CITY COMMISSION

WORKSHOP AGENDA

WEDNESDAY, APRIL 1, 2026 - 9:00 AM

CITY HALL - COMMISSION CHAMBERS

1126 EAST STATE ROAD 434, WINTER SPRINGS, FLORIDA

CALL TO ORDER

Roll Call
Invocation
Pledge of Allegiance
Approval of the Agenda

DISCUSSION ITEMS

100.. Stormwater Pond Maintenance Program and Stormwater Rate Study Update
Commission Presentation April 2026_Final [REVISED 2026.03.31]

ADJOURNMENT

PUBLIC NOTICE

This is a Public Meeting, and the public is invited to attend and this Agenda is subject to change. Please be advised that one (1) or more Members of any of the City's Advisory Boards and Committees may be in attendance at this Meeting, and may participate in discussions.

Persons with disabilities needing assistance to participate in any of these proceedings should contact the City of Winter Springs at (407) 327-1800 "at least 48 hours prior to meeting, a written request by a physically handicapped person to attend the meeting, directed to the chairperson or director of such board, commission, agency, or authority" - per Section 286.26 Florida Statutes.

"If a person decides to appeal any decision made by the board, agency, or commission with respect to any matter considered at such meeting or hearing, he or she will need a record of the proceedings, and that, for such purpose, he or she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based" - per Section 286.0105 Florida Statutes.

DISCUSSION ITEMS ITEM 100.

CITY COMMISSION AGENDA | APRIL 1, 2026 WORKSHOP

TITLE

Stormwater Pond Maintenance Program and Stormwater Rate Study Update

SUMMARY

The cost associated with the Stormwater Pond Maintenance Program will be represented in the City's budget and incorporated into the Stormwater Utility rate structure. This presentation will review the classification of ponds in the City and discuss the City's commitment to establish an anticipated level of pond maintenance service. The number of stormwater ponds and related maintenance costs and their impact on the stormwater utility rate will also be discussed. The presentation will conclude with an overview of the proposed Stormwater Rate Study incorporating all utility operating costs and Stormwater Master Plan capital costs to be considered at a future public meeting.

Classifications:

1. Public Pond: A pond on City-owned property or has a dedicated easement that receives stormwater from public infrastructure.
2. Hybrid Pond: A pond on privately owned property that receives stormwater from public infrastructure.
3. Private Pond: A pond on privately owned property that receives stormwater from private infrastructure.

FUNDING SOURCE

Not applicable at this time.

RECOMMENDATION

Staff respectfully requests that the City Commission reach consensus on the recommended Stormwater Pond Maintenance Program at the conclusion of the presentation and direct staff to incorporate the related costs for the program into the forthcoming Stormwater Rate Study to be presented at a future public meeting.





City of Winter Springs

Stormwater Pond Maintenance and Rate Study Workshop

City Commission April 1st, 2026

Kimley»Horn

Introductions

- City of Winter Springs
  - Clete Saunier, P.E., Director of Public Works and Utilities
- Kimley-Horn and Associates, Inc.
  - Julia Felter, P.E.
  - Marcus Geiger, P.E.
- Pegasus Engineering, LLC
  - David Hamstra, P.E.,CFM
- Raftelis
  - Joe Williams

Agenda

Stormwater Pond Maintenance

- *Pond Definitions*
- *Ponds within the City*
- *Hybrid Pond Definition*
- *Stormwater Infrastructure Maintenance*
- *Pond Maintenance*
- *City Maintained Ponds*
- *Estimated Cost of Maintenance*
- *Impact to Utility Rate*

Stormwater Rate Study Update

- *Existing Customers and Rates*
- *Service Enhancements*
- *Financial Forecast*
- *Recommendations*

