Works this is not an accurate statement*

#### POLICY 7.2-1.1

The Town shall implement a Capital Improvement Program that includes the proactive maintenance of drainage pump stations while maintaining the collection system to the pump stations. A drainage pump station facilities assessment was completed in 2016. A new assessment is being completed in 2024. This assessment will be integrated into the Capital Improvement Program and the Lucity program to track life cycle maintenance. The Town shall implement trunk lines and pump stations as set forth in the Town's adopted drainage improvement program.

#### POLICY 7.3

~~Following the implementation of Policy 7.2, the Town shall re-evaluate needs, priorities, and financing of future storm drainage improvements on residential side streets.~~

#### POLICY ~~7.4~~1.2

The Town shall ~~maintain its Long Range Public Works Plan (Storm Drainage Chapter)~~ to continue to comply with the following items and actions:

~~7.4a The Environmental Protection Agency NPDES Program with respect to methods for instituting water quality analysis of the Town's stormwater discharge into the Lake Worth Lagoon.~~

Repeated intent in 1.4d below

~~7.4b~~1.2a The current FEMA Flood Mapping Data

~~7.4c~~ 1.2b Update existing stormwater system information, as needed

~~7.4d~~1.2c Determine “hot spots” where pollutant loadings and water quality problems are severe, if they exist

~~7.4e~~1.2d Implement NPDES Permit requirement

#### POLICY ~~7.5~~1.3

The Town shall ~~request, coordinate and follow through~~ with the Florida Department of Transportation to maintain drainage collection on State Roads, especially ~~S.R.~~ A.1.A. and South County Road.

#### OBJECTIVE ~~8-2~~

The Town shall only issue ~~D~~evelopment orders and permits for new development or redevelopment ~~shall be issued only~~ if the proposed project meets the Town's adopted level of service ~~standards~~ goals, or if needed expansion of facilities is coordinated with future development.

#### POLICY ~~8-1~~2.1

The Town shall establish the following level of service ~~standards~~ goals:

1. Flooding will not occur during a one-~~(1)~~-year storm for systems served by pumping stations, or during a three ~~(3)~~-year storm for systems with gravity outfalls; and, the minor flooding associated with a five-~~(5)~~-year storm shall be carried off within ~~sixty~~ 60 minutes.
2. Negative impacts of stormwater discharge upon water quality in Lake Worth (Lagoon) are ameliorated by the retention of the first two ~~(2)~~ inches of rainfall on private property prior to discharge into the Town rights of way and then runoff into drainage system, or the post-development runoff does not exceed predevelopment runoff for a three- ~~(3)~~-year one-~~(1)~~-hour storm, whichever is greater.

## POLICY 8.2-2.2

The Town, pPrior to the issuance of a development order or permit, shall review drainage plans and calculations for all projects, and shall make and record a determination that:

For all commercial or residential development or redevelopment, where the proposed work falls into one (1) of the following categories:

- ~~8.2a-2.2a~~      The proposed work exceeds 25% of the market value of the property;
- ~~8.2b-2.2b~~      The proposed work includes the construction of a new swimming pool;
- ~~8.2c-2.2c~~      The proposed work includes the redevelopment of more than 20% of landscaped open space, 20% of the impervious area of the site including buildings, patios, etc. or a combination thereof which exceeds 20%;
- ~~8.2d-2.2d~~      The proposed work includes new driveways or parking areas;
- ~~8.2e 2.2e~~      The proposed work includes replacement or reconstruction of parking areas other than parking areas designed for less than three residential units; or
- ~~8.2f-2.2f~~—      Other development as may be deemed appropriate by the Town Engineer.

## POLICY 8.3-2.3

The Town shall encourage the installation of upgraded storm drainage systems to meet current or new storm water standards on properties which are ~~not otherwise being proposed for redevelopment~~.

### **~~OBJECTIVES AND POLICIES NOT INCLUDED~~**

~~Other than dunes and coastal wetlands, no natural drainage features remain in the Town. Objectives and policies for protecting dunes and wetlands are included in the Coastal Zone Management/Conservation Element, specifically, dunes in Objective 5 and Policies 5.1 through 5.8, and wetlands in Objective 2 and Policy 2.7. Further policies relating to restoration of wetlands are described in Policies 2.1 and 2.3.~~

## **POTABLE WATER SUB-ELEMENT**

### **OBJECTIVE 9 3**

The Town shall only issue dDevelopment orders and permits for new development or redevelopment ~~shall be issued only~~ if potable water capacity is available concurrent with the impacts of the development.

### POLICY 9.1 3.1

The Town shall ~~establish~~ adopt a potable water Level of Service standard in accordance with the City of West Palm Beach or the future provider of potable water, the Town's water provider. The City of West Palm Beach's current Potable Water LOS is 243.3 gallons per capita per day (gpcpd), based upon the 2020 CAR submitted in January 2020.

