Hillsborough County: HC/CPA 20-07
Text Amendment – One Water

Meeting Date | June 8, 2020
---|---
Meeting Type | Briefing
Staff Planner | Melissa Dickens, AICP, dickensm@plancom.com, 813-273-3774 ext. 355
Action Necessary | No
Attachments included in Staff Report:
Attachment A – Review Agency Comments (Forthcoming)
Attachment B – One Water Chapter Draft Text
Attachment C – One Water Chapter Draft Maps

Summary Information

Application Type | Publicly Initiated
Other Considerations | N/A
Purpose of Amendment | The One Water Chapter serves as the first portion of the 2045 updates to the Unincorporated Hillsborough County Comprehensive Plan. This amendment updates, modernizes, and combines the water resources-related language and maps throughout the Comprehensive Plan, and synthesizes language previously housed in separate Elements to reflect the interrelated nature of water.

The update replaces the existing Potable Water, Sanitary Sewerage, and Stormwater Management Elements, incorporates water resources-related language from other Elements, and provides a framework for new County initiatives such as green infrastructure and coordinated water resources planning.

The draft language was developed via a collaborative effort with staff from various water resources disciplines across Hillsborough County, and incorporates feedback provided by the Southwest Florida Water Management District, the Environmental Protection Commission, Tampa Bay Water and the Florida Department of Economic Opportunity.

Additional information can be found on the One Water project page: [http://www.planhillsborough.org/one-water/](http://www.planhillsborough.org/one-water/)
Proposed Changes

Please see Attachment B for the proposed One Water Chapter draft text.

Please see Attachment C for the proposed One Water Chapter draft maps.

The text and maps replace the currently adopted Potable Water, Sanitary Sewerage, and Stormwater Management Elements and incorporate water resources-related language and maps from other Elements. A full strikethrough/underline will be provided prior to the public hearings in August.
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Attachment A

Review Agency Comments

Agency comments will be provided as part of the August public hearing agenda materials.
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One Water Chapter Draft Text

Following the Planning Commission and Board of County Commission review and comment, the Goals, Objectives and Policies will be re-formatted for consistency with the formatting of the introductory materials.
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One Water

Protect and Preserve

Water Conservation

Integrated Water Resource Management

Discourage Sprawl and Encourage Redevelopment

Sustainable Infrastructure and Programs

Low Impact Development
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One Water

General Drainage, Potable Water, Sanitary Sewer, and Natural Groundwater Aquifer Recharge Element per Chapter 163

Introduction

One Water represents a holistic and integrated approach to planning for potable water, wastewater, stormwater, and the natural environment within Hillsborough County. The concept rests on the knowledge that all water is interrelated, and all water has value. Matching the right water resource to the right use can be used as an innovative solution to meet growing population demands. Viewing water holistically enables the County to be more flexible and quick to address threats like storm surge, changing rainfall patterns, and the increased need for resiliency.

The One Water Chapter synthesizes and modernizes the water resources-related language that previously lived in siloed Elements. The Chapter combines the Potable Water, Sanitary Sewerage, and Stormwater Elements as well as water resource related language from the Conservation and Aquifer Recharge, Future Land Use, Coastal Management, and Capital Improvements Elements. In addition, the Chapter contains new language that is on the forefront of water resources management, such as green infrastructure, multi-use projects, and coordinated water infrastructure planning.

The Chapter is a collaboration between stakeholders from the One Water Working Group, which represent staff from across the County: the Water Resources Department, Environmental Management Division, Development Services Department and Engineering and Operations Department. Via this integrated approach to Comprehensive Planning, the One Water Chapter sets the stage for implementation of creative programming by the County. The Chapter ensures projects consider the impact of one resource on another and take a holistic view to optimize resources and maximize benefits across the County.
Goals

1. Protect and preserve water resources.

2. Increase water conservation.

3. Pursue opportunities for integrated water resource management.

4. Discourage sprawl, encourage redevelopment and fiscal sustainability.

5. Fiscally and environmentally sustainable water resources infrastructure and programs.

6. Expand the use of Low Impact Development (LID) principles in the built environment.

No matter who we are, where we live, or what we do, water connects all of us.