Questions

Stormwater Pond Definitions

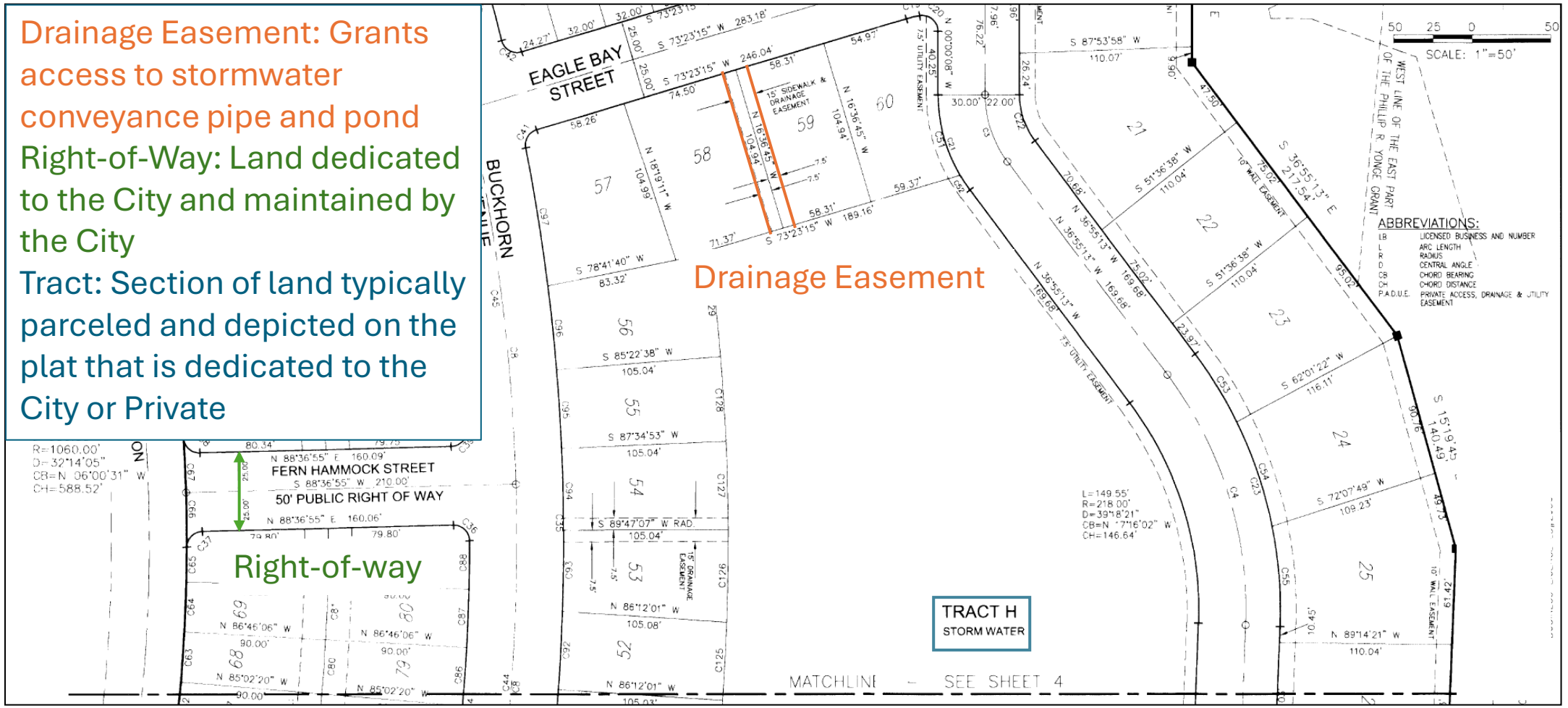
- Public Pond: is a pond on City owned property or has a dedicated easement that receives stormwater from public infrastructure.
- Hybrid Pond: is a pond on Privately owned property that receives stormwater from public infrastructure.
- Private Pond: is a pond on Privately owned property and receives stormwater from private infrastructure.

Stormwater Pond (Land)

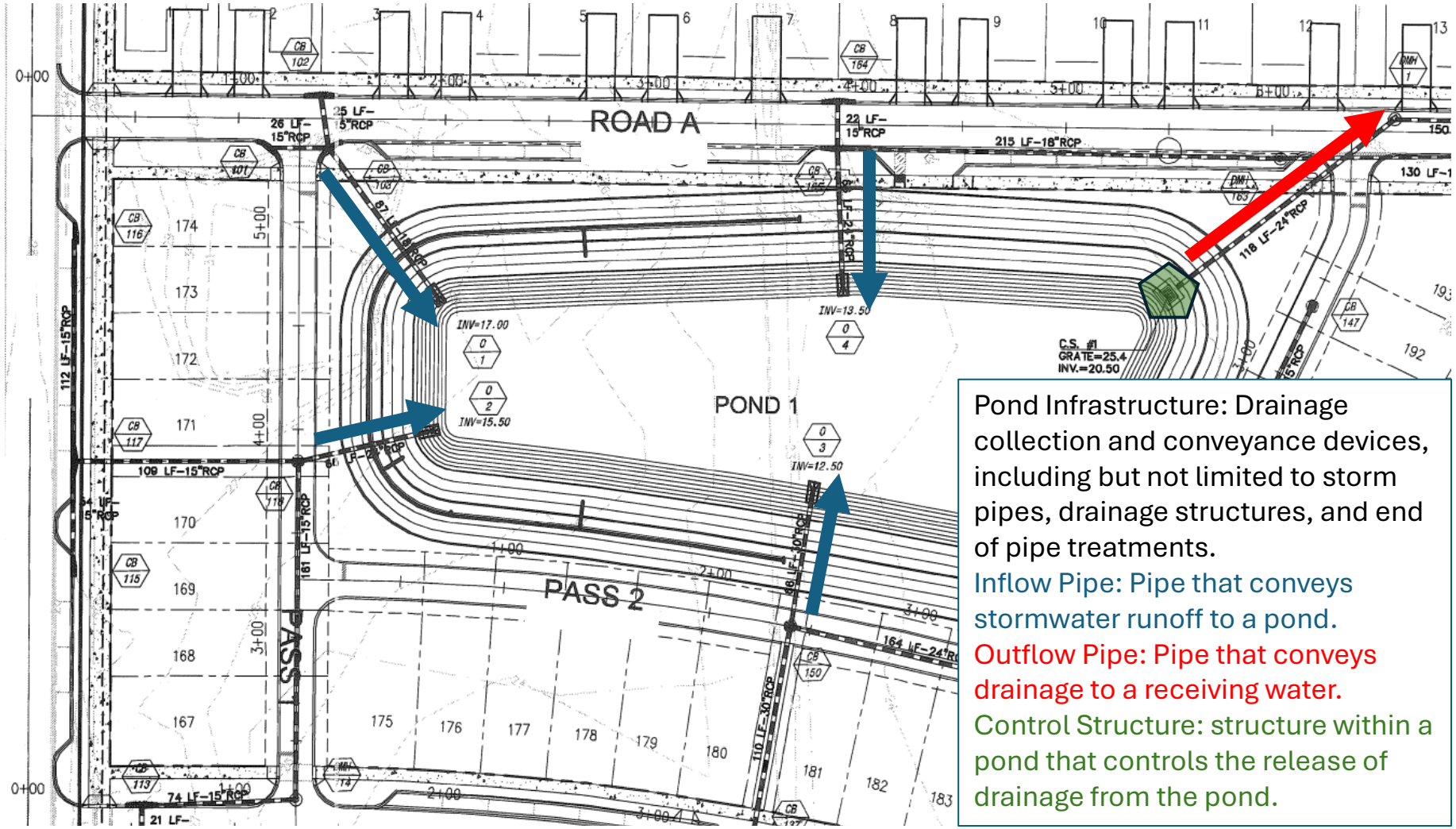
Drainage Easement: Grants access to stormwater conveyance pipe and pond

