



# Lakes & Waterways Board Regular Meeting

## Agenda

**August 13, 2024 @ 12:00 PM**

City Hall Commission Chambers  
401 S. Park Avenue

### welcome

Agendas and all backup material supporting each agenda item are accessible via the city's website at [cityofwinterpark.org/meetings/](http://cityofwinterpark.org/meetings/) and include virtual meeting instructions.

### assistance & appeals

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"If a person decides to appeal any decision made by the Board with respect to any matter considered at this hearing, a record of the proceedings is needed 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." (F.S. 286.0105).

### please note

Times are projected and subject to change.

**1. Call to Order****2. Consent Agenda**

- a. Approve the minutes of July 9, 2024 1 minute

**3. Public Comments (for items not on the agenda): Three minutes allowed for each speaker****4. Public Hearings (Public participation and comment on these matters must be in person.)**

- a. Riprap Revetment (SAP-2024-0012) 1169 Lakeview Dr. 10 Minutes
- b. Boathouse/Dock Application (BLDR-2024-0325) 1615 Roundelay Ln. 10 Minutes

**5. Action Items****6. Non-Action Items**

- a. Climate Adaptation Vulnerability Assessment Presentation 20 Minutes

**7. Staff Updates**

- a. Winter Park Police Department 10 Minutes
- b. Lakes Management 10 Minutes
- c. Past & Upcoming Events 5 Minutes

- Community Resources Event - 8/8 2:30p @ Killarney Elementary School
- Howell Branch Clean-up - 8/24 9a @ 2917 Temple Trail
- Fix it! Don't Pitch It - 9/7 9a @ Winter Park Events Center
- Orange County Lake Killarney Advisory Board Meeting - 9/12 5p @ Public Safety Building (500 N Virginia Ave)
- Paddleboard Clean-up - 9/14 9a @ Kraft Azalea to Dog Island
- Wood Duck Box Workshop - 9/14 9a @ MLK Jr. Park
- Sustainability Fair & EV Car Show - 9/21 9a @ West Meadow
- Get Hooked! - 10/5 7a @ MLK Pond

- d. Stormwater Management 10 Minutes

**8. Board Comments**

- a. Discussion of Public Comments Received 5 Minutes

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**9. Upcoming Agenda Items**

- a. Discussion of Upcoming Agenda Items

5 Minutes

**10. Adjournment**



## Lakes & Waterways Board

# agenda item 2.a

**item type**

Consent Agenda

**meeting date**

August 13, 2024

**prepared by****approved by****subject**

Approve the minutes of July 9, 2024

**motion | recommendation****background****alternatives | other considerations****fiscal impact****attachments**

1. LWB-mins-2024-07-09 DRAFT edited JC





# Lakes & Waterways Board Regular Meeting Minutes

**July 9, 2024 at 12:00 PM**

City Hall Commission Chambers  
401 S. Park Avenue

## **Present**

David F. March, Ed Webman, George T. Vietor, Justin J. Vermuth, Clark Sprinkel, Matthew Johnson

## **Absent**

William H. Swartz Sr.

## **Staff Present**

Assistant Director of Public Works Don Marcotte; Lakes Manager Joseph Cordell; Administrative Assistant Victoria Tabor

## **1. Call to Order**

Ed Webman called the meeting to order at 12:03 p.m.

- a. Select Chair and Vice Chair

**Motion made by Mr. Webman to nominate Justin Vermuth as Chair, seconded by Mr. Vietor, Mr. Vermuth accepted, agreed by consensus. Motion made by Mr. Vietor to nominate Ed Webman as Vice-Chair, seconded by Mr. March, Mr. Webman accepted, agreed by consensus**

## **2. Consent Agenda**

- a. Approve the minutes of June 11, 2024

**Motion made by Mr. March to approve the minutes, seconded by Mr. Vietor. Motion carried unanimously with a 6-0 vote.**

## **3. Public Comments (for items not on the agenda)**

## **4. Public Hearings (Public participation and comment on these matters must be in person.)**

Mr. Cordell presented two permits.

- a. Riprap Revetment (SAP-2024-0005) 931 Greentree Dr.

Mr. Cordell presented the riprap revetment permit for 931 Greentree Drive, new structure on Lake Osceola.

**Motion made by Mr. March to approve permit; seconded by Mr. Vietor. Motion carried unanimously with a 6-0 vote.**

- b. Seawall Application (SAP-2024-0009) 336 Henkel Cir.

Mr. Cordell presented the seawall permit at 336 Henkel Cir. Peter Fleck with US Builder answered questions pertaining to the seawall renovation and advised will use wood and composite.

**Motion made by Mr. Johnson to approve; seconded by Mr. Sprinkel. Motion carried unanimously with a 6-0 vote.**

## **5. Action Items**

## **6. Non-Action Items**

## **7. Staff Updates**

- a. Winter Park Police Department

Officer Luke stated two boats were out on the lake for the July 4 fireworks display. The past month's activities included 67 vessel safety inspections, 5 issued citations and 3 towed vessels. Five marine unit officers are now deep water lifeguard certified. Mr. Sprinkel commended the performance of the officers on July 4th.

- b. Lakes Management

The Lakes department will be partnering with FWC doing surveys of a new invasive species, the Asian Swamp Eel. Ten lakes will be surveyed.

The NRCS update is the repairing of the wall that contains the bypass pipe at Mead Gardens. This will take approximately 60 days. The large equipment on Pennsylvania Ave. is for sediment removal.

Mr. Cordell reported two new shoreline violations. Two small beaches were installed and the City is requiring removal of the imported sand.

The Mayor proclaimed July to be Lakes Appreciation Month. The Lakes Department created a calendar for residents to go out and enjoy the lakes.

c. Past & Upcoming Events

- Paddleboard Clean-up - 6/20 @ Dog Island
- Filth of July - 7/6 9 am @ Public Safety Building
- Wood Duck Box Workshop - TBD 9 am @ MLK Park / WP Library
- Spark Day - 8/24 8 am @ Howell Branch Preserve
- Fix It! Don't Pitch It! - 9/7 8 am @ Event Center
- Sustainability Fair & EV Car Show - 9/21 9 am Location TBD
- Get Hooked - 10/5 7:30 am @ MLK Park

Mr. Cordell reviewed the past & upcoming events and explained the Wood Duck Box. The updated monthly and quarterly water quality reports were provided.

Mr. Webman asked for the status of the aerator that was to be installed on Lake Virginia. Mr. Cordell advised there is a grant proposal being submitted for a very large unit to be placed in Lake Virginia and explained how the aerator works. The timeline for the aerator is approximately 6 months.

d. Stormwater Management

Mr. Marcotte displayed the updated CIP.

- There are three currently funded projects. Three permit applications have been submitted to St. Johns River Water Management District (SJRWMD) for review: Palmer Ave. drainage improvement at Old England, Killarney Dr. outfall on the west side of Lake Killarney, and the Nicolet pond. An exemption is being sought for the CDS unit on Fawsett Rd.
- Since Hurricane Ian, consultants were hired to do a study on three large basins divided into the western basin, central chain of lakes and the eastern basin. The expectation for draft reports on all three studies should be received by mid-September. The consultants provided small projects that can be planned for this year's budget. These projects will be presented to the Commission this month and final approval for funding the projects will be given at the second meeting in September.
- The infrastructure is being constructed by the City's stormwater construction crew at the Ward Park pond.

## 8. Board Comments

Mr. Sprinkel asked what is being done to treat the weeds on the lakes. Mr. Cordell advised the City uses the weedoo and uses the val run every Thursday for the shoreline. Eelgrass is not allowed to be treated because of it's protected classification. Mr. Vietor advised since the use of the weedoo, the eelgrass has been better, but it is still bad. Mr. Webman suggested scheduling eelgrass pick up with residents and going out with the weedoo every Monday after a weekend of wake board usage.

- a. Discussion of Public Comments Received

## **9. Upcoming Agenda Items**

- a. Discussion of Upcoming Agenda Items

Mr. Sprinkel informed the Board that the weed issue will continue.

## **10. Adjournment**

The meeting adjourned at 12:46 p.m.

Approved by the board on \_\_\_\_\_  
/s/ Bahiyyah Layton, Board Coordinator



## Lakes & Waterways Board

# agenda item 4.a

**item type**

Public Hearings (Public participation and comment on these matters must be in person.)

**meeting date**

August 13, 2024

**prepared by**

Victoria Tabor, Administrative Coordinator II

**approved by**

Victoria Tabor, Administrative Coordinator II

**subject**

Riprap Revetment (SAP-2024-0012) 1169 Lakeview Dr.

**motion | recommendation****background****alternatives | other considerations****fiscal impact****attachments**

1. SAP2024-0012 - 1169 Lakeview Dr



# REVETMENT APPLICATION



# SAP-2024-0012

## 1169 Lakeview Dr

- Applicant: Bradley Blum
- Contractor: Anthony Rizzo
- Permitting Agent: Nicole Butler
- Structure: Riprap Revetment
- New/Existing: New
- Waterbody: Virginia

# Parameters

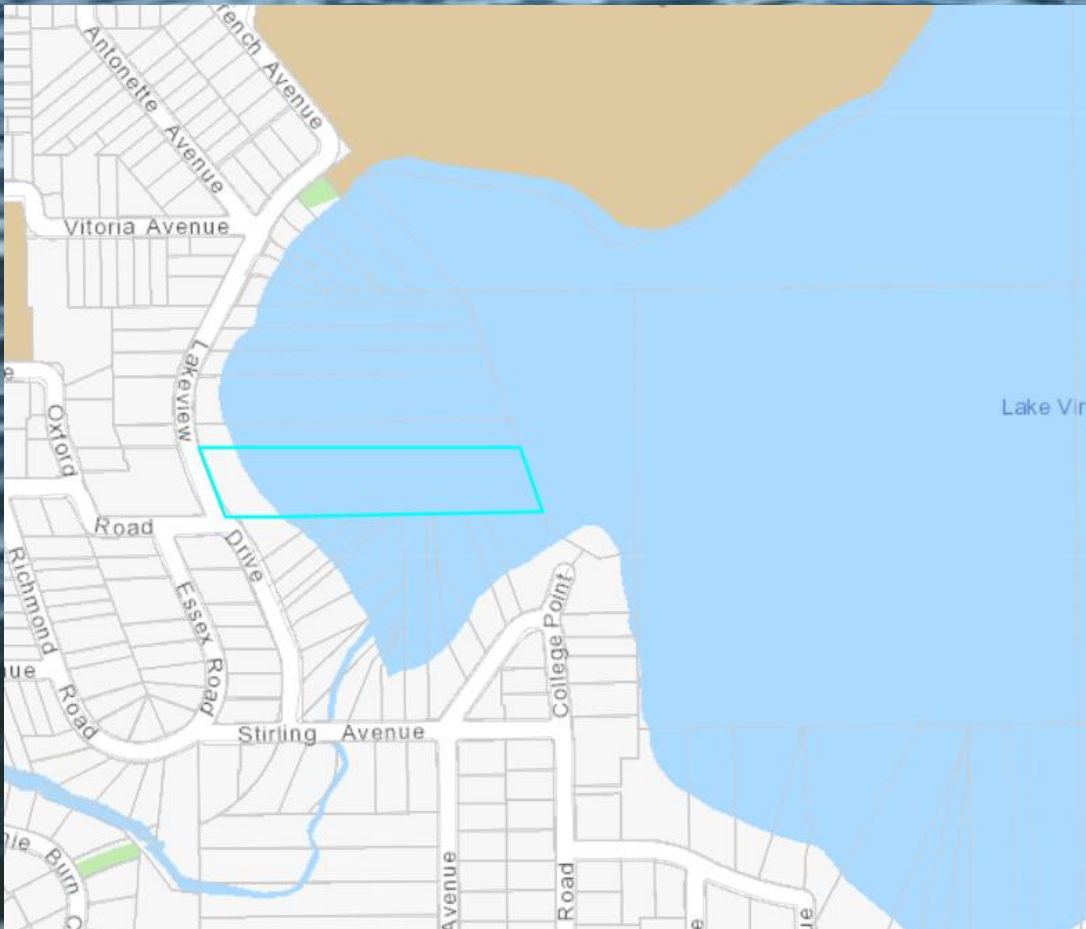
| Parameter                            | Proposed  | Allowed                               | Variance Req.? |
|--------------------------------------|-----------|---------------------------------------|----------------|
| Length (ft)                          | 105       | N/A                                   | No             |
| Slope (Horizontal:Vertical)          | 2:1       | 2:1 min                               | No             |
| Material                             | Limestone | N/A                                   | N/A            |
| Existing Erosion Problem<br>(Yes/No) | Yes       | Must have existing<br>erosion problem | N/A            |
| Meet Vegetation Criteria?            | No        | 50% may be cleared                    | N/A            |