When we embrace the belief that water in all its forms has value—water in our lakes, seas, rivers, streams, drinking water, wastewater, and stormwater—the full water life cycle can be optimized to build strong economies, vibrant communities, and healthy environments.

– US Water Alliance
GOAL 1:
Protect and preserve water resources.

Objective 1.1:
Protect, and where feasible, improve water resources via a robust regulatory framework.

Policies:
1.1.1 Meet or exceed regulatory standards for all water systems.
1.1.2 Maintain technical design standards for water resources infrastructure that protect human health, safety and the environment.
1.1.3 Stormwater technical design standards will address the cumulative impacts on flooding and water quality.
1.1.4 For new development, there shall be no direct discharge into riverine systems, lakes, streams or creeks from adjacent development without first providing adequate water quality treatment.
1.1.5 Utilize Low Impact Development (LID) or green infrastructure type treatment systems where feasible.
1.1.6 Prevent the introduction of harmful materials and/or chemicals into the County wastewater and stormwater system.
1.1.7 New development, and nonresidential and nonagricultural redevelopment/expansions shall meet water quality standards and shall have a runoff rate and duration that is substantially similar to that for predevelopment conditions.
1.1.8 Support the reclassification of surface waters and groundwater aquifers to accommodate higher standards, where it can be demonstrated that improved water quality conditions will prevail in the future.
1.1.9 Minimize the impact of maintenance work on natural features of storage and conveyance areas.

Objective 1.2:
Continue to collaborate with state, regional and local agencies to ensure the provision and protection of water resources.

Policies:
1.2.1 Coordinate with the Southwest Florida Water Management District (SWFWMD) to ensure minimum freshwater flows and levels are scientifically determined and maintained to support natural optimal diversity and productivity in estuarine areas; that new and existing water supply development projects are permitted at quantities that will not violate established permit limits. Implement recovery strategies where applicable; and assist with the Quality Water Improvement Program (QWIP) through the identification of abandoned wells.
1.2.2 Collaborate with the Environmental Protection Commission (EPC) and SWFWMD to ensure that consumptive use of groundwater or drainage does not adversely lower water tables or surface water levels, reduce base flows, adversely affect lakes or wetlands, or increase current levels of saltwater intrusion by including these agencies in the appropriate development approval processes.

1.2.3 Coordinate with appropriate regulatory agencies to require municipal and industrial point sources of water pollution or sources of significant loadings to establish and implement water quality management plans. These plans shall include nutrient monitoring and control programs that eliminate or improve discharges or significant nutrient loadings into Tampa Bay and its tributaries.

1.2.4 Collaborate with state, local and regional agencies to ensure compliance with the Underground Storage Tank (UST) Program, especially in areas of demonstrated high aquifer recharge/contamination potential, by including these agencies in the appropriate development approval processes.

1.2.5 Abate agricultural activities’ water quality impacts through the enforcement of the County’s Stormwater Quality Management Ordinance, and through coordination with SWFWMD, Florida Department of Environmental Protection (FDEP), Florida Department of Agriculture and Consumer Services, and the EPC of Hillsborough County.

1.2.6 Evaluate options for joint stormwater planning with adjacent jurisdictions to coordinate cross-jurisdictional drainage issues.

1.2.7 Evaluate and implement projects which contribute to the goals and priorities of the Tampa Bay Estuary Program (TBEP), National Pollutant Discharge Elimination System (NPDES), the Surface Water Improvement and Management (SWIM) program of SWFWMD, as developed in Basin Management Action Plans for the implementation of Total Maximum Daily Loads (TMDLs), and as otherwise needed to meet TMDL requirements.

Objective 1.3:
Ensure surface water and groundwater quantity and quality are protected for current and future use.

Policies:

1.3.1 Manage land and water resources in a manner that protects, enhances, conserves, improves and restores terrestrial and aquatic ecological systems; while ensuring surface and groundwater resources functions of potable water supplies are maintained for future use.