Right-of-Way: Land dedicated to the City and maintained by the City

Tract: Section of land typically parceled and depicted on the plat that is dedicated to the City or Private



Stormwater Pond (Infrastructure)



Pond Infrastructure: Drainage collection and conveyance devices, including but not limited to storm pipes, drainage structures, and end of pipe treatments.

Inflow Pipe: Pipe that conveys stormwater runoff to a pond.

Outflow Pipe: Pipe that conveys drainage to a receiving water.

Control Structure: structure within a pond that controls the release of drainage from the pond.

Ponds within the City

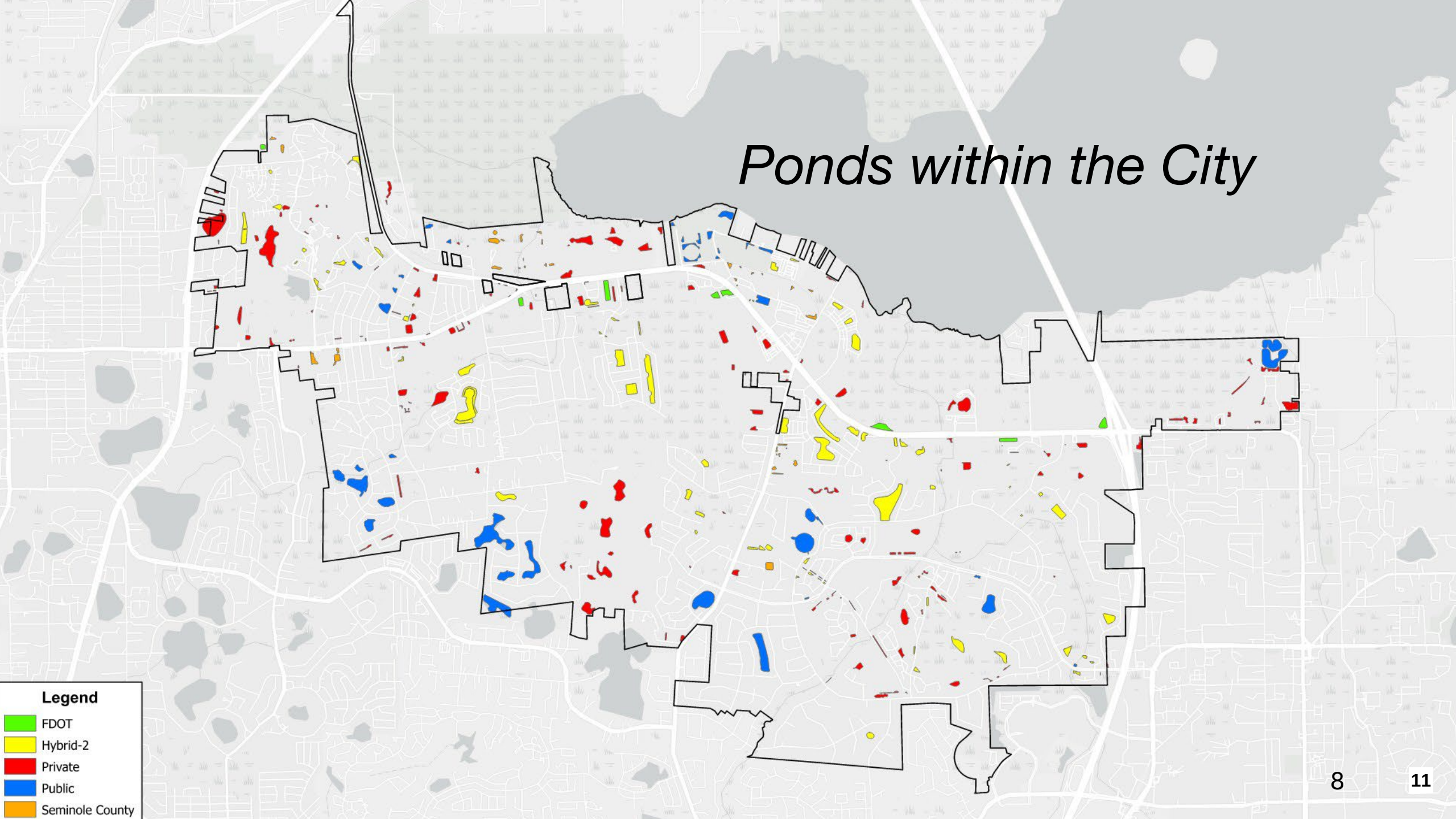
- 345 Ponds
- Maintenance Categories
  - FDOT
  - Seminole County
  - Public/City
  - Hybrid
    - Public Stormwater Infrastructure and Private pond ownership
  - Private