Staff Recommendation: Approval  
Reviewed by: Joey Cordell



# Map View

**Basemap**



**Aerial View**





# Photos



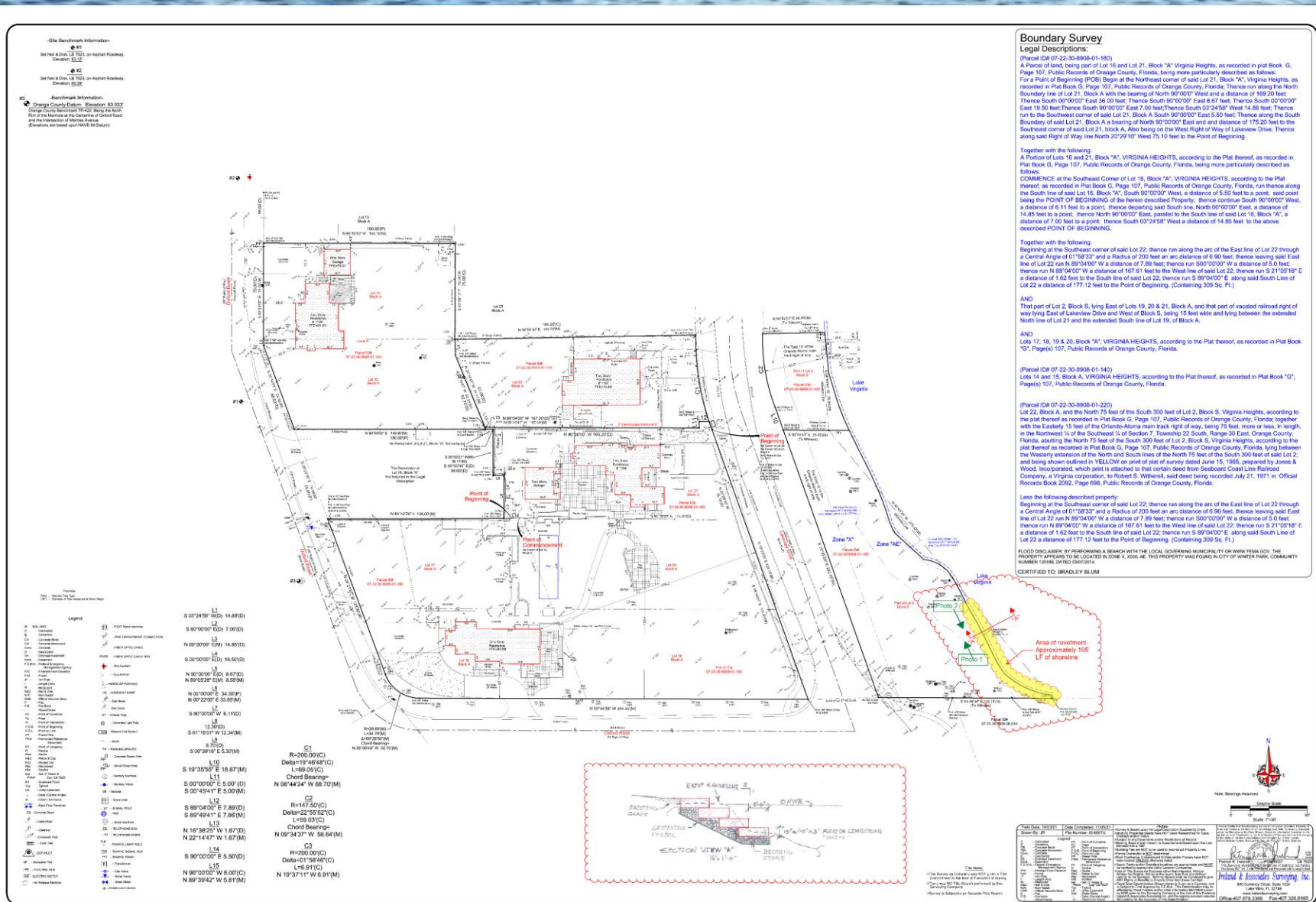


# Photos



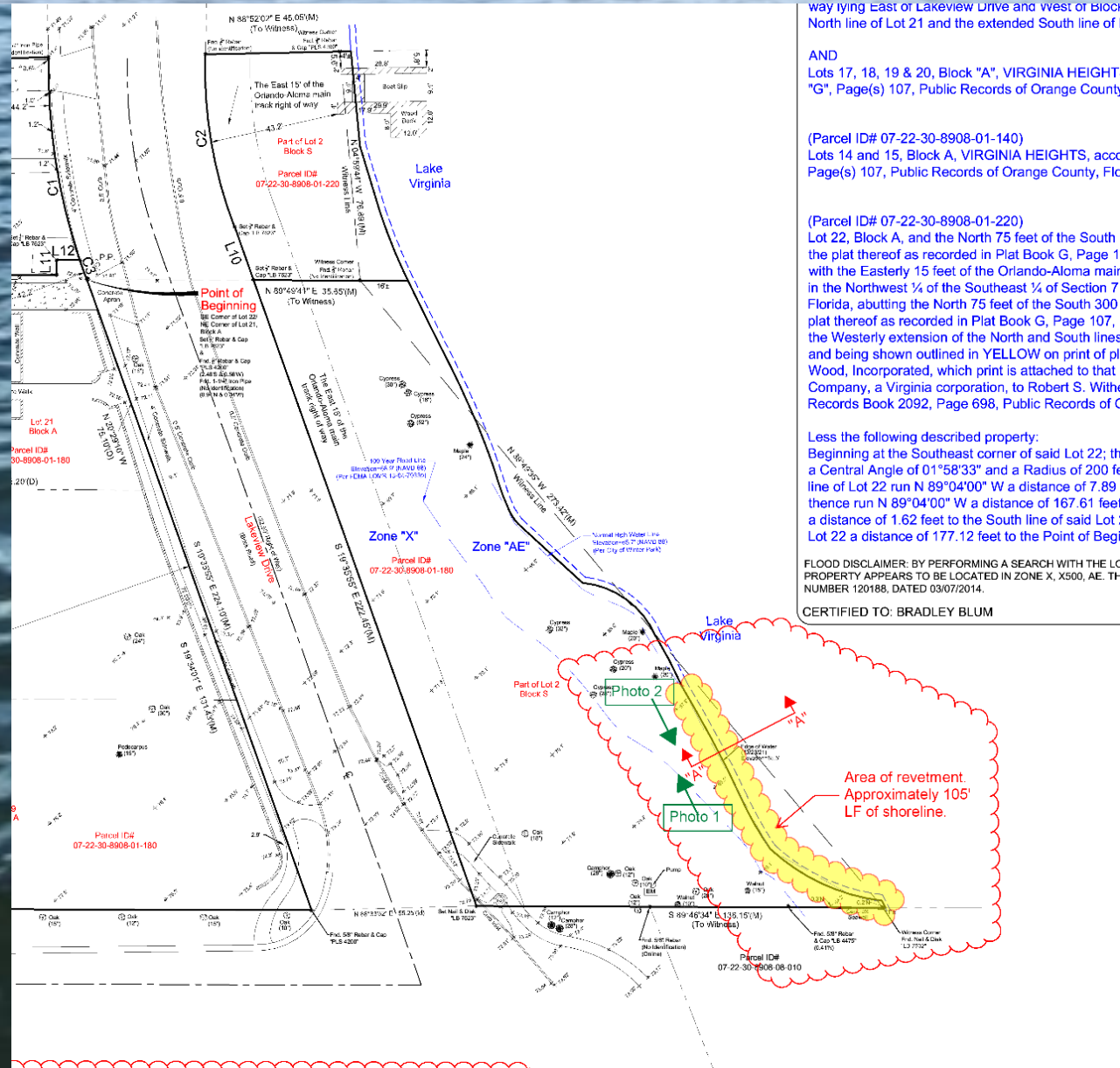


# Survey





# Site Plan



way lying East of Lakeview Drive and west of Block North line of Lot 21 and the extended South line of

AND  
Lots 17, 18, 19 & 20, Block "A", VIRGINIA HEIGHTS, acco  
"G", Page(s) 107, Public Records of Orange County

(Parcel ID# 07-22-30-8908-01-140)  
Lots 14 and 15, Block A, VIRGINIA HEIGHTS, acco  
Page(s) 107, Public Records of Orange County, Flo

(Parcel ID# 07-22-30-8908-01-220)  
Lot 22, Block A, and the North 75 feet of the South  
the plat thereof as recorded in Plat Book G, Page 1  
with the Easterly 15 feet of the Orlando-Aloma main  
in the Northwest ¼ of the Southeast ¼ of Section 7  
Florida, abutting the North 75 feet of the South 300  
plat thereof as recorded in Plat Book G, Page 107,  
the Westerly extension of the North and South lines  
and being shown outlined in YELLOW on print of pl  
Wood, Incorporated, which print is attached to that  
Company, a Virginia corporation, to Robert S. With  
Records Book 2092, Page 698, Public Records of C

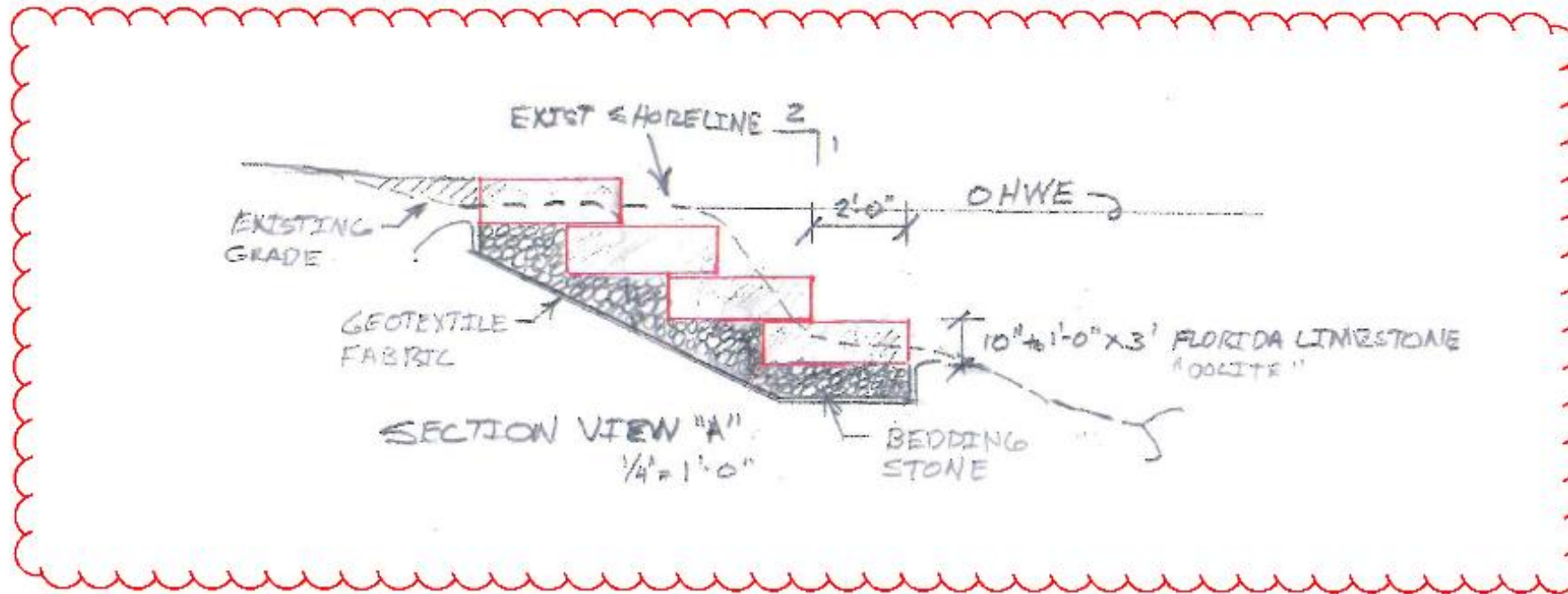
Less the following described property:  
Beginning at the Southeast corner of said Lot 22; th  
a Central Angle of 01°58'33" and a Radius of 200 fe  
line of Lot 22 run N 89°04'00" W a distance of 7.89  
thence run N 89°04'00" W a distance of 167.61 feet  
a distance of 1.62 feet to the South line of said Lot  
Lot 22 a distance of 177.12 feet to the Point of Beg

FLOOD DISCLAIMER: BY PERFORMING A SEARCH WITH THE LC  
PROPERTY APPEARS TO BE LOCATED IN ZONE X, X500, AE. TH  
NUMBER 120188, DATED 03/07/2014.

CERTIFIED TO: BRADLEY BLUM



# Cross section





## Lakes & Waterways Board

# agenda item 4.b

**item type**

Public Hearings (Public participation and comment on these matters must be in person.)

**meeting date**

August 13, 2024

**prepared by**

Victoria Tabor, Administrative Coordinator II

**approved by**

Victoria Tabor, Administrative Coordinator II

**subject**

Boathouse/Dock Application (BLDR-2024-0325) 1615 Roundelay Ln.