### POLICY 9.2 3.2

The Town shall require developers to c~~onsultation~~ with the Town's Potable Water Supplier prior to the issuance of a building permit to ensure that adequate water supply is available to serve new development by the date of issuance of its certificate of occupancy.

### Policy 9.3 3.3

The Town shall establish in a timely manner a contract for potable water services to replace the existing agreement with the City of West Palm Beach, which expires in 2029.

## **OBJECTIVE 10.4**

The Town shall, either on its own initiative or through support of, and participation in, a regional effort, undertake a water conservation program. ~~The Town will also address the following water quality issues:~~

- ~~1. Clean water (smell and taste).~~
- ~~2. Water supply (as related to drought, in addition to conservation measures)~~

**This not within the Town's capability**

### POLICY 10.1 4.1

The Town ~~will establish and~~ shall continue to implement a program of public education to promote water conservation, ~~preferably~~ in conjunction with the City of West Palm Beach and the South Florida Water Management District.

### POLICY 10.2 4.2

The Town ~~has adopted~~ shall continue to and implemented regulations ~~that includes a the~~ water conserving landscape design (Florida Friendly) outlined in Code Section 66-286, ordinance applicable to new development and redevelopment.

### POLICY 10.3 4.3

The Town shall continue to ~~modify~~ enforce through the Florida Building Code its land development regulations and other Town codes to require water saving devices in new construction, such as low volume shower heads and toilets, soil tensiometers, or similar control mechanisms, in all irrigation systems and water saving sink faucets.


#### POLICY ~~10.4~~ 4.4

The Town shall continue to implement any lawn watering restrictions enacted by the City of West Palm Beach or the South Florida Water Management District.

#### POLICY ~~10.5~~ 4.5

The Town shall continue to implement and enforce watering restrictions and requires new water sensing devices on new automatic irrigation systems.

### OBJECTIVE ~~11~~ 5

The Town ~~will~~ shall coordinate with the City of West Palm Beach, as the Town's current potable water supplier, in the City's efforts to extend, or increase, the capacity of its potable water facilities ~~or to~~ meet future needs. ~~Town shall also ensure that the water quality shall and~~ meet all federal, state, and county standards.  The measurement of this objective is whether or not the Town coordinates with the City in its efforts, and the extent to which the following policies ~~is~~ are implemented.


#### POLICY ~~11.15~~ 5.1

~~A representative of the~~ Should the City of West Palm Beach remain the Town's potable water service provider past 2029, ~~the~~ Town ~~will~~ shall meet work with representatives of the City ~~of West Palm Beach~~ on an annual basis to coordinate and assist the City in its efforts to establish priorities for replacement of, or corrections of, deficiencies to potable water quality, facilities, as well as provision for future potable water needs.

#### POLICY ~~11.2~~ 5.2

The Town ~~will~~ shall continue to support, ~~coordinating~~ the City of West Palm Beach, as the Town's current potable water provider, with the following as they relate to the implementation of the City's 10 Year Water Supply Facility Work Plan SFWMD, that was originally created a 10-Year Water Supply Facility Work Plan in 2010, and amended it in 2020 (incorporated and adopted herein by reference as Appendix "A"), that takes into account the 2018 Lower East Coast (LEC) Regional Water Supply Plan. The Town City of West Palm Beach shall send a letter to SFWMD with identified projects for future water supply needs of the Town of the service area. Projects must be selected from the LEC Regional Water Supply Plan or must have prior approval by SFWMD. The Town will coordinate with its current water supplier, i.e. the City of West Palm Beach, in this regard. The Town shall address future updates by SFWMD's adoption within 18 months of adoption by SFWMD of a new LEC Regional Water Supply Plan, and subsequent update to the by revising the Town's City of West Palm Beach 10-Year Water Supply Facility Work Plan by updating the Town's 10-Year Water Supply Facility Work Plan.

#### POLICY 11.3

The Town may explore future options for water service following the termination or expiration of the current potable water contract with the City of West Palm Beach. 