Maintenance by Others	No. of Ponds
FDOT	12
Seminole County	36
Private	176
Sub total	**224**

Maintenance by City	No. of Ponds
Public	43
Hybrid	78
Sub total	**121**

TOTAL	345

Ponds within the City



Hybrid Pond Definitions

Identity	Pond Ownership	Contributing Drainage Area*	Maintenance Responsibility	
			Infrastructure	Pond

Pond Ownership:

Public = Dedicated to the City

Private= Dedicated to HOAs, management groups, or individual parcel owners

Contributing Drainage Area (Stormwater Runoff):

Public = City roads and rights-of-way

Private = Private property

Infrastructure Maintenance Responsibility:

Public = Dedicated easement over storm pipe between public drainage area and receiving water

Private = No dedicated public easement over any stormwater infrastructure

Pond Maintenance Responsibility:

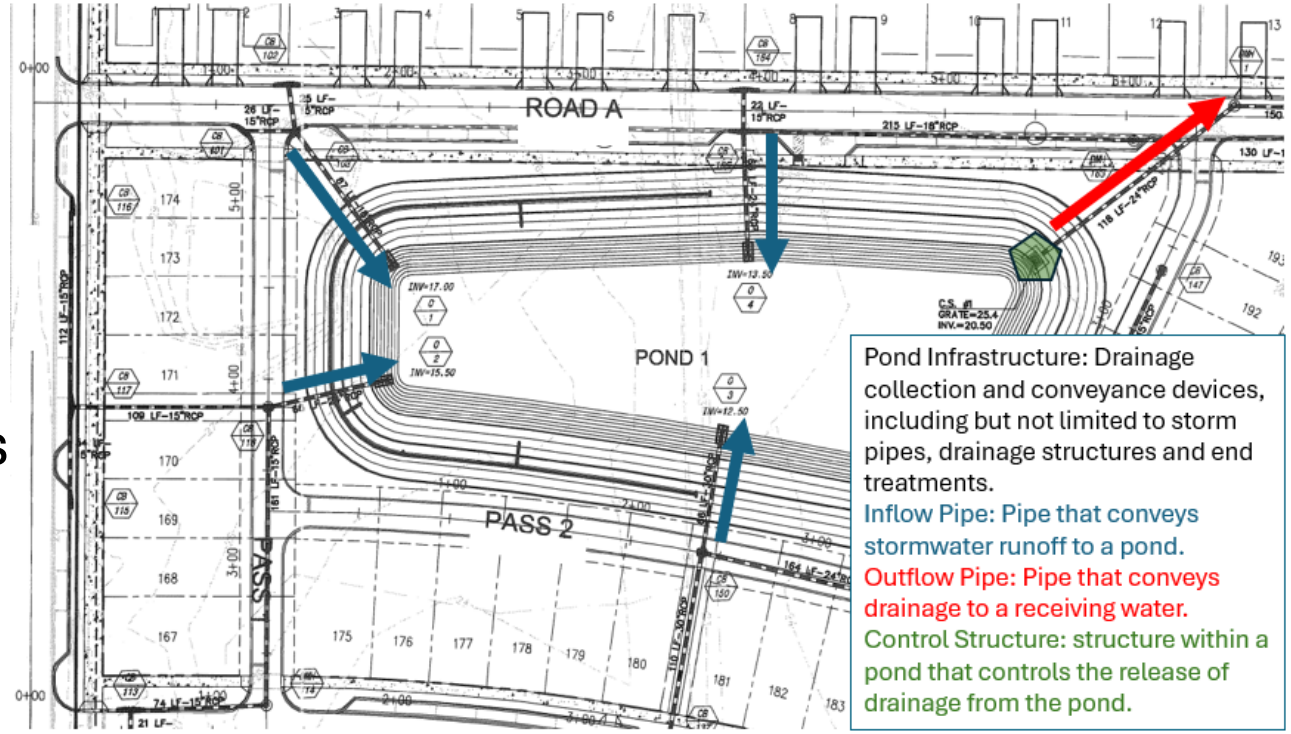
Public = Dedicated public maintenance responsibility

Private = No dedicated public maintenance responsibility

***Note: All hybrid ponds receive stormwater drainage runoff originating from public rights-of-way via a piped connection.**

Stormwater Infrastructure Maintenance

- Yearly visual inspection of outfall structures
- Yearly visual inspection of drainage structures and storm pipes
- Debris removal from storm pipes and outfall structures, as needed
- Sediment removal from storm pipes and outfall structures, as needed
- Repairs/replacement or relining to storm pipes, as needed
- Scour protection and Control Structure repairs, as needed