**motion | recommendation****background****alternatives | other considerations****fiscal impact****attachments**

1. BLDR-2024-0325 - 1615 Roundelay Ln





# LAKE SHORELINE BOATHOUSE/DOCK APPLICATIONS



# BLDR-2024-0325

## 1615 Roundelay Ln

- Applicant: Rob Panepinto
- Contractor: Robin Lopez
- Permitting Agent: Alex Dinger
- Structure: Dock
- New/Existing: New
- Waterbody: Lake Sylvan



# Parameters

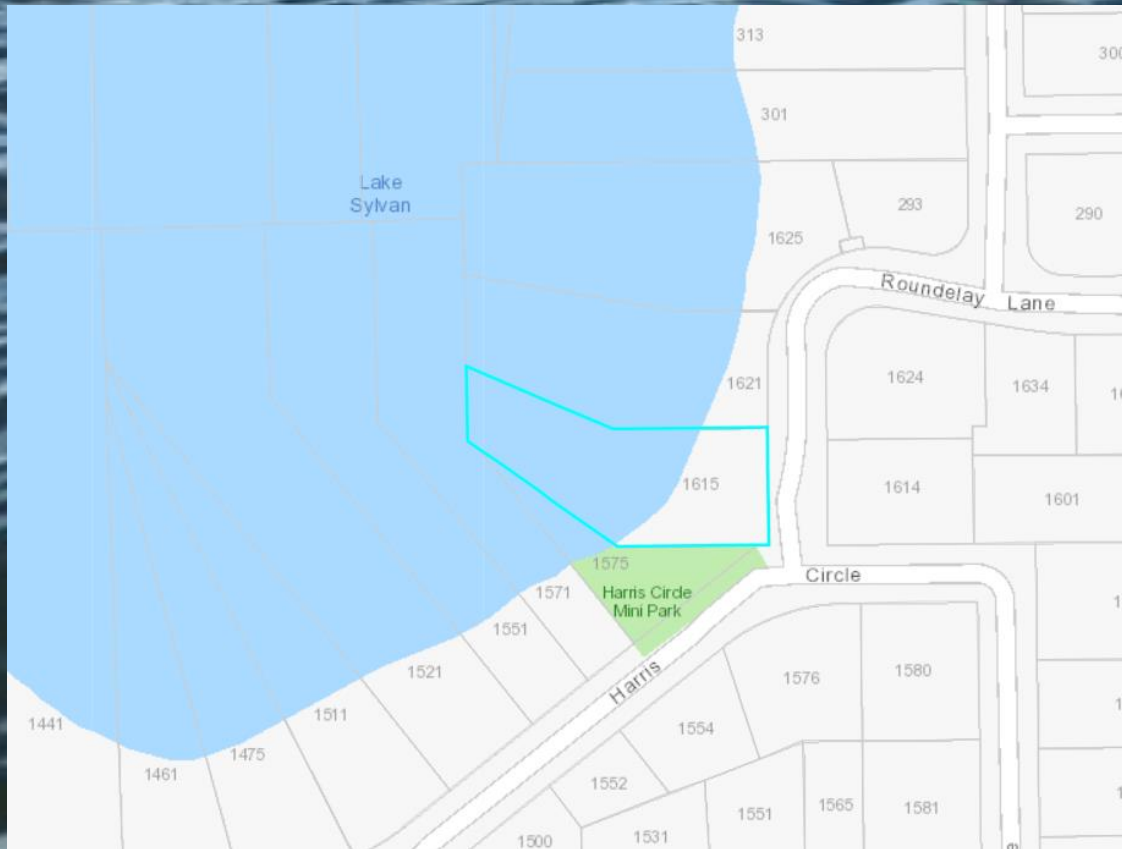
| Dock Parameter                 | Proposed | Allowed                                               | Variance Req.? |
|--------------------------------|----------|-------------------------------------------------------|----------------|
| Total Area (ft <sup>2</sup> )  | 267      | 600 max                                               | No             |
| Length from OHW (ft)           | 25       | 30'                                                   | No             |
| Height of Roof (ft above deck) | NA       | 11 max                                                | NA             |
| Height of Deck (ft above OHW)  | 1        | 2 max                                                 | No             |
| Enclosures                     | NA       | 80 ft <sup>2</sup> max<br>(no plumbing/water allowed) | NA             |
| Side Yard Setback(s) (ft)      | 10.5     | 10' min (5' with Letter of No Objection)              | No             |
| Meet Vegetation Criteria?      | Yes      | 50% may be cleared                                    | N/A            |

**Staff Recommendation: Approval**  
**Reviewed by: Joey Cordell**



# Map View

**Basemap**



**Aerial View**





# Photos





# Photos





# Survey

## Boundary Survey (Final)

## Legal Description:

LOT 7, ROUNDELAY, ACCORDING TO THE PLAT THEREOF, AS  
RECORDED IN PLAT BOOK Z, PAGE 136, OF THE PUBLIC  
RECORDS OF ORANGE COUNTY, FLORIDA.

Flood Disclaimer : By performing a search with the local governing municipality or [www.fema.gov](http://www.fema.gov), the property appears to be located in zone X, AE. This Property was found in City of Winter Park, community number 120188, dated 9/25/2009.

CERTIFIED TO : PROPEL BUILDERS



1615 Roundelay Ln  
Winter Park, FL 32789

B.O.B. = Bottom of Bank  
T.O.B. = Top of Bank  
 - Storm Inlet

Revision: Final Survey - 08-18-23 - ADS  
Revision: Updated Edge Of Water - 12/29/22- JWW  
Revision: Foundation 3 Survey - 10/18/21- ADS  
Revision: Foundation 2 Survey - 10/13/21- ADS  
Revision: Foundation Survey - 06/23/21- ADS  
Revision: Plot Plan - 04/23/21- ADS Revision:  
Updated Survey - 01/27/20 - TCK

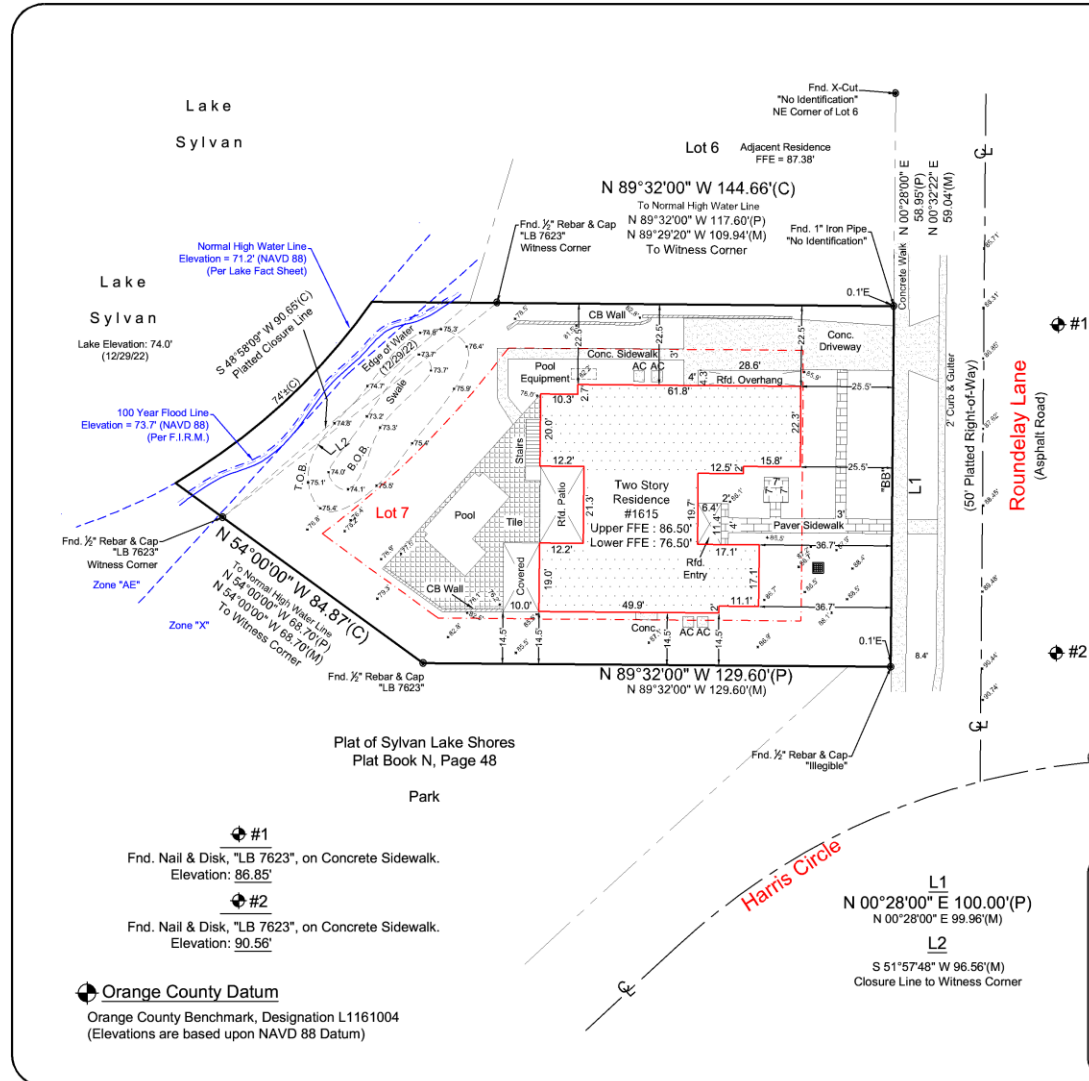
|                      |                        |                          |                              |
|----------------------|------------------------|--------------------------|------------------------------|
| Field Date: 12/06/19 |                        | Date Completed: 12/09/19 |                              |
| Drawn By: DJC        |                        | File Number: IS-68104    |                              |
| -Legend-             |                        |                          |                              |
| C                    | Calculated             | PC                       | Point of Curvature           |
| CE                   | Centerline             | P                        | Point                        |
| CB                   | Concrete Block         | PT                       | Point of Intersection        |
| CC                   | Concrete               | P.O.B.                   | Point of Beginning           |
| Conc.                | Concrete               | P.O.L.                   | Point on Line                |
| CP                   | Concrete Pipe          | PP                       | Power Pole                   |
| DE                   | Drainage Easement      | PRM                      | Permanent Reference Monument |
| E                    | Easement               |                          |                              |
| EE                   | Emergency Easement     | PT                       | Point of Tangency            |
| F.F.M.A.             | Fire Management Agency | R                        | Radius                       |
| F.F.                 | Fire                   | R                        | Radius                       |
| Fnd                  | Found                  | R&B                      | Rebar & Cap Block            |
| Fnd                  | Found                  | R&B                      | Rebar & Cap Block            |
| IR                   | Iron Pipe              | R&B                      | Rebar & Cap Block            |
| L                    | Length (Arc)           | R                        | Radius                       |
| M                    | Measured               | Set                      | Set                          |
| M.D.                 | Measured Disk          | Set                      | Set                          |
| N.R.                 | Non-Radial             | Typ                      | Typical                      |
| ORB                  | Original Records Book  | U                        | Utility Easement             |
| ORB                  | Original Records Book  | U                        | Utility Easement             |
| P                    | Pit                    | W                        | Water Meter                  |
| P.B.                 | Pit Book               | Δ                        | Delta (Central Angle)        |

I hereby Certify that this Boundary Survey of the above Described Property is True and Correct to the Best of my Knowledge and Belief as recently Surveyed under my Direction on the Date Shown, Based on Information furnished to Me as Noted and Conforms to the Standards of Practice for Land Surveying in the State of Florida in accordance with Chapter 53-17.052 Florida Administrative Codes, Pursuant to Section 472.027 Florida Statutes.