1.3.2 All stormwater management projects will seek to maximize, to the greatest extent practicable, improvements to wetland habitat and water quality and groundwater recharge functions.

1.3.3 Support public education and effective Best Management Practices (BMPs) to address water quality issues resulting from urban and agricultural runoff, including but not limited to impacts
from fertilizer and sediment. BMPs shall be evaluated for effectiveness; continue to evaluate non-structural BMPs as an option for WMMP implementation.

1.3.4 Review, update, and maintain regulatory criteria, standards, methodologies and procedures that consider land use types and densities, impervious surface limitations, stormwater management plans, and innovative site planning and engineering techniques to protect and conserve surface water, groundwater, aquifer recharge areas, and public water supply wellfields.

1.3.5 Protect water quality and quantity by restricting activities and land uses which would adversely affect the quality and quantity of sources of public water supply through the land development review process. Continue to prohibit excavations that would breach the confining layers of the Floridan aquifer.

1.3.6 Review, update, and maintain criteria, regulations, standards, methodologies, and procedures to maximize recharge to aquifers. Such regulations and performance standards may include, but are not limited to: control of land use types and densities, impervious surface limitations, additional requirements for onsite retention of stormwater, and groundwater discharge controls.

1.3.7 Information on high aquifer recharge/contamination potential will be considered in planning and regulation; areas with a high potential for groundwater contamination and/or aquifer recharge will be protected from adverse impacts of development through land use categories and performance standards.

1.3.8 Continue a comprehensive wellhead and surface water protection program to protect public potable water supplies, as depicted on adopted maps within the Comprehensive Plan:

   a. Wellhead Resource Protection Areas (WRPAs) surrounding public potable water supply wells with a daily permitted amount of 100,000 gallons per day or greater.

   b. Surface Water Resource Protection Areas (SWRPAs) surrounding surface waters used for public potable supply based on the 100-year floodplain, and any buffers as may be required to protect the surface water resource.

1.3.9 Review, update, and maintain regulations, criteria, standards, methodologies and procedures for new development and redevelopment within WRPAs and SWRPAs. Such regulations, etc. shall be designed to prevent potential degradation of public potable water supplies.

1.3.10 Protect existing and planned future sources of public potable supply through the identification of prohibited activities in WRPAs and SWRPAs, as established in the Land Development Code (LDC) or other regulatory documents.

1.3.11 Review, update, and maintain a permitting, inspection and enforcement program for the County’s policies and regulations to protect public potable water supplies in WRPAs and SWRPAs.
1.3.12 No additional areas shall be designated with industrial land use plan categories within the SWRPAs and WRPAs.

1.3.13 Protect potable water wellheads with a 500 foot radial setback.

**GOAL 2:**
Increase water conservation.

**Objective 2.1:**
Continue and enhance a comprehensive water conservation program.

**Policies:**
2.1.1 Encourage water conservation in new and existing development via regulatory modifications or incentives.

2.1.2 Focus water conservation education and information to those users with the greatest water savings potential.

2.1.3 Continue an inverted block rate structure or other water conservation inclined user fees. Routinely evaluate the effectiveness of the rate structure and opportunities to enhance conservation practices.

2.1.4 Support and contribute to public education initiatives regarding water conservation.

2.1.5 Implement a code enforcement strategy to ensure compliance with watering restrictions, landscape standards and building code requirements; assist the Southwest Florida Water Management District in enforcing water conservation measures.

2.1.6 Require low flow plumbing fixtures for all new development, continue to fund retrofits of older fixtures and devices in existing development.

**Objective 2.2:**
Maximize water conservation opportunities for irrigation and other non-potable uses.

**Policies:**
2.2.1 Development shall utilize the lowest quality water reasonably, safely and feasibly available for irrigation and industrial uses.

2.2.2 New development shall prioritize meeting irrigation needs through demand management strategies, water reuse (if available), rainwater or stormwater and potentially community ground water wells. Incentives shall be developed to provide irrigation from non-potable sources.

