

2.4 Public Facilities and Services

2.4.1 Sanitary Sewer

Goal 1: To provide sanitary sewer facilities that protect ground and surface water quality, promote orderly and compact growth, and enable the local government to expand its economic base.

Objective 1.1 *The local government shall adopt a capital improvement program that provides sanitary sewer services so as to encourage compact growth and protection of natural groundwater resources.*

Policy 1.1.1 Municipal sewer collection lines shall not be extended to areas outside of municipal boundaries, except for PUD's, educational facilities, and industrial parks or sites located within the urban service zone of the municipality providing such services. Areas designated as "agriculture" and "rural residential" on the Future Land Use Map within a municipality shall not have sewer line extensions; however, sewer service may be extended to development in "agriculture" or "rural residential" land use categories and other land use categories outside urban service zones if it is shown that sewer service would reduce significant amounts of contamination of potable water sources.

Objective 1.2 *Correct existing deficiencies as identified under Department of Environmental Protection (DEP) Consent Orders. Provide additional service to areas where development is encouraged on the Future Land Use Maps, concurrent with development. Provide guidelines for on-site sewage disposal systems in areas not served by sanitary sewers.*

Policy 1.2.1 The City of Bonifay will repair and/or replace lines where Infiltration and Inflow (I&I) are discovered throughout the planning period.

Policy 1.2.2 The City of Bonifay shall maintain Level Of Service standards for the municipal sewer system are as follows:

<u>Facility</u>	<u>Location</u>	<u>2010 LOS</u>
City of Bonifay	Bonifay Service Area	270 gpcpd

Policy 1.2.3 The municipal sewer system shall provide additional sewer services to areas of identified "residential", "commercial", "mixed use", "industrial", and "public/semi-public/educational" designations as shown on the Future Land Use Map, as long as the established level of service is not exceeded. Priority for establishing new service shall be limited to: 1) Locations within the municipality; and 2) Locations within the municipality's urban service zone.

Policy 1.2.4 Effluent from any Waste Water Treatment Plant (WWTP) or package plant shall be continuously monitored to meet minimum waste load allocations to areas of discharge, as established by DEP.

Policy 1.2.5 The local government operating a wastewater treatment system shall continuously monitor the maintenance of the system, and annually evaluate the need for maintenance and repair in the Capital Improvements Element.

Policy 1.2.6 On-site sewage disposal systems shall be permitted where sewer services are not available within 200 feet of a dwelling or business, in accordance with Chapter 10D-6, FAC. Property owners shall be required to connect to sewers within one year of availability, as defined by Chapter 10D-6, FAC.

2.4.2 Solid Waste

Goal 2: Ensure that adequate solid waste collection and disposal services are available to all citizens and businesses in the most cost effective and environmentally sound manner possible.

Objective 2.1 *Private and/or public solid waste removal services shall be available in all portions of the City. Inconvenience brought upon citizens due to geographic locations of landfills will be minimized or eliminated.*

Policy 2.1.1 The City will monitor the availability of private solid waste collection services for all residents and businesses in their jurisdiction.

Objective 2.2 *Establish levels of service for solid waste disposal capacity. Ensure landfill space for established LOS standards throughout the planning period. Implement a municipal recycling program. Establish and maintain a hazardous materials transfer facility.*

Policy 2.2.1 The City hereby adopts a level of service standard for solid waste of 3.80 pounds per capita per day.

Policy 2.2.2 The City will continue to utilize the Springhill Regional Landfill in Jackson County as the City's solid waste disposal site. Class I, II and III landfills are prohibited in Holmes County.

Policy 2.2.3 The City of Bonifay shall coordinate with the County and the County's private solid waste collection providers to establish whether a need exists for a solid waste transfer station and, if so, to identify a suitable site(s) and time frame for development of this facility as well as possible sources of funding.

Policy 2.2.4 The City of Bonifay will continue its recycling program for the County and municipal citizens and businesses. Promotional materials and/or advertising shall be distributed by each local government to encourage citizens to recycle. Grants through state, federal, and private sources will be pursued.