Public Pond Maintenance

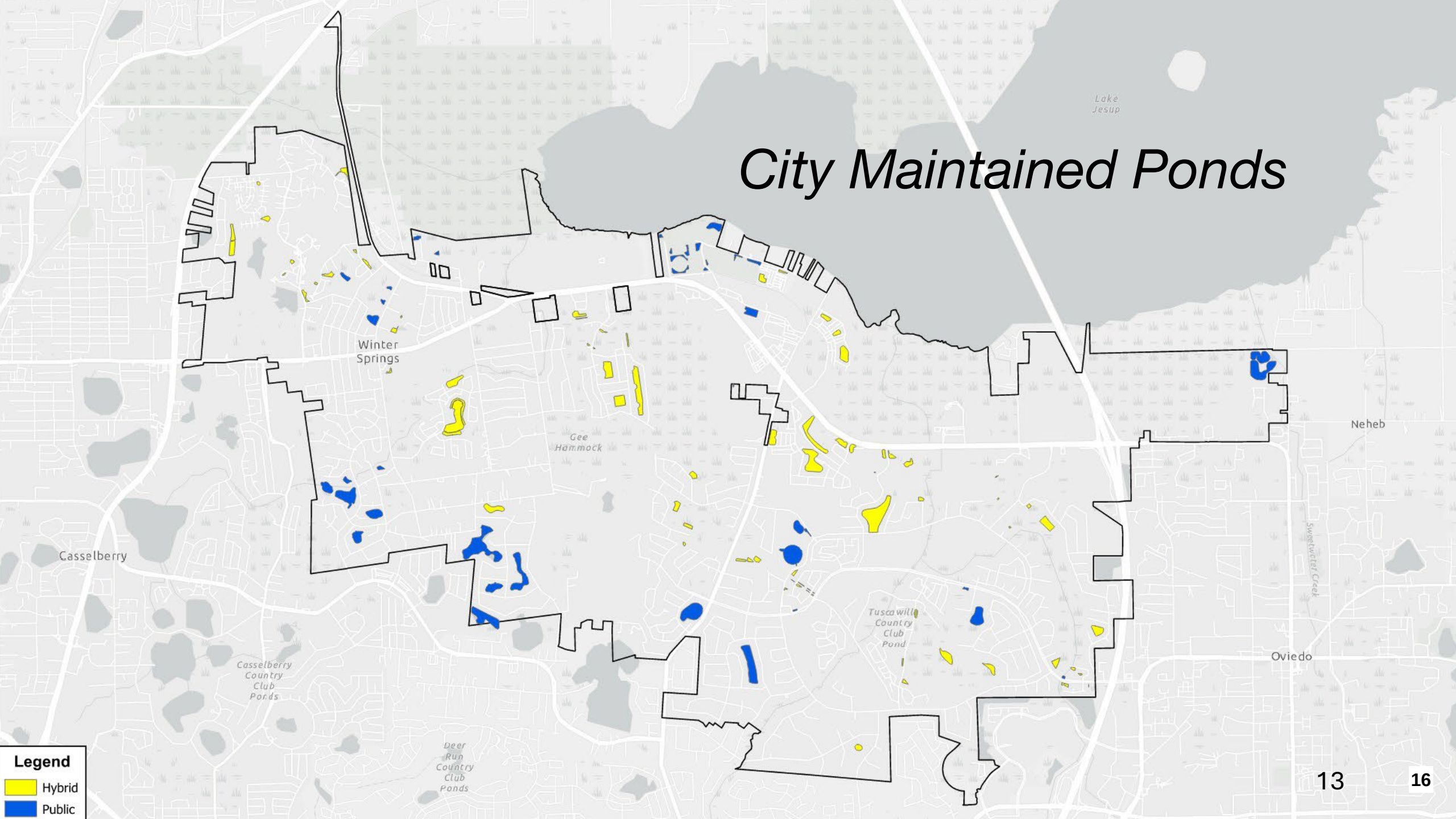
- Aquatic Vegetation inspected Monthly
- Aquatic Vegetation treated as needed
- Mowed Monthly on public property
- Debris Removal
- Erosion repairs



City Maintained Ponds

- Public (43)
  1. Pond receives runoff from City roads and Public rights-of-way
  2. On City owned or dedicated Property
  3. Stormwater Infrastructure Maintenance
  4. Public Pond Maintenance
- Hybrid (78)
  1. Pond receives runoff from City roads and Public rights-of-way
  2. Easement access to infrastructure for City
  3. Stormwater Infrastructure Maintenance

City Maintained Ponds



Estimated Cost for Stormwater Infrastructure Maintenance

Stormwater Infrastructure Maintenance	Average Pond Cost
Scour/Outlet Protection	$5,000
Control Structure Repairs	$2,000
Pipe Relining	$120,000
Localized Sediment Removal, as needed	$25,000
Total	**$152,000**

*Expected life span of pond maintenance is 15-year cycle

Expenditures in Utility Rate Study

- Study Includes
  - Operating Expenses
  - Rehabilitation and Maintenance
  - Staff and Equipment*
  - Capital Improvement Plan Project Funding
  - Stormwater Pond Maintenance

*Direction from Commission on number of ponds the City will maintain will affect “Staff and Equipment” expense category to be presented in Utility Rate Study.