Patrick K. Ireland

**Irland & Associates Surveying, Inc.**

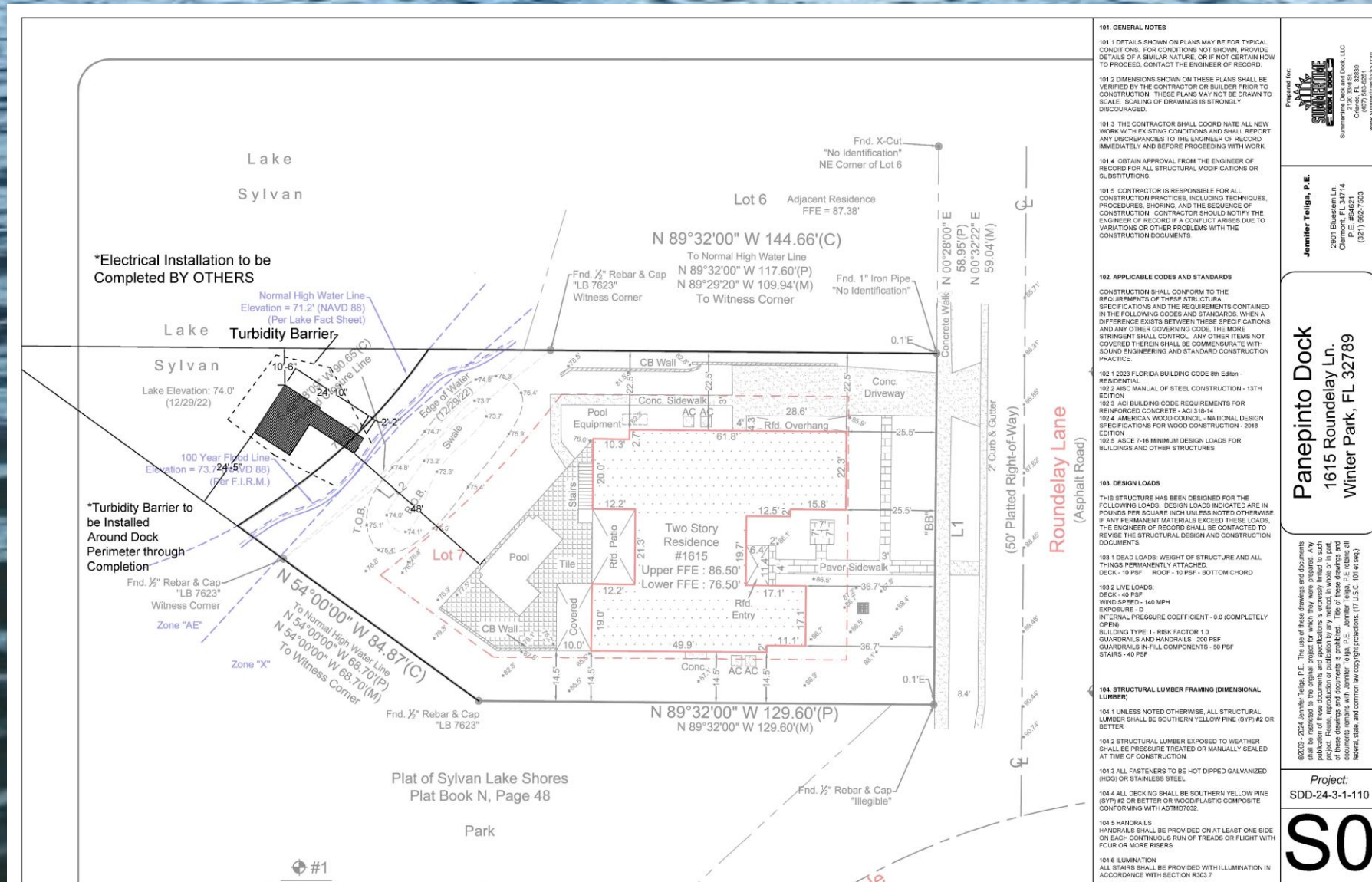
800 Currency Circle, Suite 1020  
Lake Mary, Florida 32746  
www.irelandsurveying.com  
Office-407.678.3366 Fax-407.320.8165

[illegible] Orange County Datum

Orange County Benchmark, Designation L1161004  
(Elevations are based upon NAVD 88 Datum)

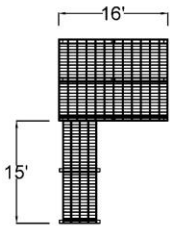


# Plans

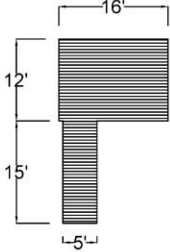




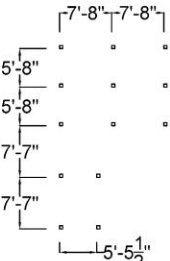
# Plans



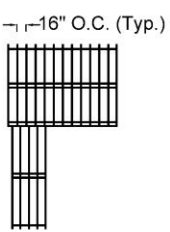
Plan View (Top View)



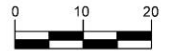
Decking Layout



Piling Layout



Framing Layout



|                                               |
|-----------------------------------------------|
| TERMINAL PLATFORM AREA: 192 Sq. Ft.           |
| TERMINAL PLATFORM + WALKWAY AREA: 267 Sq. Ft. |



**Jennifer Tellig, P.E.**  
2901 Bluestem Ln.  
Clermont, FL 34714  
P.E. #64821  
(321) 662-7503

**Panepinto Dock**  
1615 Roundelay Ln.  
Winter Park, FL 32789

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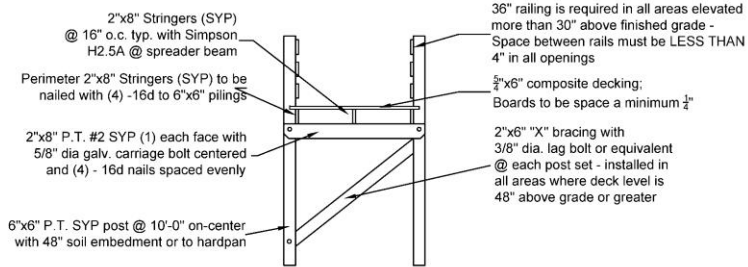
Project:  
SDD-24-3-1-110

**S1**

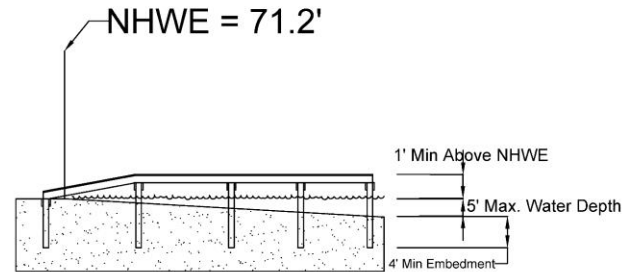
# Plans

## Notes:

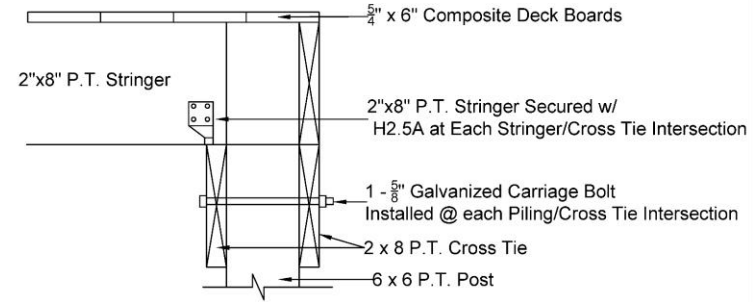
- 1.) All framing to be fastened with 16d HDG ring shank nails.
- 2.) All decking to be fastened with 2-3/4" galvanized screws - 2 per board per stringer.
- 3.) All lumber to be Southern Yellow Pine (SYP).



Typical Cross Section

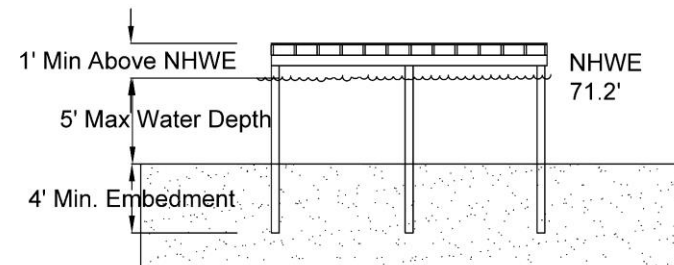


Side Elevation

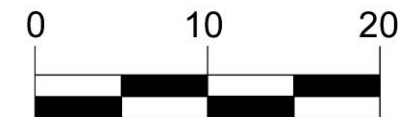


Framing Detail I

\* refer to Typical Cross Section I for additional details\*



Lakeside Elevation



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Panepinto Dock  
1615 Roundelay Ln.  
Winter Park, FL 32789

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Project:  
SDD-24-3-1-110

S2





## Lakes & Waterways Board

# agenda item 6.a

**item type**

Non-Action Items

**meeting date**

August 13, 2024

**prepared by**

Victoria Tabor, Administrative Coordinator II

**approved by**

Victoria Tabor, Administrative Coordinator II

**subject**

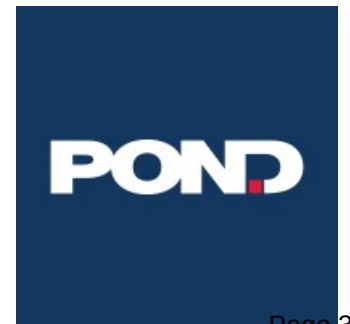
Climate Adaptation Vulnerability Assessment Presentation

**motion | recommendation****background****alternatives | other considerations****fiscal impact****attachments**

1. Lakes & Waterways Community Meeting 8.13.24

# WINTER PARK CLIMATE ADAPTATION VULNERABILITY ASSESSMENT (VA)

APPLIED ECOLOGY, INC.



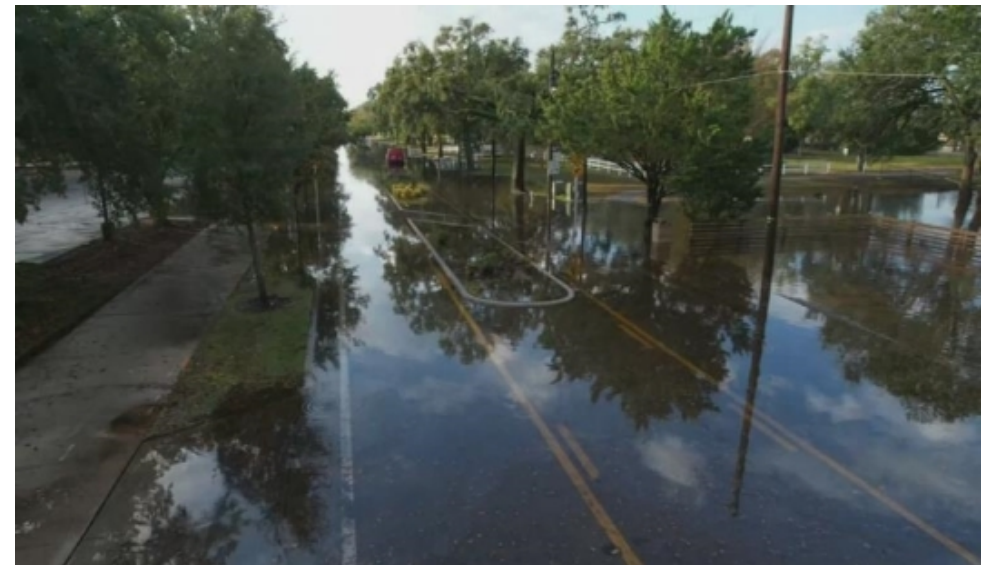


# PROJECT OBJECTIVE AND PURPOSE

- Identify critical and regionally significant assets in Winter Park
- Evaluate various flood scenarios
- Prioritize and focus adaptation planning on most critical needs
- Support the City's Climate Action and Resiliency Plan



Funding provided by a FDEP Coastal Resiliency Program Grant



# CLIMATE ADAPTATION PLANNING GUIDE (FDEP)

## Context

- Assemble steering committee
- Set guiding principles
- Establish planning area and geographic context
- Define public outreach

## Adaptation Strategies

- Assess adaptive capacities
- Prioritize adaptation needs
- Identify adaptation strategies
- Integrate into existing plans



## Vulnerability Assessment

- Conduct an exposure analysis
- Conduct a sensitivity analysis
- Assign focus areas

## Implementation Strategies

- Assess implementation capabilities
- Create a schedule of activities, actions, and actors