#### POLICY 11.4

~~The City of West Palm Beach, the Town's water provider, has updated their 10 Year Water Supply Facility Work Plan and their Comprehensive Plan to identify and incorporate their alternative water supply projects, either identified in the updated regional water supply plan, or identified and proposed by the City of West Palm Beach under s. 373.709(8)(b) and 373.709(2) (a) F.S.; identified the traditional and alternative water supply projects, bulk sales agreements, and the conservation and reuse programs necessary to meet current and future water use demands within the City of West Palm Beach's water use area; and included a water supply facility work plan for at least a 10-year planning period for constructing any water supply facility identified as necessary to serve existing and new development.~~

### **AQUIFER RECHARGE GOAL**

#### **~~MAINTAIN AND IMPROVE THE NATURAL DRAINAGE FUNCTIONS AND QUALITY OF THE SURFICIAL AQUIFER~~**

#### **OBJECTIVE 12.6**

The Town shall protect, and maintain ~~and improve~~ the potential for high recharge, prime recharge and surficial recharge areas within its municipal limits, thereby protecting the remaining natural functions of natural groundwater recharge areas. The measurement of this objective is the degree to which the following policies are implemented.

#### **POLICY ~~12.1~~ 6.1**

The Town shall ~~amend its~~ continue to enforce the land development regulations through Chapter 86 of its Code of Ordinances ~~that~~ that requires that any new development, on lands identified in its Comprehensive Plan as overlying a groundwater recharge area, shall run its stormwater over grassy areas prior to discharge into the Town's system.

#### **POLICY ~~12.2~~ 6.2**

The Town shall continue to prohibit industry and the storage of hazardous materials.

#### **POLICY ~~12.3~~ 6.3**

In the event that the Town utilizes the surficial aquifer as a water source in the future, the Town shall develop, prior to such uses, additional policies which will protect the aquifer from degradation.

#### **POLICY ~~12.4~~ 6.4**

The Town shall continue to identify ~~Existing~~ land uses in the aquifer recharge area ~~will remain~~ presently indicated on the Future Land Use Map.

## **POLICY ~~42.5~~ 6.5**

The Town shall protect high recharge and prime recharge areas commensurate with their significance to natural systems or status as current or future sources of potable water.

### **OBJECTIVES AND POLICIES NOT INCLUDED**

~~No objectives or policies pertaining to discouraging the proliferation of urban sprawl are necessary or applicable in the Town of Palm Beach, because it is virtually fully developed and the only areas for potential development are and the only areas for potential development are located on “in-fill” parcels.~~

## **SANITARY SEWER SERVICES SUB-ELEMENT**

### **OBJECTIVE ~~47~~**

The Town shall assure that all existing and future residents, and businesses in the Town, will have access to sanitary sewer facilities ~~maximize~~ and optimize the use of existing collection and treatment facilities. The measurement of this objective is whether or not sanitary sewer facilities are available to all users, and the extent to which the following policies are implemented.

#### **POLICY ~~4-17.1~~**

The Town shall rehabilitate or replace its sanitary sewer collection lines, as necessary, to reduce infiltration. The Town’s goal is to reduce flows by one (1)-half percent per year through the planning period.

#### **POLICY 7.2**

The Town shall implement a Capital Improvement Program that includes the proactive maintenance of sewer lift stations while maintaining the collection system to the lift stations. A lift station facilities assessment was completed in 2016. A new assessment is being completed in 2024. This assessment shall be integrated into the Capital Improvement Program and the Lucy program to track life cycle maintenance.

#### **POLICY ~~4-27.3~~**

The Town shall, tThrough its concurrency management system ~~the Town will~~ on an annual basis, continue to discuss the Town’s LOS with the East Coast Regional Facility managers and request confirmation of available capacity.

### **OBJECTIVE ~~2-8~~**

The Town shall continue to issue dDevelopment orders and permits for new development or redevelopment ~~shall be issued~~ only if sanitary sewer facilities, necessary to meet the Town's adopted level of service standards, are available concurrent with the impacts of the development.

#### POLICY 2-1 8.1

The Town's level of service for sanitary sewer collection and treatment shall be the same as that established in the City of West Palm Beach's Comprehensive Plan:

#### **Wastewater Collection Development Type**

#### **Avg. Daily Water Flow**

Single Family	350 gpd/DU
Multifamily	250 gpd/DU
Commercial	0.20 gpd/SF
Industrial	0.15 gpd/Sf
Hotel	100 gpd/room

DU=dwelling unit

gpd=gallons per day

SF=Square feet

#### **Pumping Station Peaking Factor**

#### **Avg. Daily Flow (MGD)**

3.5	0.01 to 0.05
3.0	0.05 to 0.25
2.5	0.25 to 2.0
2.0	>2.0

Peaking factors for other facilities shall be determined using historical flow records.

#### POLICY 2-2 8.2

~~The Town shall, prior to the issuance of a development order or permit, the Town shall make and record a determination that the East Central Regional Sewage Treatment Plant retains capacity to treat, and the Town's facilities are adequate to collect and transport, or, that the development order or permit is specifically conditioned on the availability of the necessary facilities and services, and that said facilities are authorized at the time the project is authorized.~~

#### **OBJECTIVE 3-2**

The Town ~~will~~ **shall** coordinate with the ~~City of West Palm Beach~~ **East Coast Regional (ECR) Board in the City of West Palm Beach's** efforts to extend, or increase, the capacity of its sanitary sewer treatment facilities to meet future needs. The measurement of this objective is whether or not the Town coordinates with the City in its efforts, and the extent to which the following policy is implemented.