2.2.3 Continue to implement and refine land development regulations that require incorporating Florida-Friendly Landscaping or xeriscaping principles, proper plant selection and siting, limitations on shallow-rooted turfgrass, preservation of existing vegetation and use of native plants, rain sensors, efficient irrigation systems and appropriate maintenance procedures to prevent wasteful practices.
2.2.4 A low volume irrigation system shall be used whenever feasible.

2.2.5 Promote rainwater harvesting and rain barrels/cisterns for irrigation.

2.2.6 Evaluate incentives for development to provide irrigation from non-potable sources.

GOAL 3:
Pursue opportunities for integrated water resource management.

Objective 3.1:
Develop and implement coordinated water resource management programs across departments.

Policies:

3.1.1 Work across traditional organizational boundaries to foster a collaborative water resources approach to planning, design, operations and construction of County infrastructure and programs.

3.1.2 Explore private, local, state and federal funding for integration and multi-benefit projects.

3.1.3 Maintain and update Watershed Management Master Plans, Potable Water Services, Water Reuse, Stormwater and Wastewater Master Plans to address the infrastructure needs and capital projects generated by the corresponding levels of existing development and planned growth within the County.

3.1.4 Planning approaches, programs and regulatory frameworks shall be routinely reviewed and updated to ensure they reflect and utilize best practices, emerging technologies and best available data for water resources

Objective 3.2:
Utilize a multifaceted approach to match the right resource to the right use.

Policies:

3.2.1 Consider a full range of water uses in the development and implementation of public facilities and services.

3.2.2 Support the development of new and alternative water sources, in cooperation with Tampa Bay Water where appropriate, while protecting natural resources.

3.2.4 Maximize all efficient uses of water; utilize non-potable sources where economically feasible and appropriate as determined by the County.

3.2.5 Support and plan for innovative and flexible potable, wastewater, stormwater, and alternative water supply programs.

3.2.6 Meet potable water demand under all future scenarios through water reuse, conservation and appropriate use of groundwater, surface water, desalination and other alternative sources.
3.2.7 Stormwater management facilities will seek to maximize aquifer recharge functions to the greatest extent practicable.

GOAL 4: The planning and construction of water resources infrastructure should discourage sprawl, encourage redevelopment and fiscal sustainability.

Objective 4.1: Ensure that land use and area-based planning initiatives are closely coordinated with water resources planning.

Policies:
4.1.1 Direct water resources infrastructure investment to encourage redevelopment/infill of existing vacant or underutilized property.

4.1.2 Evaluate regional or areawide stormwater infrastructure as an option for redevelopment areas, or other areas where increases in density and intensity would be desirable.

4.1.4 Explore place or impact-based incentives for potable water, wastewater or stormwater to help achieve growth management, redevelopment and fiscal goals.

4.1.5 Development in both floodways and the 100-year floodplain shall continue to be regulated in order to protect floodplain functions; continue to prevent net loss of 100-year floodplain storage volume in Hillsborough County.

4.1.6 Maintain higher performance standards that mitigate stormwater runoff in areas defined by Hillsborough County as “volume or peak sensitive.”

4.1.7 New County, community and franchise wastewater treatment facilities are prohibited in the Coastal High Hazard Area.

4.1.8 All Watershed Management Master Plans shall include evaluations of flood conditions within sub-basins or watersheds; expand the scope to include the water quality and environmental conditions within these areas.

Objective 4.2: Within the Urban Service Area, connect existing and future development to public potable water and wastewater systems.

Policies:
4.2.1 New development within the Urban Service Area shall connect to public potable water and wastewater systems. Private well and septic shall continue to be prohibited except in very limited cases as determined by the LDC.
4.2.2 Continue to convert existing low-pressure sewer systems, private/franchise water and wastewater systems and individual wells to County utilities where operationally and financially feasible within the Urban Service Area.

4.2.3 Develop regulations, incentives or programmatic enhancements to increase connections to existing potable water and wastewater lines within the Urban Service Area.

