Infrastructure Element

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Goal 1: The Town will ensure that infrastructure facilities provided to it by other governmental entities as well as those provided by the Town will be provided in a manner which is sufficient to meet existing and future needs and is economically efficient and environmentally sound.

Objective 1:
The Town will continue to implement procedures to insure that at the time a development permit is issued, adequate facility capacity is available or will be available when needed to serve the development.

Policy 1.1: The following Level of Service (LOS) 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	Level of Service (LOS)
Sanitary Sewer	200 gal./residential unit/day 200 gal./equivalent res. unit/day
Solid Waste	8.32 pounds/person/day
Potable Water	≤ 110 gallon per capita per day (gpcpd) (residential) ≤ 110 gallon per capita per day (gpcpd) (non-residential)
Drainage	Retention of 1st 1 inch of rainfall on site and designed for the 25 year 24 hour storm

Policy 1.2: Maintain close coordination with the County and the City of Melbourne, to ensure that the Town is afforded the opportunity to provide input on rate changes and system design.

Policy 1.3: The Town shall support improvements to or replacement of water and sewer lines which would reduce costs and adverse environmental impacts.

Policy 1.4: The Town will continue to make available to each service provider a report of development activity every six months or as requested by the service provider.

Policy 1.5: On an annual recurring basis, the Town will work with the County and the City of Melbourne to establish priorities, correct existing facility deficiencies, and provide for future needs. This will include potable water, solid waste, and sanitary sewer. This policy shall be implemented through the directives set forth in the Intergovernmental Coordination Element.

Policy 1.6: Although data indicates that there is presently no service level deficiency in water, solid waste, or sanitary sewer service, if a service deficiency falling below the level of service assigned by this Plan is identified in water, sanitary sewer, or solid waste service, the Town will, within 60 days, take the following actions to resolve the problem: 1) attempt to determine the significance of the service level deficiency; 2) meet with the provider of the service to further ascertain the

significance of the deficiency, determine the duration of time that the service deficiency is expected to continue, examine the temporary use of service provision through alternative sources and relative cost of service provision by alternative sources; 3) meet with the applicable agency to examine alternatives to resolve the service deficiency; and 4) in a timely manner, report findings, alternative solutions, and costs of solutions to the Town Council for the initiation of an appropriate solution, if the Council so determines.

Policy 1.7: The Town shall issue no development orders or building permits without first consulting with the City of Melbourne (the Town's potable water service provider) to determine whether adequate water supplies to serve the development will be available no later than the anticipated date of issuance by the Town of a certificate of occupancy or its functional equivalent. The Town will also ensure that adequate water supplies and facilities are available and in place prior to issuing a certificate of occupancy or its functional equivalent.

Policy 1.8: The Town shall maintain and enhance as needed the existing franchise agreement for potable water with the City of Melbourne. Prior to July 29, 2017, the Town shall renew the franchise agreement with the City of Melbourne or other available provider.

Objective 2:

The Town will continue to implement its comprehensive stormwater drainage study and any subsequent updates to the study. (Brevard County supplies solid waste collection and disposal and the City of Melbourne supplies water, therefore, this objective does not address those services.)

Policy 2.1: The Town will utilize its comprehensive stormwater drainage inventory and engineering plan and will review and revise the drainage study as necessary, but not to exceed every 5 years.

Policy 2.1.1: The drainage study which examines: 1) present deficiencies; 2) projected future needs; 3) engineering and construction necessary to complete any retrofitting or future needs; 4) cost of construction; and 5) proposed construction schedule will be utilized to reduce local flooding and the discharge of untreated stormwater runoff into the Indian River Lagoon.

Policy 2.1.2: The Town shall use its LDRs to reduce local flooding and the discharge of untreated stormwater runoff into the Indian River Lagoon.