Impact to Utility Rate – addition of Hybrid Ponds

Pond Responsibility	Type of Maintenance	No. Ponds per year *	Cost	Impact to Utility Rate
Public	Infrastructure	6	$912,000	Increase of $4.36/month

*Expected life span of pond maintenance is 15-year cycle

RAFTELIS

City of Winter Springs

Stormwater Rate Study

April 1, 2026



Agenda

- Project scope overview
- Existing customers & rates
- Service enhancements
- Financial forecast
- Findings & recommendations

Project Scope Overview

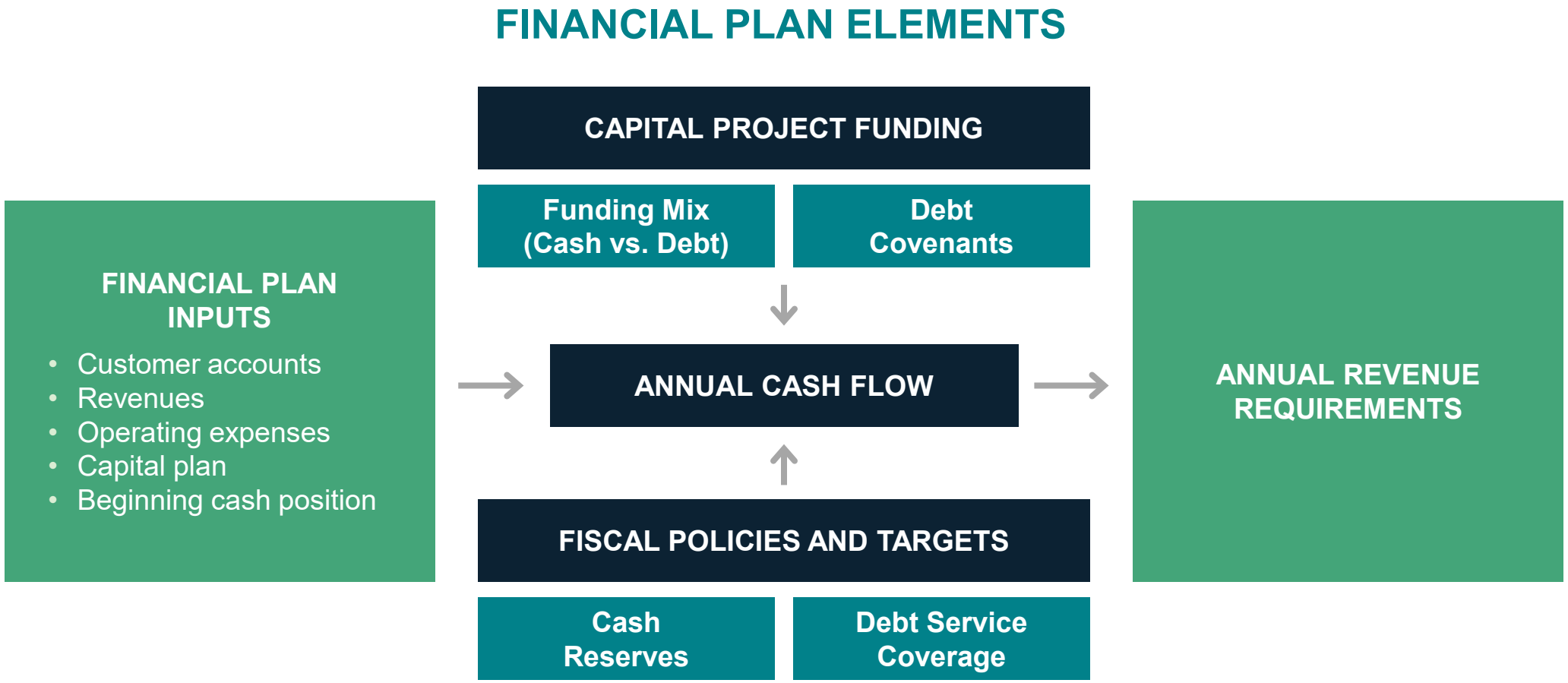


Project Scope

Comprehensive stormwater financial forecast, considering service level enhancements, to achieve a sustainable financial outlook

1. **Personnel and equipment needs**
2. **Review pond maintenance plan**
3. **Funding capital improvements**
4. **Financial forecast and rate adjustment needs**

Revenue Requirements & Financial Planning



Existing Customers & Rates



Stormwater Customers Introduction

ERU Basis	City Code establishes stormwater equivalent residential units (ERUs) based on the average impervious area (IA) of residential developed property. Current ERU basis = 2,123 square feet IA
Land Uses	• Residential = assigned 1 ERU per dwelling unit • Non-residential = 1 ERU per 2,123 square feet IA
Facility Credit	Properties with properly functioning stormwater management facilities will receive a 25% reduction to their stormwater fee

Stormwater Customers and Revenue

Description	Full Rate	Reduced Rate	Total
Rate per ERU per month	$10.00	$7.50	
Accounts	10,500	5,078	15,578
ERUs	12,536	6,536	19,072
Annual Revenue	**$1,504,300**	**$588,200**	**$2,092,500**

Service Enhancements



Existing Operating Budget

Description	FY 2024 Actual	FY 2025 Estimated	FY 2026 Budget
Personnel	$519,650	$487,620	$622,121
Repair and Maintenance	402,971	1,497,974	1,003,174
Other	361,595	424,837	383,290
Total	$1,284,216	$2,410,431	$2,008,585

Service Enhancement Overview



Personnel & Equipment

Additional stormwater crew and equipment identified to enhance stormwater level of service



Pond Maintenance

The pond maintenance plan covers a mix of public and hybrid ponds



Tertiary Projects

These are the unexpected projects that arise annually that the City desires to respond to more timely



Master Plan CIP

12 larger projects identified in the CIP for various stormwater infrastructure improvements