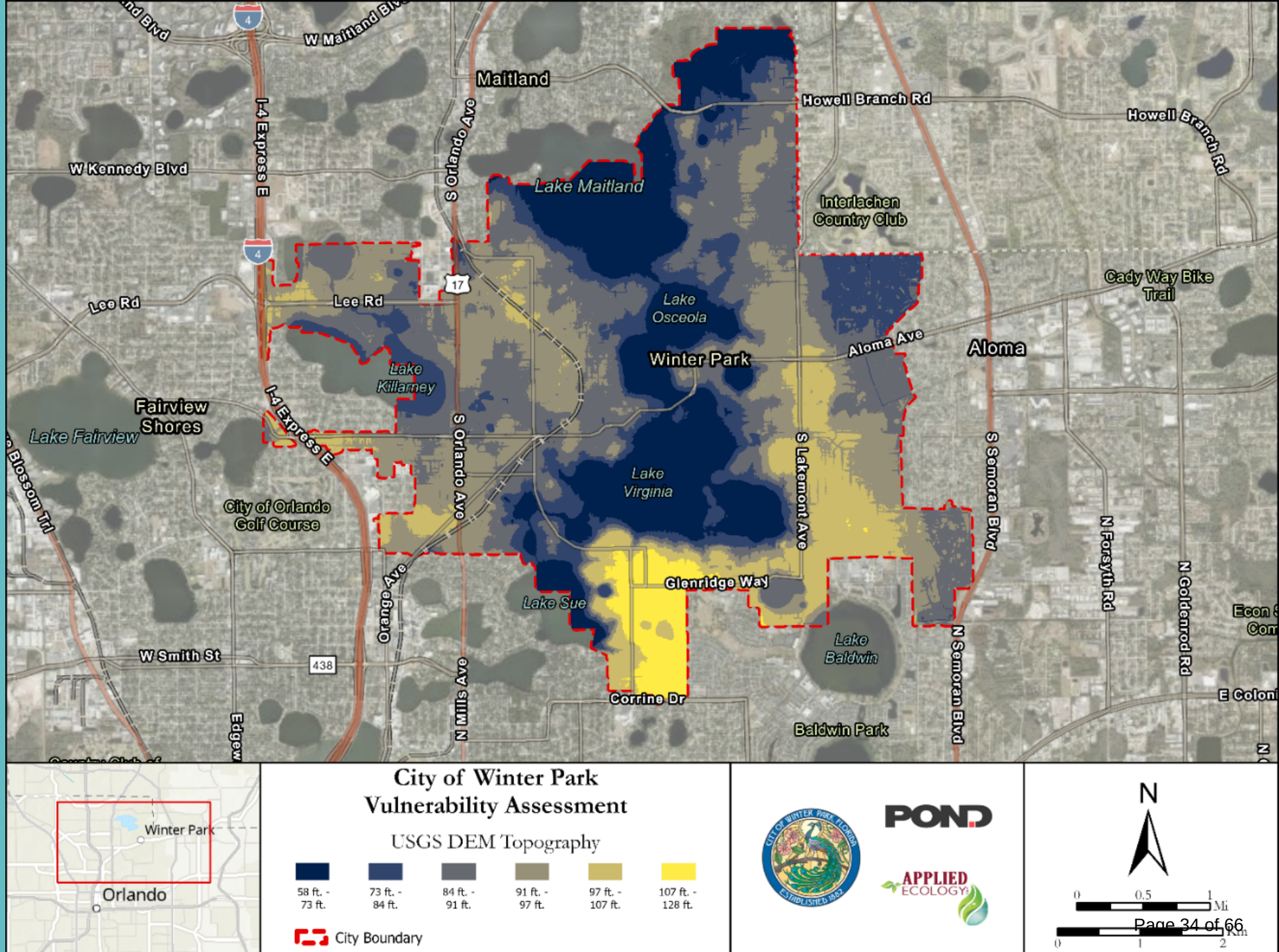


# ELEVATION (NAVD88)

57.8-123.3 FT

South to North

Almost visualize  
where flooding  
will occur around  
lakes





## RAINFALL

| 24-hr Storm Interval | Rainfall Depth (Inches) |
|----------------------|-------------------------|
| 5-year               | 5.22                    |
| 10-year              | 6.12                    |
| 25-year              | 7.56                    |
| 50-year              | 8.82                    |
| <b>100-year</b>      | 10.20                   |
| 200-year             | 11.80                   |
| <b>*500-year</b>     | 14.89                   |

**Bolded** storm scenarios were modeled.

\*Hurricane Ian (2022) = 14.2”

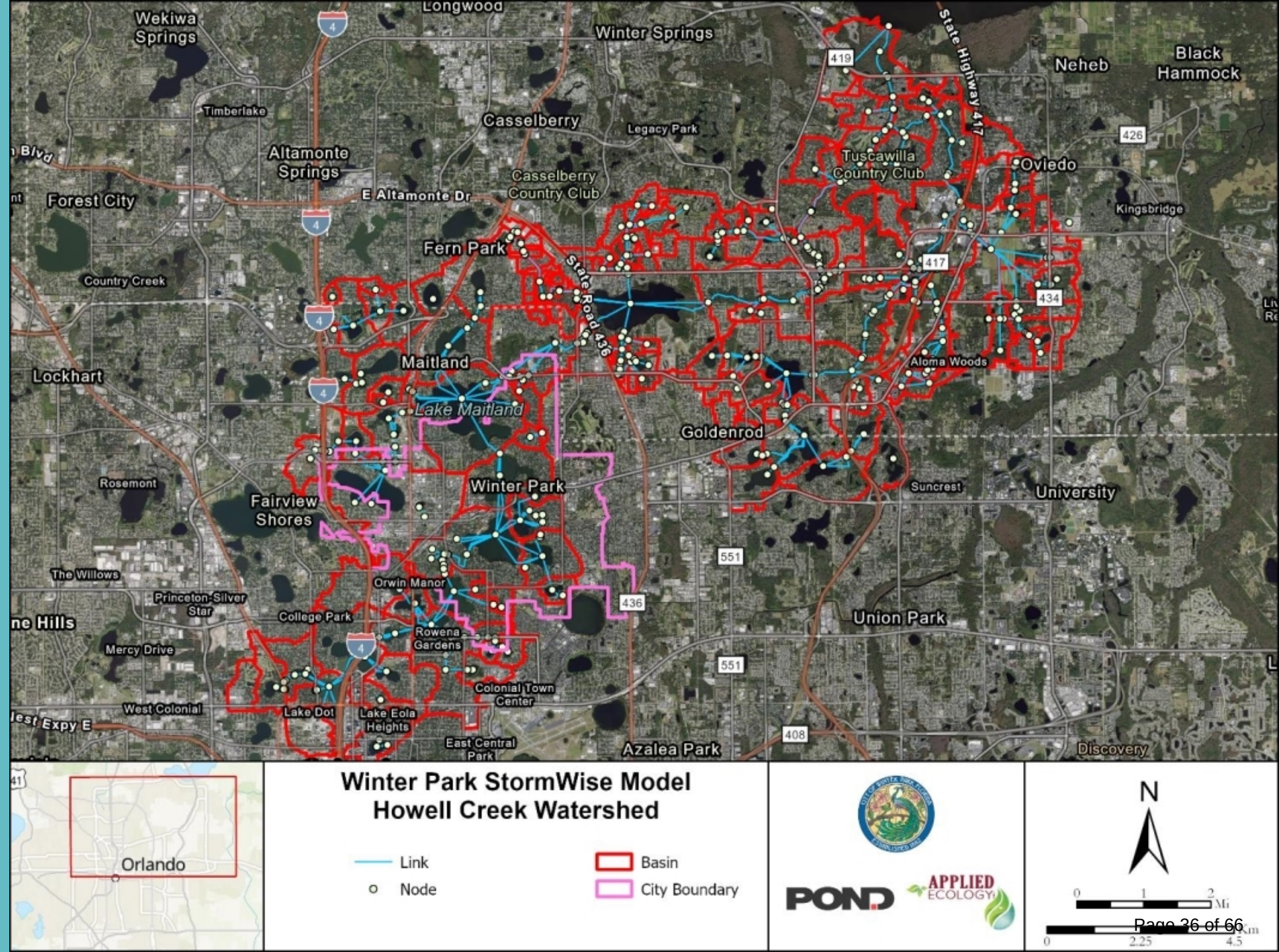


# STORMWISE MODEL (REGIONAL EFFORT)

Updated FEMA Flood  
Insurance Rate Maps &  
Stormwater Master  
Plan.

Provides surface flows  
based on drainage  
basins nodes linked by  
conveyance system.

Modeled 100-yr and  
500-yr, 24-hr storms.





# CRITICAL ASSETS IDENTIFIED WITHIN THE CITY OF WINTER PARK

| Critical Assets                 | Number |
|---------------------------------|--------|
| Bridges                         | 7      |
| Bus Terminals                   | 107    |
| Marinas                         | 1      |
| Communications Facilities       | 2      |
| Disaster Debris Management Site | 1      |
| Drinking Water Facilities       | 4      |
| Wastewater Treatment Plant      | 1      |
| Electrical Production           | 1      |
| Hazardous Waste Facilities      | 8      |
| Solid Waste Facilities          | 8      |
| Stormwater Assets               | 3068   |
| Schools                         | 8      |
| College/University              | 9      |
| Community Center                | 2      |
| Emergency Operation Center      | 1      |
| Fire Stations                   | 3      |
| Health Care Facilities          | 7      |
| Hospital                        | 1      |
| Law Enforcement                 | 2      |
| Local Government Facilities     | 20     |
| Logistical Staging Area         | 1      |
| Conservation Land               | 15     |
| Wetlands                        | 44     |
| Historical & Cultural Sites     | 24     |
| Parks                           | 122    |



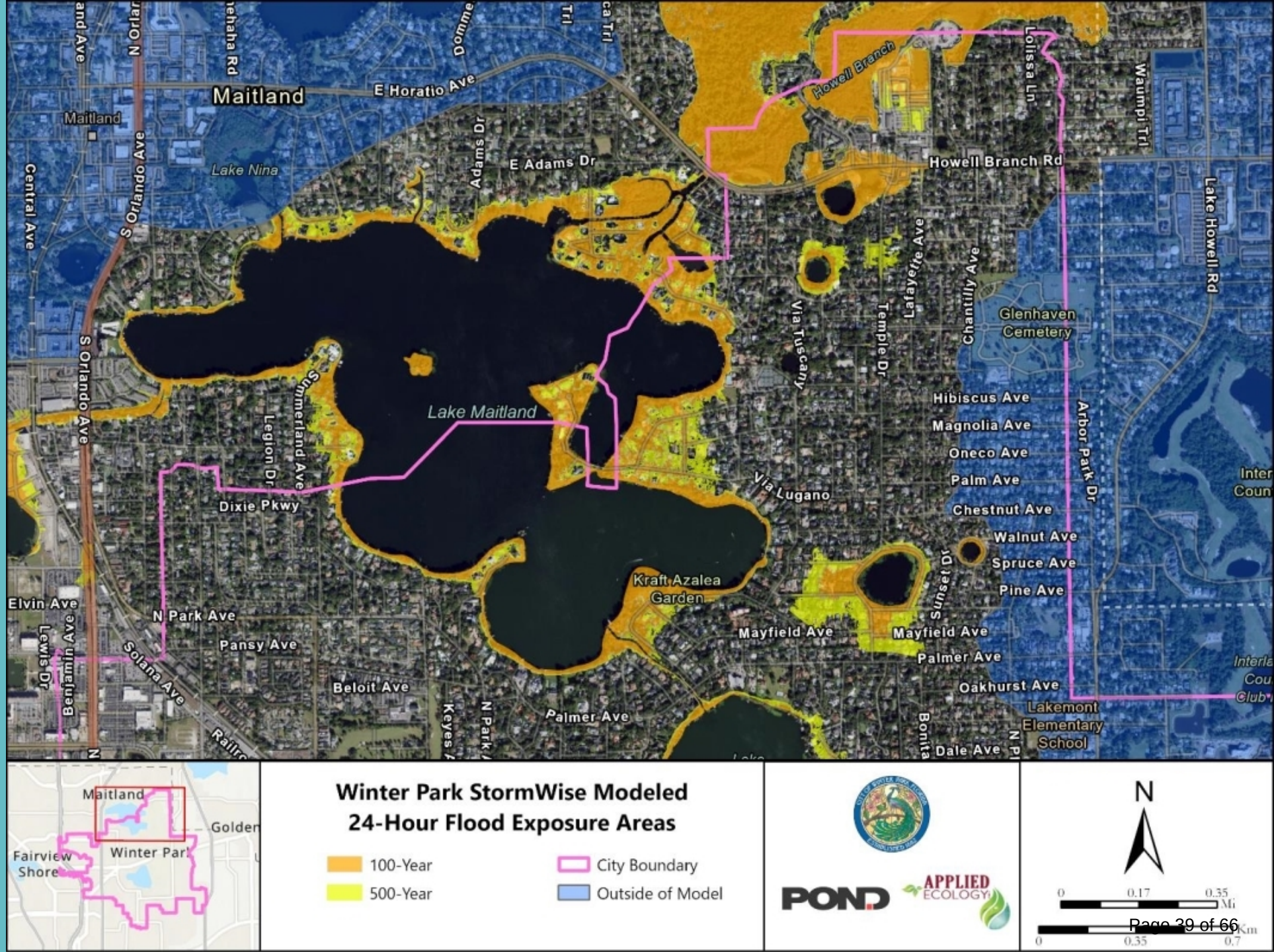
# FLOOD EXPOSURE & SENSITIVITY

- Modeled 2040 and 2070 sea level rise projections - they do not impact the City
- Modeled two storm scenarios – 100-yr and 500-yr, 24-hr storms
- Exposure refers to the asset's exposure to flood waters, not inundated
- Sensitivity refers to the depth of the water that covers the asset