4.2.4 New potable and wastewater collection, transmission and treatment infrastructure and facilities shall be publicly owned and operated. Exceptions will be limited and evaluated and determined on a case by case basis by the County Administrator or designee. Any exceptions will be subject to the following limitations:

a. Any private, franchise or interim infrastructure and facilities developed under this policy shall be built to County standards.

b. Ensure adequate maintenance programs, as reviewed and approved by Hillsborough County Public Utilities, shall be part of the conditions of approval for any private, franchise or interim infrastructure and facilities.

Objective 4.3:
Prohibit public potable water and wastewater lines from being extended into the Rural Area, except under limited conditions.

Policies:
4.3.1 Public potable water and wastewater lines shall not be permitted to be extended into the Rural Area unless this extension occurs to:

a. Serve a planned village (RP-2 or WVR-2), or Planned Environmental Community ½ as described in this Plan;
b. Serve a project that has established vested rights for the use of these facilities;
c. Address a public health hazard documented by the Health Department or other regulatory agency;
d. Provide for the extension of centralized potable water or wastewater infrastructure to serve Hillsborough County Public Schools operated by the Hillsborough County School Board, so long as the service lines are designed to accommodate solely the service demands of the school, consistent with the Interlocal Agreement for School Facilities Planning and Siting and School Concurrency;
e. Allow properties located within the Wellhead Resource Protection Areas or Tampa Bay Water Wellfield Mitigation Areas to be served by public utilities if adequate capacity is available and when public water or sewer service provides an additional level of protection to potable water resources. All such properties shall conform to the following criteria:
   (1) New Development:
      a) Be the subject of an approved Planned Development Zoning;
      b) Contain building lots of not less than one-half (1/2) acre each;
      c) Located within 1,000 feet of the Urban Service Area boundary (inclusive of road rights-of-way and riverine systems);
d) Maximum residential density cannot exceed 80% of the maximum density permitted under the Comprehensive Plan for properties where wetlands comprise less than 25% of the property; and  
e) Maximum residential density cannot exceed 90% of the maximum density permitted under the Comprehensive Plan for properties with at least 25% wetlands onsite (using wetland density calculations).  
(2) Existing Development:  
a) Located within 1,000 feet of the Urban Service Area boundary, (inclusive of road rights-of-way and riverine systems).  
(3) Provisions 3.3.1.e(1) & (2) shall not be available for use within the boundaries of the Keystone-Odessa Community Plan.

4.3.2 Connections to existing water/wastewater systems in the Rural Area may be considered on a very limited basis, so long as such connections do not foster a development pattern that is in conflict with other Plan policies. The intent of this policy is to allow some utilization of existing infrastructure for those properties located along existing lines, not to allow extensions to those systems. Details of implementation shall be outlined in the LDC. Connections to the Limited Access Transmission Main are prohibited.

4.3.3 Any extension or utilization of existing potable water/wastewater lines under the previous Policies outlined in this Objective are subject to the following criteria:  
a. New development shall be responsible for infrastructure and services outside the current Urban Service Area. Any such connection and extension of lines shall be at the expense of the party requesting such service and permitted at the discretion of Hillsborough County.  
b. The only jurisdiction permitted to extend lines into the Rural Area shall be Hillsborough County, unless provided for in a pre-existing service area agreement or a public health issues as identified in Policy 3.3.1(c) above.  
c. Any extension or connection shall not be considered a justification for increases in densities or intensities through the Future Land Use Map amendment process, nor shall these provisions be used as a basis for a rezoning to allow uses that require public utility connections but would be incompatible with the surrounding development pattern or inconsistent with other Rural Area policies.

4.3.4 The policies in this section do not prohibit the placement of transmission infrastructure through the Rural Area to serve development within the Urban Service Area. Nor shall these policies prohibit any maintenance of existing infrastructure systems within the Rural Area and/or other improvements intended to improve operational efficiency of those systems.