2.4.3 Stormwater Management

Goal 3: Provide adequate stormwater management to include reasonable protection from flooding, while protecting the quality of receiving waters and investments in drainage facilities.

Objective 3.1 *The City of Bonifay shall initiate efforts to plan for the overall management of stormwater.*

Policy 3.1.1 The City shall complete a Comprehensive Stormwater Master Plan. This may be done independently or cooperatively through interlocal agreements; however, any Stormwater Master Plan produced independently by the City shall be consistent with similar plans for unincorporated areas of Holmes County.

Policy 3.1.2 Priorities for replacement, correction of deficiencies that may be shown in the stormwater management plan and providing for future facility needs shall be as follows:

1. When facilities must be replaced they shall be constructed according to the adopted level of service standards;
2. Correction of any remaining deficiencies shall be through the following implementation measures:
 1. Where feasible, new roads shall be designed and constructed and existing roads overlaid providing for stormwater management according to adopted level of service standards according to the time frame adopted in the Capital Improvements Element;
 2. The City shall coordinate with Natural Resource Conservation District erosion and sedimentation control programs and water quality improvement programs.
3. Development orders for new development and redevelopment shall not be issued until the applicant provides proof of DEP, Army Corps of Engineers, or other applicable federal or state agencies, permit or exemption and proof of meeting adopted level of service standards for stormwater management.

Policy 3.1.3 The development and adoption of a Comprehensive Stormwater Master Plan for the City shall be developed using professional engineering studies of the drainage basins within the City. The plan shall be made in cooperation with the Department of Environmental Protection and Northwest Florida Water Management District. The plan shall include an inventory of existing facilities and shall recommend needed stormwater management improvements, analyze the adopted level of service standards and recommend alternative standards if necessary.

Objective 3.2 *Coordinate the extension of or increase the capacity of stormwater management facilities to meet future needs. This shall be accomplished in part through enforcement of land development regulations that protect the quantity and quality of stormwater runoff and that ensure that the capacity of stormwater management facilities is designed to meet projected needs.*

Policy 3.2.1 Stormwater management facilities necessary to accommodate new development shall be designed and constructed by the development. The cost for design, construction and maintenance for stormwater management facilities for developments shall be the sole responsibility of the developer until accepted by the City for permanent maintenance by the City.

Policy 3.2.2 Projects to retrofit stormwater management facilities shall be prioritized by population served, vehicle traffic counts, quality and use of receiving waters, and ability of the facility to handle existing flows.

Policy 3.2.3 The City hereby adopts a minimum water quality level of service standard to require stormwater facilities which provide retention, or detention with filtration, of the run-off from the first one inch of rainfall; or, as an option for projects with drainage areas less than 100 acres, facilities which provide for retention, or detention with filtration, of the first one-half inch of run-off or provide for the discharge of stormwater equal to predevelopment levels, whichever is greater and ensure that the stormwater discharged will not degrade the receiving body of water below the state standards outlined in Section 17-302.500, Florida Administrative Code. Based upon the findings of the Stormwater Master Plan, the City shall consider the need for a more stringent level of service in areas of special need.

Policy 3.2.4 The City hereby adopts a minimum water quantity level of service that requires the first one (1) inch of runoff from the property be retained on the site of the development and post-development runoff shall not exceed the pre-development runoff rate for a twenty-five (25) year storm event, up to and including an event with a twenty-four (24) hour duration. The LDR shall include design and performance standards that meet Section 17-25.025, Florida Administrative Code (F.A.C.) and Section 17-3.051, F.A.C.

The level of service standard for stormwater management on City roads shall allow street gutter systems to flow over full; however, ten to twelve feet of the road crown may not be submerged so as to allow traffic to move at a slightly reduced speed. Stormwater swales and ditches may be full with water overflowing the tops and edges in some locations and may be ponded eight to ten feet onto private property and yards. Inlets and culverts may flow full to overfull slightly backing up water at entrances.

Policy 3.2.5 No approvals for development shall be issued for new development which would not comply with the adopted level of service.