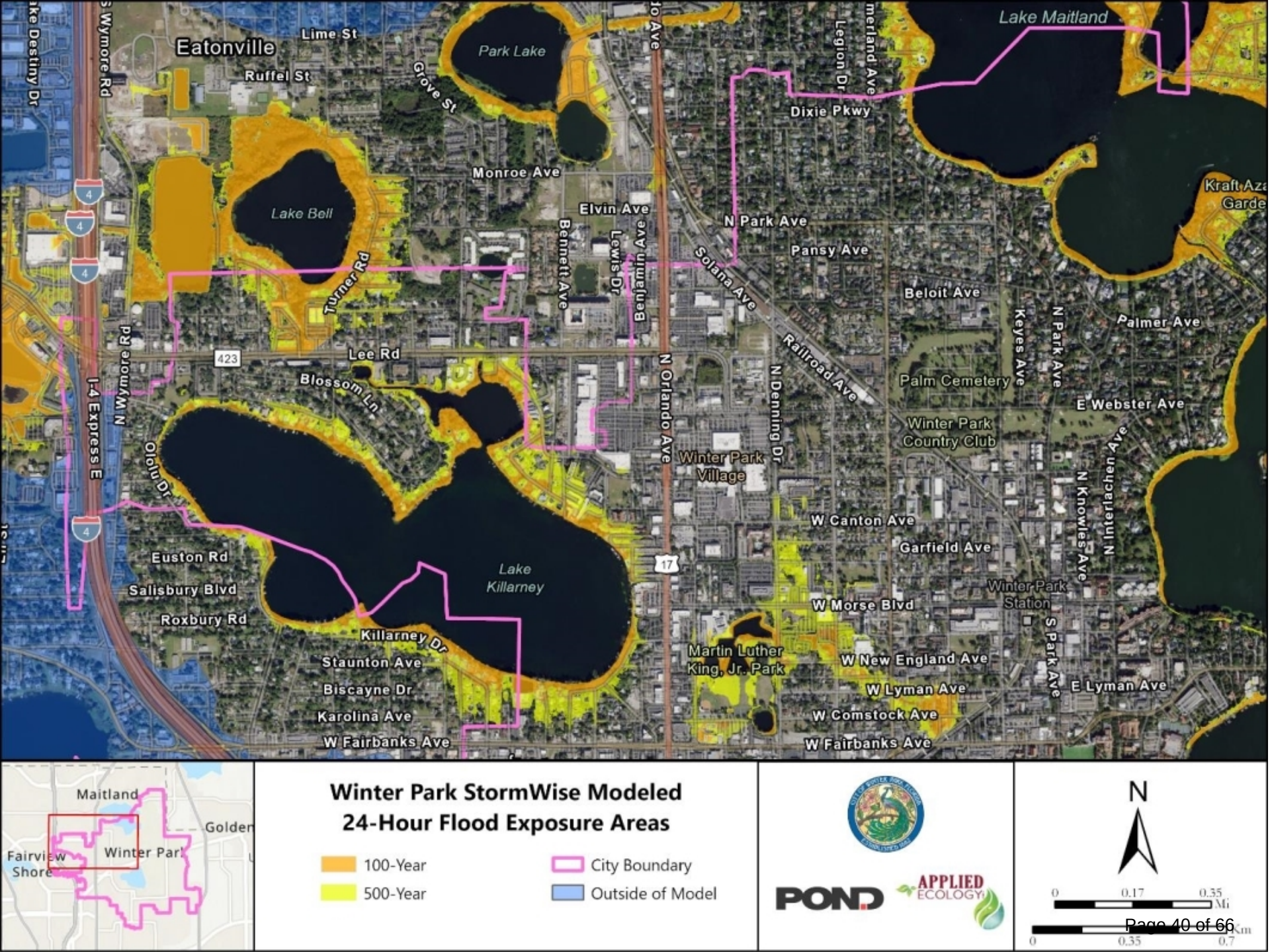


# NORTH REGION STORM FLOOD EXPOSURE



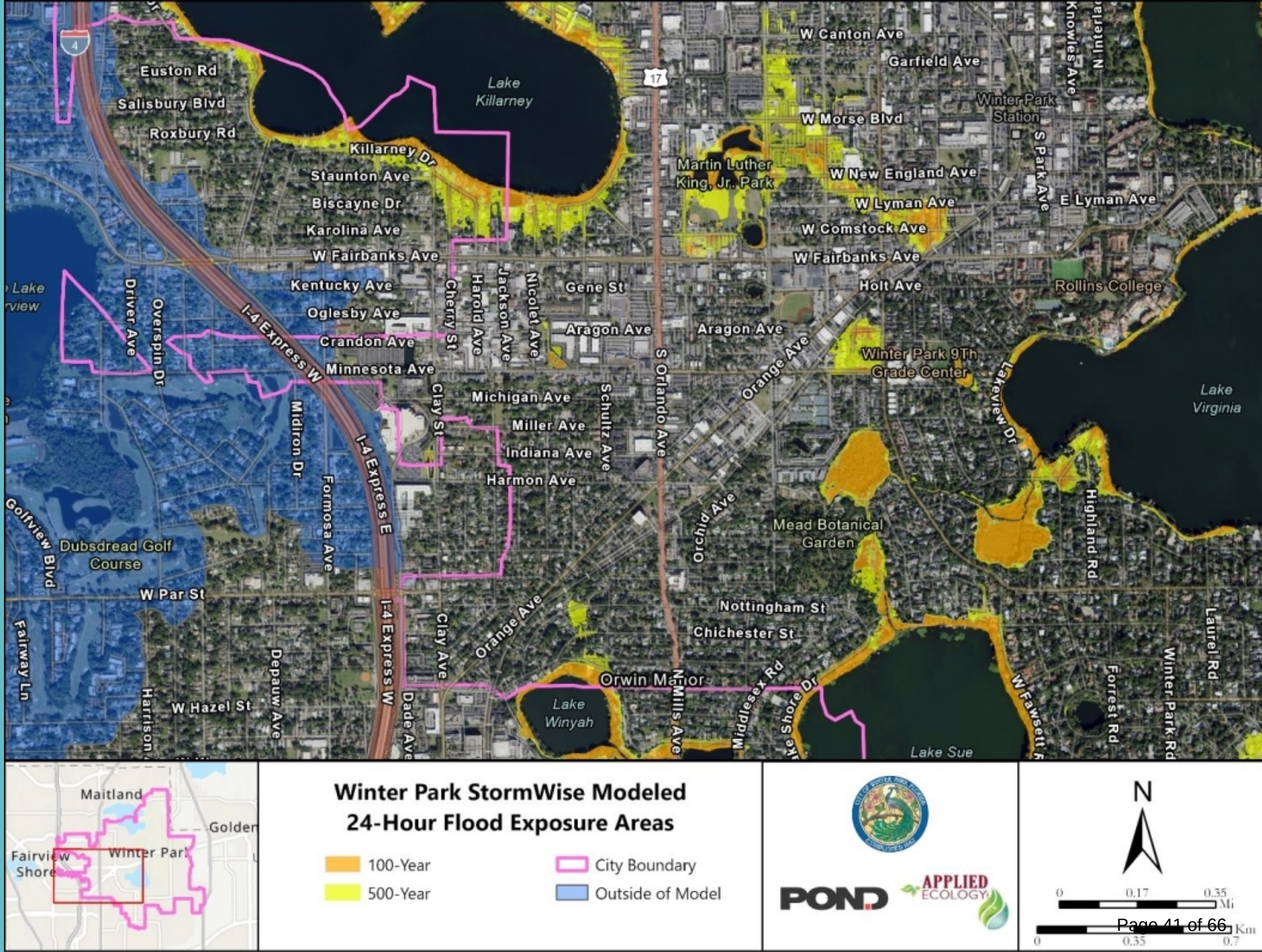


NORTH -WEST  
REGION  
STORM  
FLOOD EXPOSURE



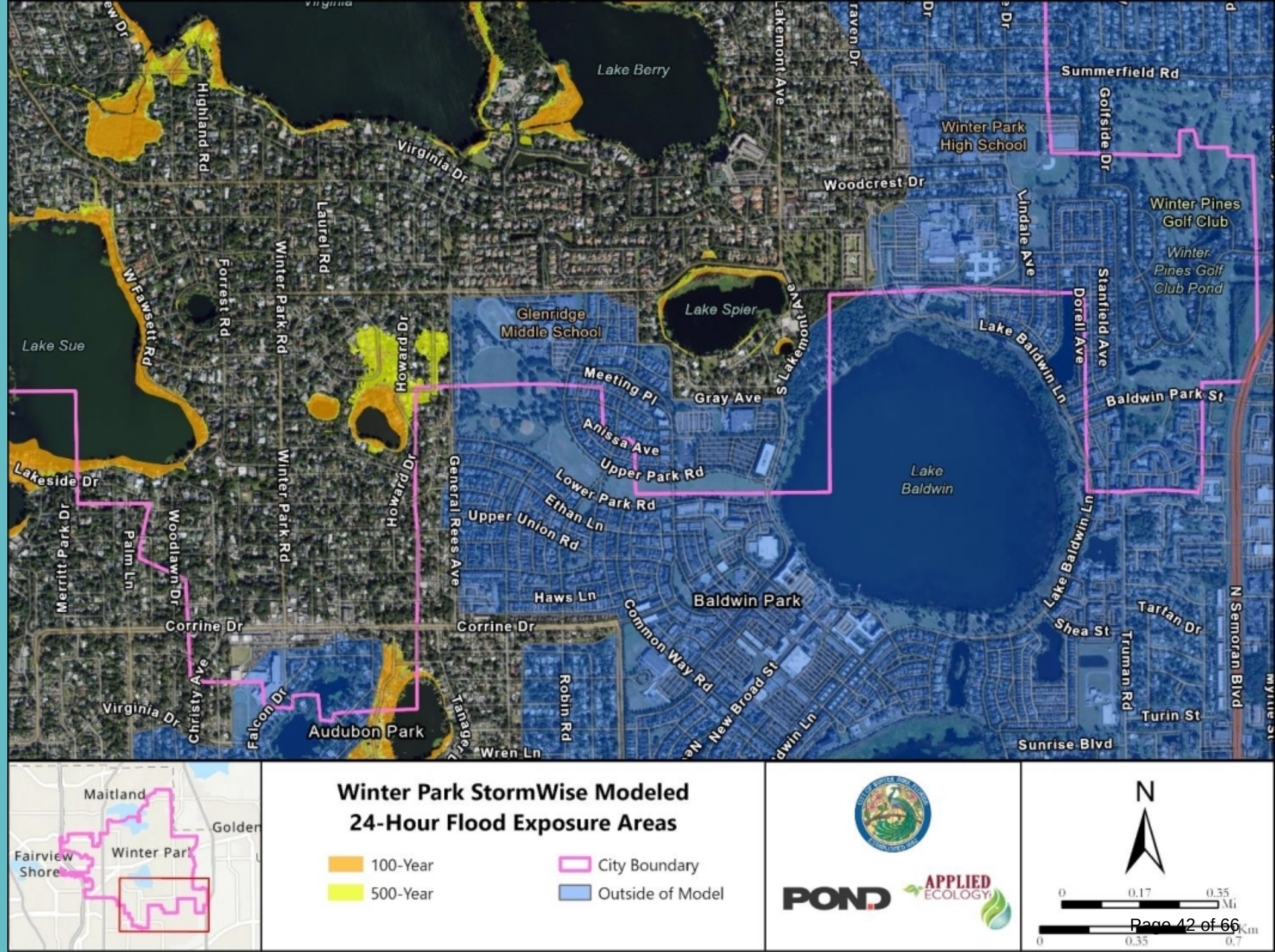


# WEST REGION STORM FLOOD EXPOSURE



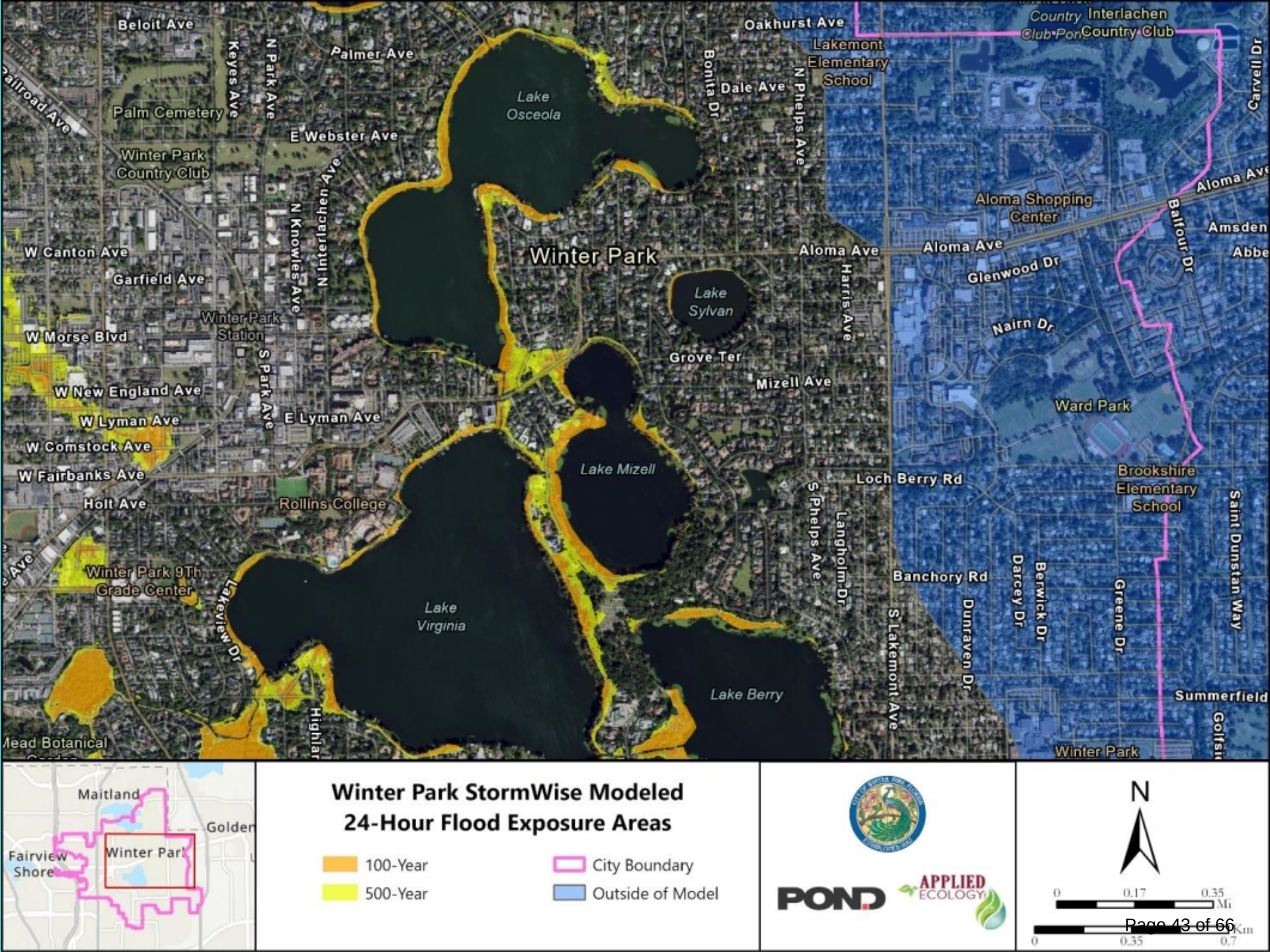