GOAL 5:  
Water resource infrastructure and programs will be constructed and managed in a fiscally and environmentally sustainable manner.

Objective 5.1:
Ensure water resources services and infrastructure serve the current and future population in Hillsborough County.
**Policies:**

5.1.1 Develop, support, maintain, and implement capital projects that address the provision of water resource services and infrastructure; remedy any potable water, water reuse, wastewater or stormwater facility deficiencies, and coordinate the acquisition, expansion, and construction of infrastructure to meet future needs. This shall be accomplished in cooperation with Tampa Bay Water, where appropriate. This includes, but is not limited to:

a. A managed system of stormwater infrastructure which will minimize the occurrences of damage due to flooding, improve the quality of surface waters, reestablish and create wetland habitat, enhance aquifer recharge, and provide opportunities for water reuse and recreational benefits. Maintenance and asset protection shall occur on a regular, routine basis to ensure flood protection and water quality functions.

b. A potable and wastewater collection, transmission, water reuse and treatment system within designated service areas; existing and programmed infrastructure shall be utilized before extending the service area.

5.1.2 Meet or exceed the adopted Levels of Service for potable water, wastewater and stormwater as outlined in the Capital Improvements Element.

5.1.3 Implement programs and projects serving a public purpose that reduce or mitigate flooding and improve water quality as determined by the Watershed Management Master Plans. Stormwater detention and retention infrastructure will continue to serve as the preferred alternatives to alleviate flooding issues.

5.1.4 Promote the co-location of water resources infrastructure and other County facilities to enhance the efficient use of land, reduce public costs, and minimize impact on the community.

5.1.5 Incorporate adaptation and mitigation measures into planning decisions for water resources infrastructure.

5.1.6 Continue coordination with FEMA as a cooperative technical partner to update Flood Insurance Rate Maps.

5.1.7 Develop incentives or regulatory options to enhance access for assessment and maintenance of stormwater infrastructure not owned by the County.

**Objective 5.2:**
Minimize adverse impacts of septic tanks.

**Policies:**

5.2.1 Maintain siting criteria, performance standards, density limitations, separation distances and other development regulations for septic systems to ensure the protection of surface and groundwater water quality; special criteria and standards shall be maintained for those septic systems located in areas adjacent to Class I Waters, Class I Treated Waters, Class II Waters and Outstanding Florida Waters.
5.2.2 Septic tank and drain field installation shall be prohibited within 200 feet of the jurisdictional wetland lines of rivers and their tributaries, except in such cases where the 200-foot criterion cannot be met due to vested lot size or configuration.

5.2.3 Septic tanks are prohibited for new development in the Coastal High Hazard Area. Exceptions may be granted for development that is vested under criteria, standards and procedures established by the LDC.

5.2.4 Where current or future connection to wastewater infrastructure is not feasible, as determined by the County, encourage the use of Distributed Wastewater Treatment Systems in lieu of septic tanks, and as a replacement for existing septic tanks.

5.2.5 Implement a comprehensive program to convert existing septic to County wastewater within the Urban Service Area.

5.2.6 Coordinate with the Hillsborough County Health Department and/or the Florida Department of Environmental Protection (FDEP) to ensure that non-compliant septic systems connect to County wastewater facilities and conveyance systems where feasible.

**Objective 5.3:**
Coordinate with local, state and regional agency partners on water resources infrastructure planning and projects.

**Policies:**

5.3.1 Coordinate with SWFWMD to ensure consistency between the Comprehensive Plan and SWFWMD’s Regional Water Supply Plan via the 10-Year Water Supply Facilities Work Plan (WSFWP). The WSFWP shall be updated every five years and within 18 months of the update of SWFWMD’s Regional Water Supply Plan.

5.3.2 The annual update to the Capital Improvement Program shall be coordinated with the WSFWP, Tampa Bay Water’s Master Water Plan and Capital Improvements Program, and the Southwest Florida Water Management District’s Regional Water Supply Plan.

5.3.3 Coordinate with adjacent jurisdictions to ensure any adverse impacts from major stormwater conveyance systems are minimized or addressed.