Personnel and Equipment



New Stormwater Crew

Hiring of a new crew, consisting of a Foreman and three crew members, in FY 2027



Vehicles for Crews

Acquisition and replacement of working trucks, F-150s and F-250s, for stormwater crews



Large Equipment Acquisitions

Replacement and purchase of larger equipment such as mowers, mini-excavators, backhoes, tractors, and similar equipment

Pond Maintenance

- Number of City maintained ponds: 121
  - 43 public ponds
  - 78 hybrid ponds
- Level of stormwater infrastructure maintenance for a pond
  - Cost per pond: $152,000 *(Includes Scour/Outlet Protection, Pipe Relining, Control Structure Repair, Localized Sediment Removal)*
  - Number of ponds to address per year: 6 (average)
  - Total cost of pond maintenance : $912,000 / year

*Expected life span of pond maintenance is 15-year cycle

Master Plan Projects

- Alton Road Culvert & Reach Improvements - $995,000
- Vistawilla Drive Near Seneca Boulevard Improvements - $600,000
- No-Name Creek Conveyance Improvements Near Sailfish Road - $645,000
- Dunmar Estates Flow Path Re-Establishment - $845,000
- Winter Springs Boulevard near Davenport Way Improvements - $900,000
- Fisher Road Near Morton Lane Improvements - $225,000
- Shore Road Culvert & Reach Improvements - $1,160,000
- Highland Village Storage & Conveyance Improvements - $550,000
- Chokecherry Drive Near Sapling Drive Improvements - $260,000
- North Tuskawilla Road Outfall Improvements - $1,310,000
- Winter Springs Boulevard Near Chokecherry Drive Improvements - $690,000
- No-Name Creek Conveyance Improvements Near Alton Road - $645,000

Total = $8,825,000

Funding Source

City plans to use 3rd Gen and 4th Gen Funds to cover priority capital projects within Stormwater Master Plan

Service Level Enhancements Summary

Description	FY 2027	FY 2028	FY 2029	FY 2030
Personnel	$302,100	$314,300	$326,900	$340,300
Equipment	230,000	140,000	70,000	135,000
Pond Infrastructure Maintenance [1]	304,000	608,000	912,000	912,000
Tertiary Projects [2]	200,000	400,000	500,000	600,000
Total	$1,036,100	$1,462,300	$1,808,900	$1,987,300

Notes:
[1] Pond infrastructure maintenance assumes phase in starting with 2 ponds in FY 2027, 4 ponds in FY 2028 and 6 ponds in FY 2029.
[2] Tertiary projects assume an average cost of $100,000 per project and completing 2-6 projects per year.