# SOUTH REGION STORM FLOOD EXPOSURE



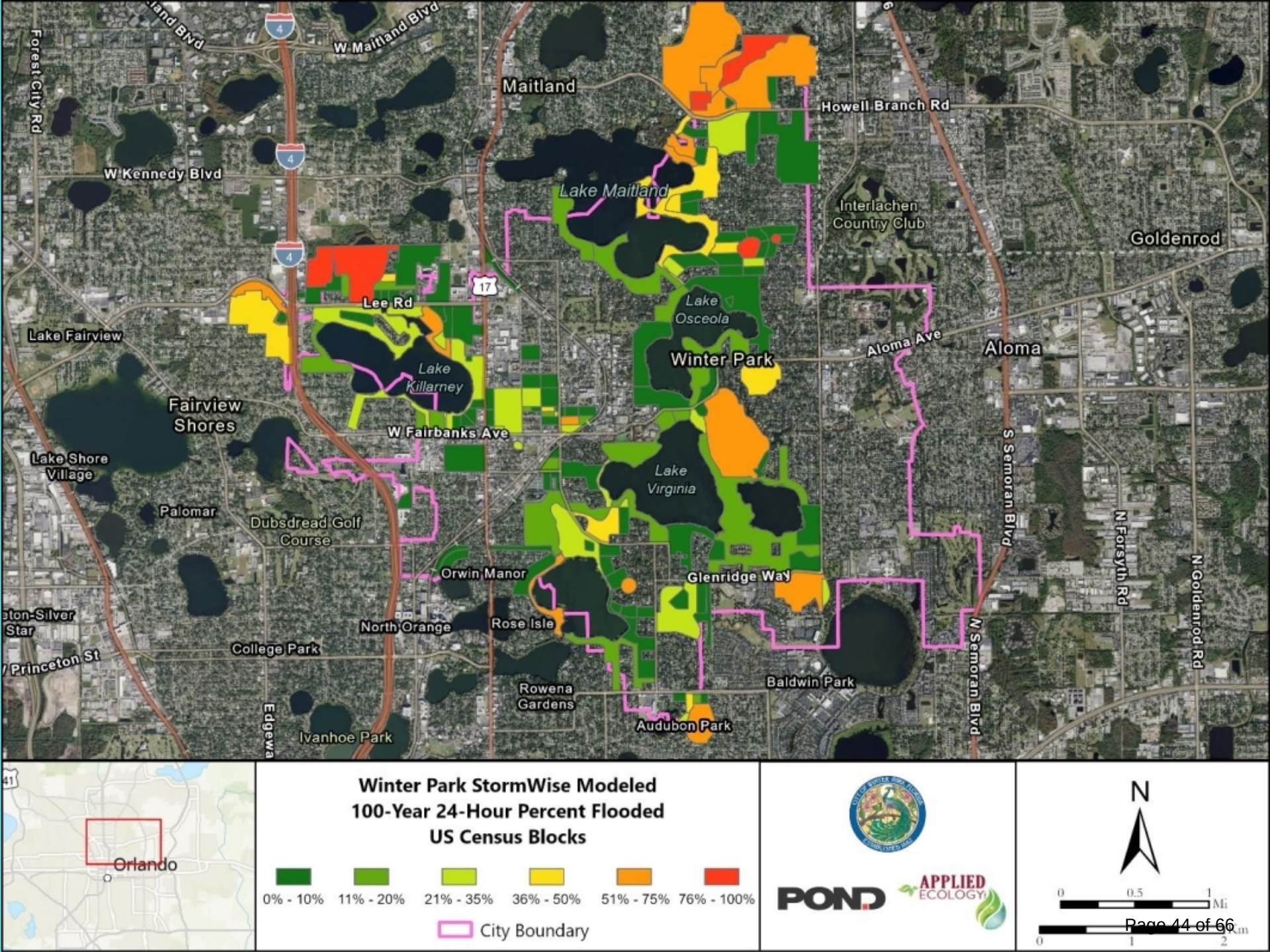


EAST-CENTRAL  
REGION  
STORM  
FLOOD EXPOSURE



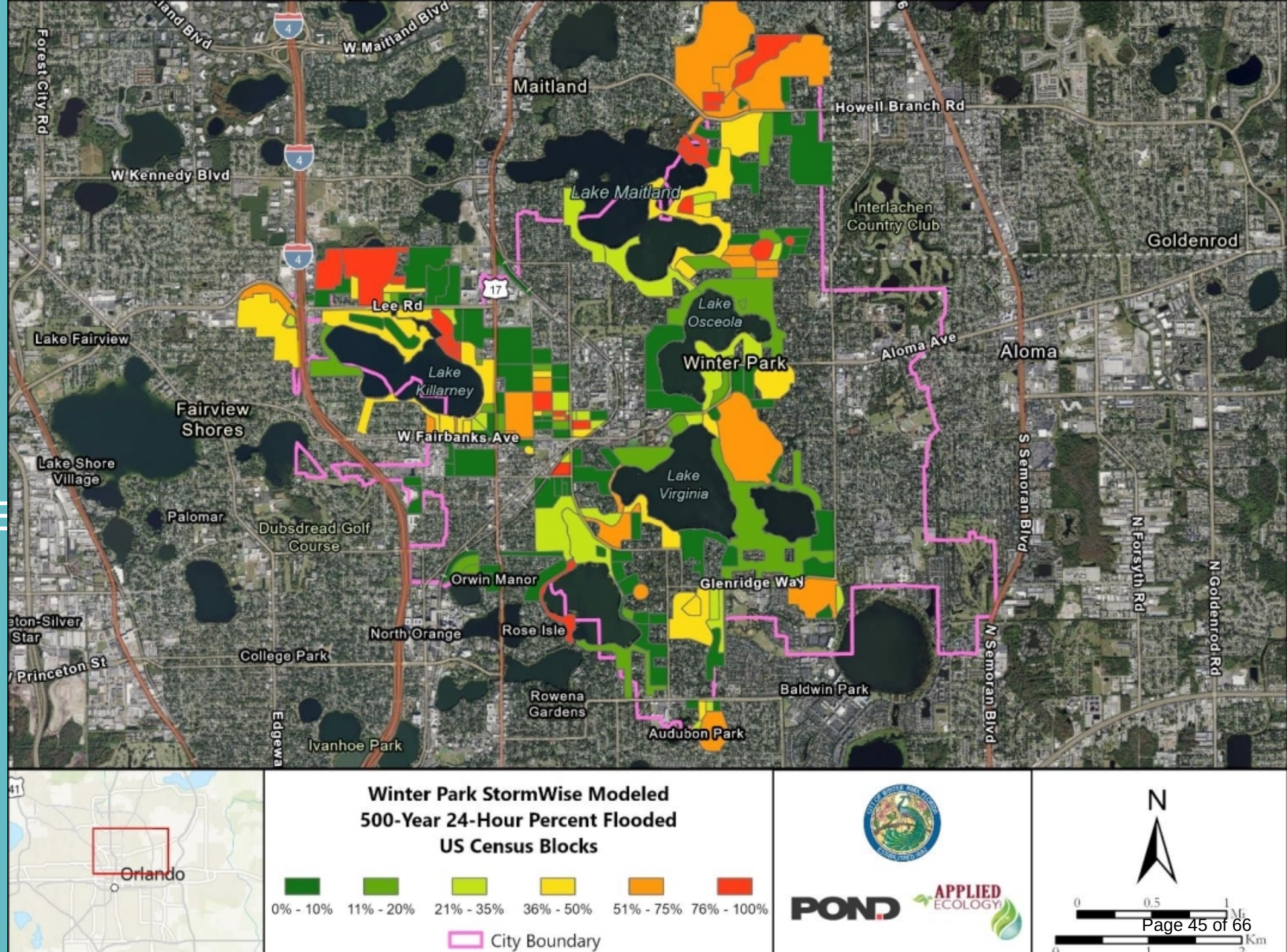


100-YR, 24-HR  
STORM  
FLOOD EXPOSURE



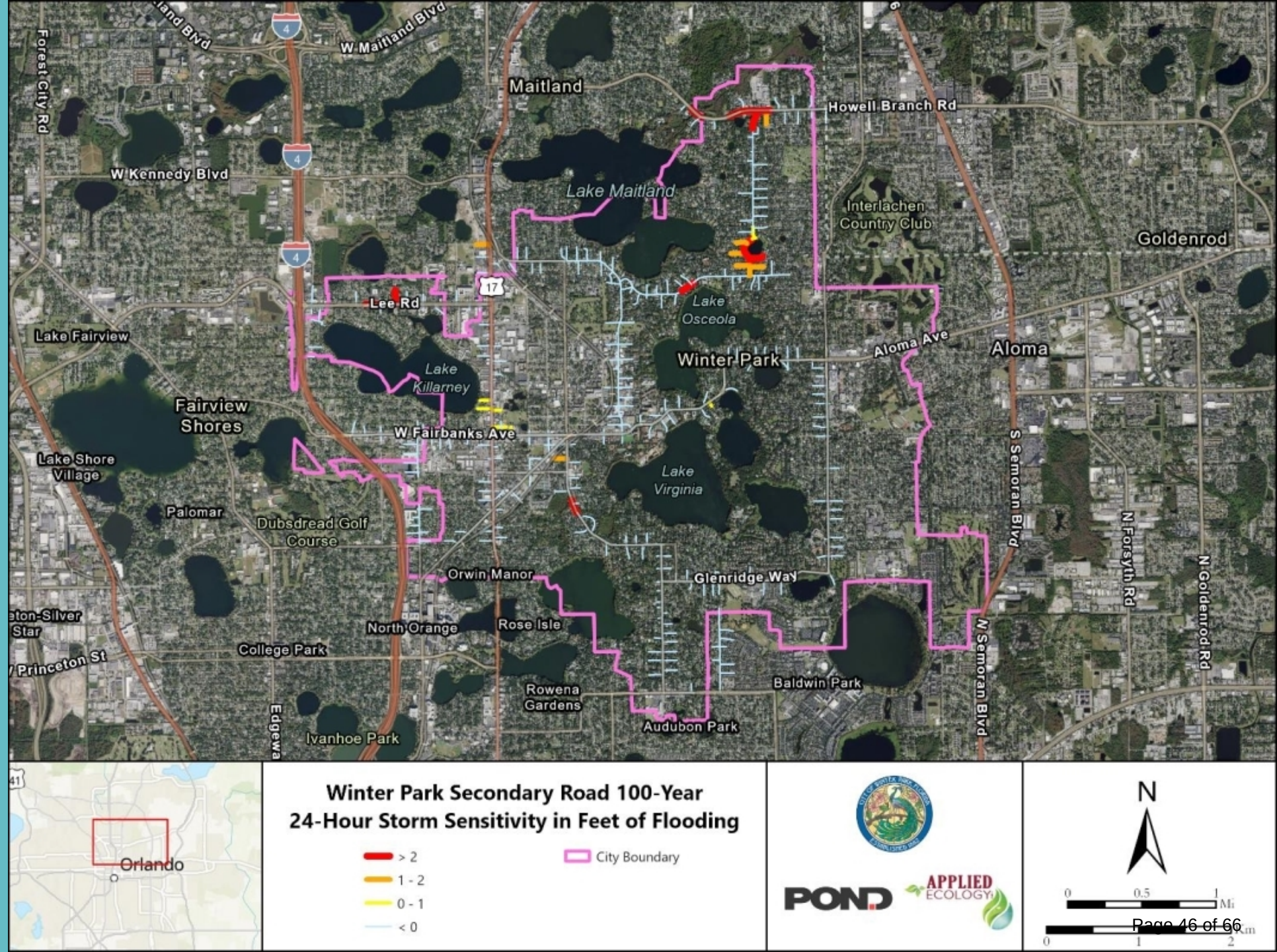