5.3.4 Collaborate with the Southwest Florida Water Management District, Tampa Bay Water, the Cities of Tampa, Plant City and Temple Terrace and the Hillsborough County City-County Planning Commission to ensure coordination, and where appropriate, consistency of water supply and demand projections and population data.

5.3.5 Any area in the unincorporated County which by interlocal agreement is part of the area for which a city has the responsibility for providing potable water or wastewater service, but, in which the city does not provide that service to retail customers, shall be periodically reviewed by County staff for recommendation to the BOCC regarding the most cost effective and efficient provision of potable water or wastewater service.
GOAL 6:
Expand the use of Low Impact Development (LID) principles in the built environment.

Objective 6.1:
Explore opportunities to incorporate green infrastructure or other LID principles in public projects and on publicly owned land.

Policies:
6.1.1 Create demonstration projects to illustrate the value and effectiveness of green infrastructure and/or LID.

6.1.2 Where feasible, design County green infrastructure projects so that they serve multiple functions. Examples include stormwater infrastructure that also serve as public natural spaces, or linear parks along roadways that serve as pedestrian/bicycle facilities as well as stormwater management.

6.1.3 Determine opportunities during the planning and development phase of Capital Improvement Program projects for LID and green infrastructure in Hillsborough County, such as alternative roadway designs, swales, bioretention, curb extensions, and innovative/permeable pavement solutions.

6.1.4 Ensure that publicly-owned land and right-of-way landscaping is designed to serve multiple functions, utilizing Florida-Friendly landscaping whenever practicable. This landscaping should be designed to allow for the capture, treatment and utilization of stormwater runoff and incorporate a treatment train approach where feasible.

Objective 6.2:
Evaluate incentives and regulatory modifications to enhance the use of green infrastructure and/or LID principles in private development.

Policies:
6.2.1 Coordinate with private sector stakeholders to identify opportunities and obstacles for utilization of green infrastructure/LID in new development and redevelopment.

6.2.2 Develop manuals, guidance and technical specifications for utilization of green infrastructure/LID in new development, redevelopment and capital projects by 2024.

6.2.3 Explore incentives for development projects utilizing green infrastructure and/or LID.

6.2.4 Ensure stormwater management infrastructure utilizes the existing topography of the site and minimize disturbance of existing natural features and hydrology to the greatest extent possible.

6.2.5 When effective pretreatment measures can be provided, and treatment enhances the wetland system, wetlands will be used for stormwater treatment when appropriate.
• **Green Infrastructure**: Systems and practices that use or mimic natural processes to infiltrate, evapotranspirate, or utilize stormwater or runoff on the site where it is generated.

• **Low Impact Development (LID)**: An approach to land development (or re-development) that works with nature to manage stormwater as close to its source as possible.

• **Limited Access Transmission Main** – As defined in County technical manuals.

• **Water Reuse**: Also known as water recycling, water reuse is the process of intentionally capturing wastewater or stormwater and cleaning it as needed for a designated beneficial freshwater purpose such as drinking, irrigation, industrial processes, surface or ground water replenishment, and watershed restoration.

• **Potable Water Wellheads**: The site of one or more water wells which supply potable water for human consumption to a water system which serves at least 15 service connections used by year-round residents or regularly serves at least 25 year-round residents. Florida Department of Environmental Protection Chapter 62-521, as amended, protection measures shall apply in the protection area. The potable water wells and the 500 foot radial setback shall be shown on a map adopted as part of the Comprehensive Plan.
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<td>FY 19</td>
<td>FY 20</td>
<td>FY 21</td>
<td>FY 22-26 (Total)</td>
<td>Project Completion Date</td>
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**Total Estimated Cost:**
- **Potable Water (Blue):** $539,009
- **Reclaimed Water (Purple):** $225,109
  
**Fiscal Year Totals:**
- FY 17: $225,109
- FY 18: $33,900
- FY 19: $22,500
- FY 20: $28,000
- FY 21: $47,000
- FY 22-26 (Total): $158,000