Policy 2.1.3: The Town shall continue to enforce its land development regulations to control the discharge of organic materials, fertilizer, pesticides, sediment and organic materials into the stormwater system. To the extent of the level of service set forth in Policy 1.1 of this element, the discharge of untreated storm water runoff from new development is prohibited.

Policy 2.2: The Town will continue to cooperate with the State in determining stormwater, flooding, and discharge problems connected with S.R. A1A and U.S. 192 (a/k/a S.R. 500) and with the County for N. Riverside Drive.

Policy 2.3: Support the County effort to acquire additional land for solid waste management so that the design capacity will meet the needs of the Town.

Policy 2.4: Support a recycling program which is economically feasible as well as a hazardous waste management program.

Objective 3:
9J-5.011(2)(b)3 is not applicable since the Town is almost built-out and can receive only infill development. (Discouraging urban sprawl.)

Objective 4:
The Town will support the City of Melbourne in conserving the current water source at Lake Washington and in continuing the search for a more reliable source that is dependable and economically feasible.

Policy 4.1: Work with the City of Melbourne to ensure that all areas of the Town have the proper size water lines to serve fire protection needs.

Policy 4.2: Work with the City of Melbourne to ensure that all water lines are flushed as frequently as needed to provide sediment free potable water.

Policy 4.3: The Town will promote water conservation through the enforcement of the adopted Florida Building Code which requires such items as low-volume commodes, water flow restrictions for showers and spigots and similar devices in all new construction and renovations.

Policy 4.4: Continue to enforce the Water Shortage Ordinance which can be implemented by either notice from the St. Johns River Water Management District or by determination of the Town Council.

Policy 4.5: Recognizing that the Town is located in an area that the SJRWMD identifies as a "priority water resource caution area", the Town shall maintain community per capita usage of potable water at or below 110 gallon per capita per day (gpcpd) and will continue to work together with the City of Melbourne and the SJRWMD to reduce demand within the Town for potable water.

Policy 4.6: The Town will continue to cooperate with the St. John's River Water Management District (SJRWMD) in its efforts to restrict the unnecessary consumption of potable water, particularly as it relates to irrigation, lawn watering, and car washing during periods of drought, supply reduction, and other emergencies.

Policy 4.7: The Town shall inform residents and businesses of, and shall encourage their participation in, the City of Melbourne's available water conservation programs such as the toilet replacements rebate program.

Policy 4.8: The Town shall participate in local water conservation education efforts with the SJRWMD, the City of Melbourne, and the Brevard County School Board.

Policy 4.9: The Town adopts the Water Supply Facilities Work Plan into its Comprehensive Plan for the planning period of 2009 through 2019, and will maintain a Water Supply Facilities Work Plan that is coordinated with SJRWMD's District Water Supply Plan and the City of Melbourne by updating its own work plan within 18 months of an update to SJRWMD's District Water Supply Plan of areas that affect the Town.

Policy 4.10: The Town shall provide informational brochures on proper irrigation operating instructions for the public by the end of 2009. These brochures will be made available at Town Hall.

Policy 4.11: The Town will promote and encourage the use of low impact development techniques (such as the Florida Water Star℠ program, which is a point based, new home certification program for water-efficient developments, similar to the federal Energy Star program).

Policy 4.12: The Town shall develop a water audit program for all Town facilities, including irrigation by the end of 2010. The Town shall also consider developing a water audit program, including irrigation systems, for the public.

Policy 4.13: The Town shall develop a leak detection and repair program for all Town facilities by the end of 2010. It shall also inform and encourage its businesses and residents to adopt such a program for their own individual properties.

Objective 5:
The Town will continue to identify and map any prime natural groundwater recharge areas.

Policy 5.1: Encourage residents to conserve the return water from water-to-air units in those instances where the dwellings were built prior to the requirement for a return well. This could be done by the provision of a return well or running the water through an irrigation system.

Policy 5.2: The Town will coordinate with other local agencies, the State, and the Federal government to achieve regional aquifer recharge protection objective.