Objective 3.3 *Stormwater management regulations will be incorporated into the land development regulations. Revisions to the LDR will be made after the completion of a Stormwater Master Plan, as necessary.*

Policy 3.3.1 Stormwater management regulations will prohibit the alteration of existing drainage features unless such alterations will not create adverse impacts in the form of decreased performance for upstream and downstream areas. The evaluation of adverse impacts shall be by acceptable engineering methodologies and shall consider storage volume, conveyance capacity, water quality and maintenance. Stormwater management regulations shall require that future development utilize the stormwater management plan(s) as a basis for design.

Policy 3.3.2 Stormwater management regulations will:

- (a) Require that new developments provide stormwater management systems which meet the water quality and quantity levels of service defined in Drainage Policies 3.2.3 and 3.2.4;
- (b) Require that appropriate stormwater engineering, design and construction standards for on-site systems are provided and utilized;
- (c) Require that erosion and sediment controls are used during development;
- (d) Require that the owner provide periodic inspection and maintenance of on-site systems, unless the City for maintenance accepts the system;
- (e) Require buffer zones for areas adjacent to natural drainage features;
- (f) Provide for new commercial, industrial, public and residential developments to integrate their stormwater management systems into their project's landscaping, open space, or recreational areas and to require the maintenance of the building lot's native vegetation in order to absorb stormwater run-off; and,
- (g) Include provisions to prevent the creation of breeding areas for disease-carrying vectors, such as mosquitoes; and
- (8) Prohibit the channeling of stormwater runoff directly into water bodies.

2.4.4 Potable Water

Goal 4: To efficiently provide adequate supplies of potable water in the City of Bonifay for domestic, business, industrial, and outdoor uses, to provide for the conservation of potable water, and to provide adequate volume and flow for all purposes.

Objective 4.1 *The City shall implement procedures to correct potable water deficiencies to its well and delivery systems and serve future development within the adopted service area.*

Policy 4.1.1 The City adopts the following as its level of service for the provision of potable water:

1. Quantity- 276 gallons per capita per day (gpcpd)
2. Pressure- LOS of 35 psi at point of delivery
3. Minimum Storage Capacity -Sufficient storage to provide one half of the maximum daily system demand in combination with standby pumping capacity.

Policy 4.1.2 The City shall initiate a study for the need for new wells or potable water sources when the total use of the municipal water system reaches 85% of capacity.

Policy 4.1.3 The City shall continuously investigate suspected areas of major water line leaks and repair such leaks to reduce the loss of potable water in the municipal water system. Priority for repairs will be given to locations of known older water lines or to areas where reconstruction of underground facilities is scheduled.

Policy 4.1.4: Proposed upgrades to the system, including extension of distribution lines, shall be prioritized according to the degree each alleviates existing deficiencies, promotes infill development, and promotes growth in accordance with the "Future Land Use Map Series". The needs of water customers within the existing service area shall be met before extensions are constructed outside of present service area boundaries.

Policy 4.1.5 Improvements to the potable water system shall be timed to ensure capacity is available to serve future development in accordance with the "Future Land Use Element" of this plan. Development orders will not be issued until capacity equivalent to that identified under Policy 4.1.1 becomes available from the public water system.

Policy 4.1.6 The City of Bonifay will consider the impacts of development on the potable water system when surrounding unincorporated areas are being considered for annexation into the City. The City shall project the average demand of potable water in the proposed annexed area according to the City land use designations on the Bonifay Future Land Use Map.

Policy 4.1.7 All new development shall be required to connect to the public water system in the City of Bonifay upon adoption of the plan. Industries may use private wells if such use does not interfere with the quantity or quality of water withdrawn from public wells.

Objective 4.2 *The City shall require water conservation fixtures and conservation irrigation techniques for landscaping in new development so as to maintain the adopted LOS standards throughout the planning period. (Conservation irrigation techniques shall not be construed to apply to agricultural activities.)*

Policy 4.2.1 Water conserving devices shall be required in all new and reconditioned development and structures. Water conservation devices include, but are not limited to, fixtures for water closets, showerheads, and faucets. New and reconditioned public restrooms shall be required to have fixtures which have automatic shut-off features.