**Note:**
- Source: Hillsborough County Public Utilities Department, June 2016.
- Funding amounts are in thousands. Blue = potable water projects. Purple = reclaimed water projects.
- This WSFWP table includes significant potable and reclaimed water capital projects at the time of plan preparation, and reflects information from the adopted Hillsborough County FY16-FY21 CIP. Project funding listed beyond FY 20-21 is not confirmed and is subject to approval by the Hillsborough County Board of County Commissioners. Please note that the projects and funding in this table may be modified over time. The funding source for all the projects in this table are Enterprise funds.
Attachment C

One Water Chapter Draft Maps

Maps required to be adopted are being included as part of the One Water Chapter. Additional mapping information can be found via the One Water mapping application: http://gis.tpcmaps.org/Apps/Production/OneWater/
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Adopted

Legend
- Portable Wells
- Portable Wells - Protected Area
- Surface Water
- City Limits
- Plant City
- Temple Terrace

Legend

Locator Map

Source: This map has been prepared for the inventory of real property found within Hillsborough County and is adopted on [insert date]. It is intended for use in planning and zoning purposes. The map is not intended to be used for legal surveys or for the determination of boundary lines. It is provided without warranty of any kind, either expressed or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose.

Assume any liability arising from use of this map. THIS MAP IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

601 E Kennedy Blvd

Tampa, FL 33602

Phone: (813) 272-4556
Fax: (813) 272-4564

www.hillsboroughco.com
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Unincorporated Hillsborough County

AREAS SUSCEPTIBLE TO GROUNDWATER CONTAMINATION
ADOPTED

Legend

Relative Vulnerability

More Vulnerable

Vulnerable

Roads and Boundary Lines

County Boundary

Jurisdiction Boundary

Tampa Service Area

Urban Service Area

Existing Major Road Network

Limited Access Roads

Data Sources and Limitations:
Hillsborough County, Florida

Unincorporated Hillsborough County

Areas Susceptible to Groundwater Contamination

Adopted

Date: 4/23/2020

Author: CWelsh

Path: G:\gisroot\Projects\Cathy\Arcmap\NEW_MXD\CompPlaUnpdate_2020\Care_2020\uhc_areas_susceptible_to_ground_water_contamination_2020_2.mxd

For more information about our organization visit website: www.planhillsborough.org
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HILLSBOROUGH COUNTY
WELLHEAD RESOURCE
PROTECTION AREAS
Adopted
(FLUE Map Series)

Effective January 30, 2015, Revision: Adopted December 14, 2017
per Comprehensive Plan Amendment CPA - 17-09A.

Legend

Public Production Wells
- Aloha Utilities
- Cypress Bridge
- Pasco County Utilities
- Pinellas Wellhead Protection Zone
- Potable Water Supply Wells >= 100,000 gpd
- Potable Water Protection Impact Zone - Zone 1
- Public Potable Water Supply Well Protection Zone - Zone 2

Capture Zones
- (1) Cax Riverside LLC
- (2) Charles E. Springer
- (3) CM GL Services
- (4) Eastlake Water Service
- (5) Seven Trent
- (6) Wilder Mobile Homes
- (7) Windemere Utility
- (8) UniProp Income Fund I
- Brandon Urban Dispersed
- City of Tampa
- Temple Terrace
- South Pasco
- South Central Hillsborough
- Cosme-Odessa
- Cypress Bridge
- Eldridge-Wilde
- Morris Bridge
- Northwest Hillsborough
- Plant City
- Section 21

Footnote

NOTE: Every reasonable effort has been made to assure the accuracy of this map. Hillsborough County does not assume any liability arising from the use of the map. Hillsborough County shall not be liable for any loss resulting from any error or omission in the map. All maps are made at a scale of 1"=1 mile and should not be used as a survey map.

Locator Map

NOTES:
- This is not a survey map, although the text and scale are in the correct locations.
- The information provided is intended as a general guide and should be used for planning purposes only.

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Miles