Financial Forecast



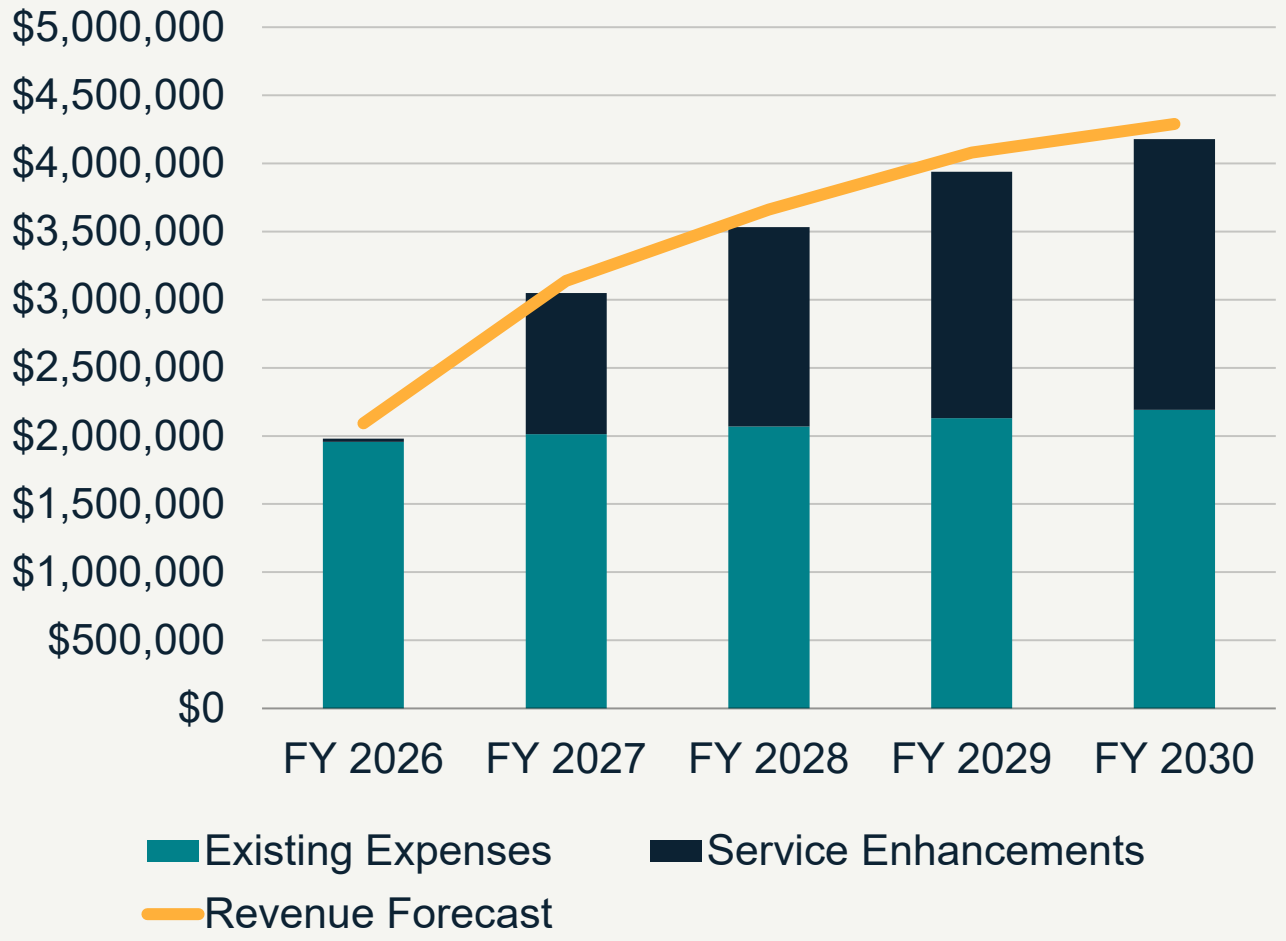
Monthly Rate Adjustment Needs

Description	Per ERU	$ Increase
Existing FY 2026	$10.00	
FY 2027	$15.00	$5.00
FY 2028	$17.50	$2.50
FY 2029	$19.50	$2.00
FY 2030	$20.50	$1.00

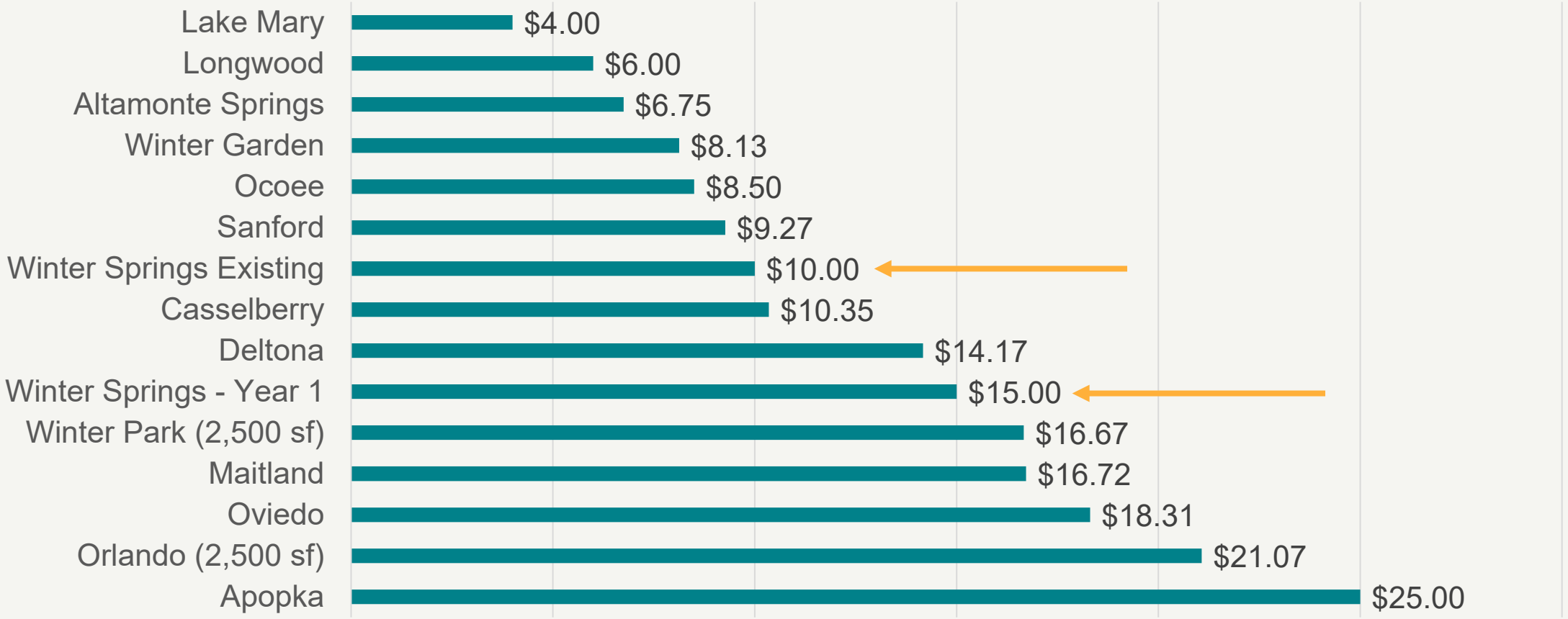
Financial Forecast

Revenue Sufficiency Forecast:

- Annual escalation of existing operating and R&R budget
- Phase in of various service enhancements
- Implementation of rate adjustments identified



Rate Comparison (Monthly Single Family Rate)



Findings & Recommendations



Findings & Recommendations

1

Pond Maintenance

Finalize plan for ongoing pond maintenance and phasing in tertiary projects

2

Rate Adjustments

Adopt future rate adjustments that align with stormwater system needs and capital plan

3

Billing Mechanism

Evaluate billing mechanisms for future stormwater fee collection during period of rising needs and rates

RAFTELIS

Thank you!

Contact: Joe Williams
407 628 2600 / jwilliams@raftelis.com

Questions