Policy 4.2.2 New development, public or private, shall be required to protect natural vegetative communities on development sites, use native vegetation in landscaping, and use xeriscaping (no or low water landscaping techniques) in areas of public access (i.e. parking lot buffers, medians, landscaped areas).

Objective 4.3 *Afford protection to wellheads so as to reduce the possibilities of contamination near new and existing wells.*

Policy 4.3.1 Protection zones will be established around existing and future public wellfields. The City will establish a 200-foot radius zone of exclusion around wellheads that excludes future development near wells, and a 500-foot radius buffer zone limiting land uses to development that could not contribute to groundwater contamination around new and existing wellheads.

Objective 4.4 *The City will maintain a five-year schedule of capital improvement needs for water system facilities, to be updated annually in conformance with the review process for the Capital Improvements Element.*

Policy 4.4.1 The City will evaluate and rank capital improvement projects proposed for inclusion in the five-year schedule of capital improvement needs.

Objective 4.5 *The Municipal water system shall follow standards established for other local governments for potable water services.*

Policy 4.5.1 The City shall follow State and Federal standards for potable water as established by the Department of Health.

2.4.5 Natural Groundwater Aquifer Recharge

Goal 5: Provide protection for the natural functions of groundwater aquifer recharge areas.

Objective 5.1 *The function of natural groundwater recharge to the Sand-and-Gravel Aquifer and Floridan Aquifer shall be protected through the regulation of land uses and provision of adequate open space.*

Policy 5.1.1 The City shall continue to require new development to provide for on-site percolation of stormwater.

Policy 5.1.2 The City shall continue to require new development to protect and/or create vegetated areas to provide natural pervious surfaces for Sand and Gravel and Floridan Aquifer recharge.

Policy 5.1.3 For the purposes of aquifer recharge protection, Land development regulations shall prohibit land uses that discharge substances that have the potential to infiltrate and degrade the quality of groundwater. All existing potable water wellfields which supply potable water for public consumption shall incorporate a minimum five-hundred (500) foot prohibited development zone around the perimeter of the well. All new wells which supply potable water for public consumption in the City shall be required to establish a two-hundred (200) foot zone of exclusion immediately surrounding the new wells and overlaying the five hundred (500) foot Wellfield Protection Zone.

Policy 5.1.4 The City of Bonifay shall rely on the Northwest Florida Water Management District (NFWFMD) to provide data for identifying the location of high aquifer recharge areas. This data is not currently available on the City or County level for Bonifay and Holmes County but may become available on the County level in the future. A generalized map of aquifer recharge areas for the northwest Florida region, as produced by the NFWFMD, has been included in the Future Land Use maps series. At such time as more detailed data or a more specific map is available, the Land Development Code shall be updated to contain a definition and map of potential aquifer recharge areas in Bonifay.

Policy 5.1.5 Bonifay is at least partially located in a vulnerable/more vulnerable area for aquifer recharge according to Florida Aquifer Vulnerability Assessment (FAVA) data. As such, land uses that pose a threat of contamination to groundwater, such as commercial and industrial uses or solid waste transfer stations or processing facilities, are to be prohibited in wellhead protection zones as well as in high aquifer recharge. These high impact land uses shall be prohibited adjacent to natural areas such as wetlands, streams and other surface water bodies without a vegetative buffer as provided for in the Bonifay Land Development Regulations.

Policy 5.1.6 Bonifay shall limit the amount of allowable impervious surfaces through enforcement of the maximum allowable Impervious Surface Ratios established in Policy 5.1 of the Future Land Use Element.

Policy 5.1.7 Bonifay shall manage stormwater runoff in order to reduce sedimentation and non-point pollution by modifying the land development code as discussed in Section 2.4.3, Stormwater Management.

Objective 5.2 *Provide assistance for the identification of potential hazardous storage sites/underground storage facilities to appropriate state agencies to eliminate such contamination.*

Policy 5.2.1 The City shall cooperate with state and federal investigations whose purpose is to identify potential groundwater contamination sources within their jurisdictions.