#### POLICY 3-1 9.1

A representative of the Town ~~will~~ **shall** with representatives of the ~~City of West Palm Beach ECR,~~ upon request, to coordinate and assist the City in its efforts to establish priorities for replacement of, or corrections of deficiencies to, sanitary sewer treatment facilities, as well as provision for future sanitary sewer treatment needs.



## **OBJECTIVES AND POLICIES NOT INCLUDED**

~~No objective for correcting existing sanitary sewer treatment facility deficiencies is necessary or applicable, since the data and analysis provided in the supporting documentation identify that no such deficiencies exist.~~

~~No objectives or policies pertaining to discouraging the proliferation of urban sprawl are necessary or applicable in the Town, because the Town is virtually fully developed and the only areas for potential development are located on "in-fill" parcels.~~

~~No objectives or policies are necessary with regard to protecting the functions of natural groundwater recharge areas, since the only such areas are the surficial aquifer, and these areas are developed with single family homes. Further, no objectives or policies are necessary with regard to protecting natural drainage features, since these have already been largely altered by urban development and the Town has no sanitary sewer treatment facilities, but provides only local collection lines which have no effect upon the area's natural drainage features.~~

## **SOLID WASTE DISPOSAL SUB-ELEMENT**

### **OBJECTIVE 4 10**

The Town shall maximize utilization of its capital facilities, and work with the Palm Beach County's Solid Waste Authority (SWA) to maximize utilization of its new resource recovery facility. The measurement of this objective is the extent to which the following policy is implemented.

#### **POLICY ~~4-1~~ 10.1**

The Town shall, ~~p~~Prior to any development of the Pinewalk area and loss of use of the Pinewalk Transfer Station, ~~the Town shall~~ locate a mainland or on-island site for a replacement transfer station, increase the size of its packer fleet, or explore possible purchase or other alternatives for continued use of the transfer station with officials at Flagler Systems, Inc.

### **OBJECTIVE 5 11**

The Town shall issue d~~e~~velopment orders and permits for new development or redevelopment ~~shall be issued~~ only if the Solid Waste Authority's disposal facilities, necessary to meet the Town's adopted Level of Service standards, are available concurrent with the impacts of the development.

#### **POLICY ~~5-1~~ 11.1**

The Town's level of service for garbage collection and disposal shall be 2.55 ~~pounds/person/day~~ tons per year.

#### **POLICY 5.2**

~~Prior to the issuance of a development order or permit, the Town shall make and record a determination that the Town has adequate capacity to collect, and the County's Solid Waste Authority has adequate capacity to dispose of, garbage generated in the Town, at the average rate of 2.55 pounds per person per day; or, that the development order or permit is specifically conditioned on the availability of the necessary facilities and services, and that said facilities are authorized at the time the project is authorized.~~

## **OBJECTIVE 6**

~~The Town will coordinate with the Palm Beach County Solid Waste Authority in its efforts to extend or increase the capacity of its solid waste disposal facilities to meet future needs. The measurement of this objective is whether or not the Town coordinates with the Water and Sewer Authority in its efforts, and the extent to which the following policy is implemented.~~

### **POLICY 6.1 11.2**

~~A representative of the~~ The Town ~~will shall~~ will ~~meet with representatives of~~ coordinate with the ~~Solid Waste Authority SWA,~~ Solid Waste Authority SWA, upon request, to ~~coordinate and~~ assist in its efforts to establish priorities for replacement of, or corrections of deficiencies to, solid waste disposal facilities, as well as provision for future solid waste disposal needs.

## **OBJECTIVES AND POLICIES NOT INCLUDED**

~~No objectives or policies are necessary with regard to correcting existing solid waste disposal facility deficiencies, since the information contained in the supporting documentation indicates there are no such deficiencies.~~

~~No objectives or policies pertaining to discouraging the proliferation of urban sprawl are necessary or applicable in the Town of Palm Beach, because it is virtually fully developed and the only areas for potential development are located on "in-fill" parcels.~~

~~No objectives or policies are necessary with regard to protecting the functions of natural groundwater recharge areas, since the only such areas are to the surficial aquifer, and these areas are developed with single family homes. Further, no objectives or policies are necessary with regard to protecting natural drainage features, since these have already been largely altered by urban development, and the Town has no solid waste disposal facilities, but provides only local collection and transfer which have no effect upon the area's natural drainage features.~~