# 500-YR, 24-HR STORM FLOOD EXPOSURE



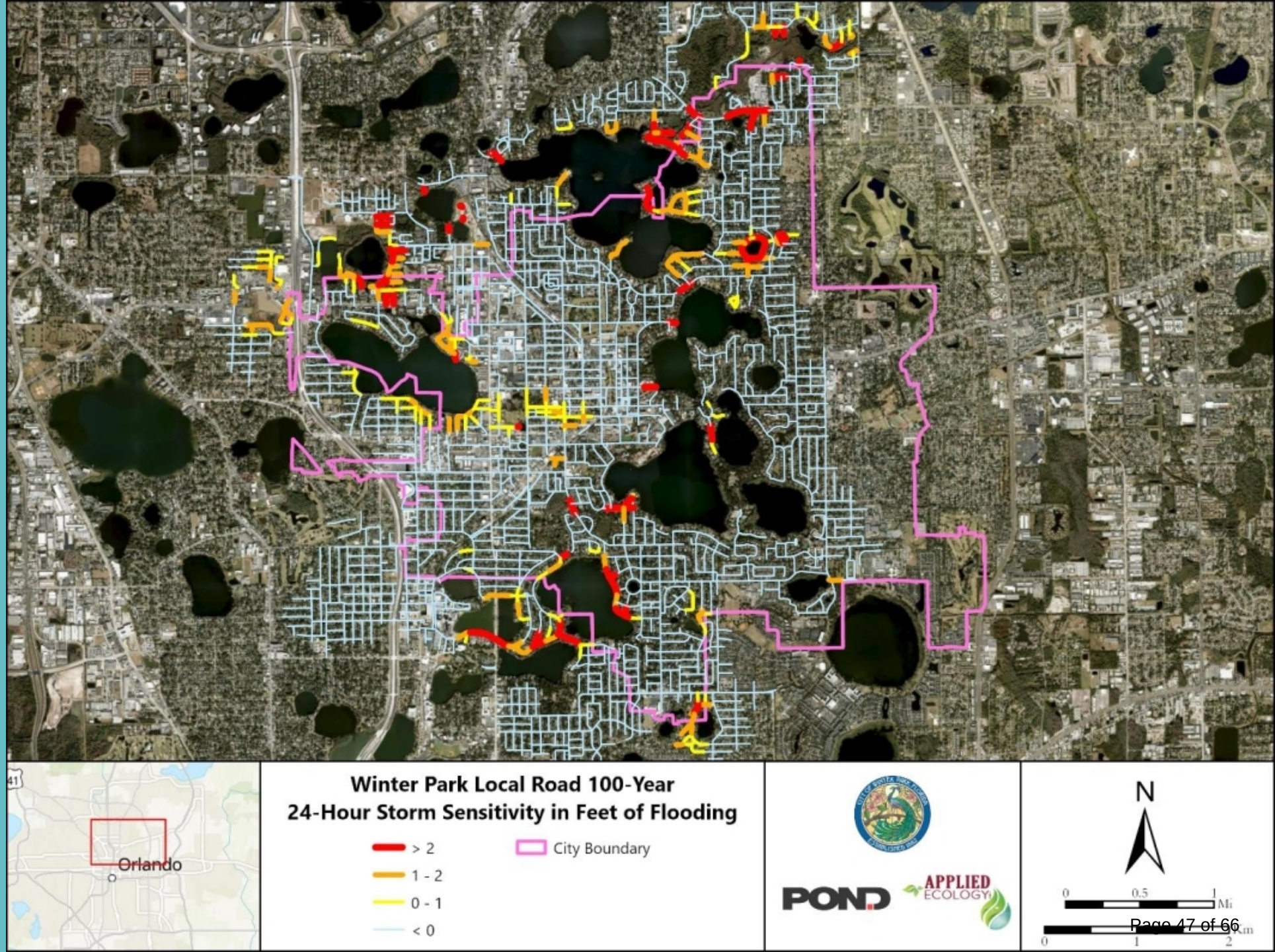


# SECONDARY ROADS FLOOD EXPOSURE & SENSITIVITY



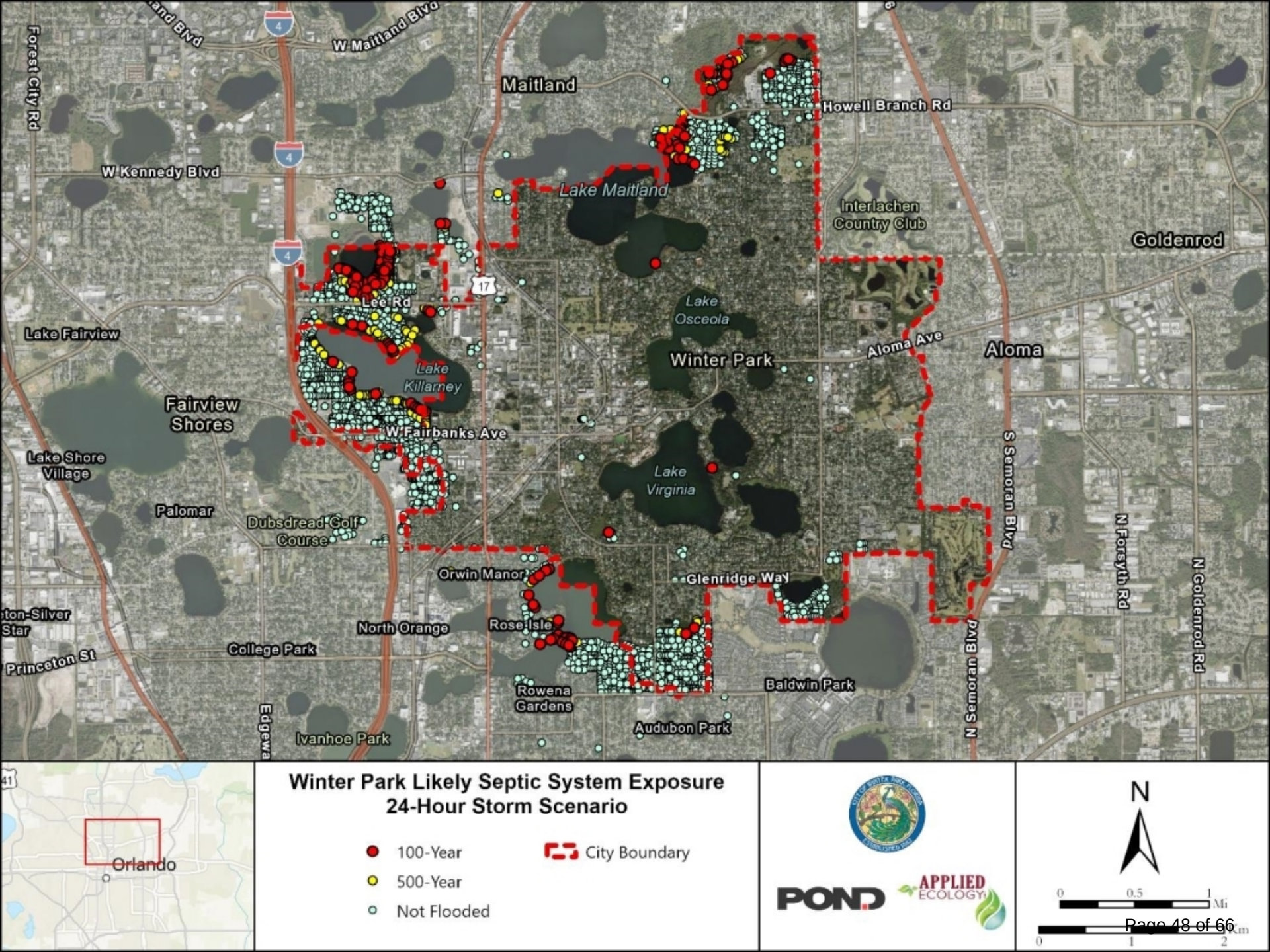


# LOCAL ROADS FLOOD EXPOSURE & SENSITIVITY





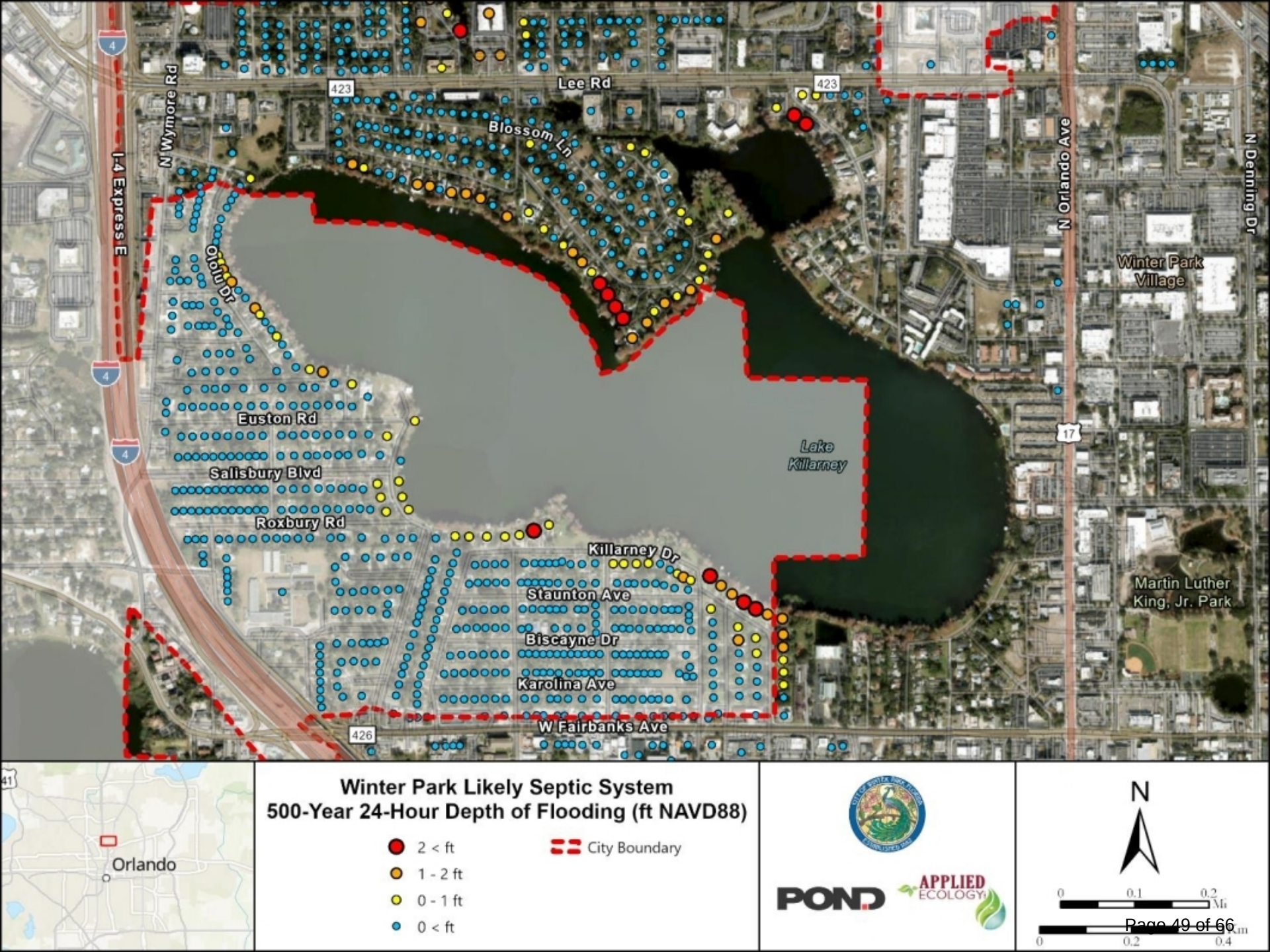
SEPTIC TANKS  
FLOOD EXPOSURE





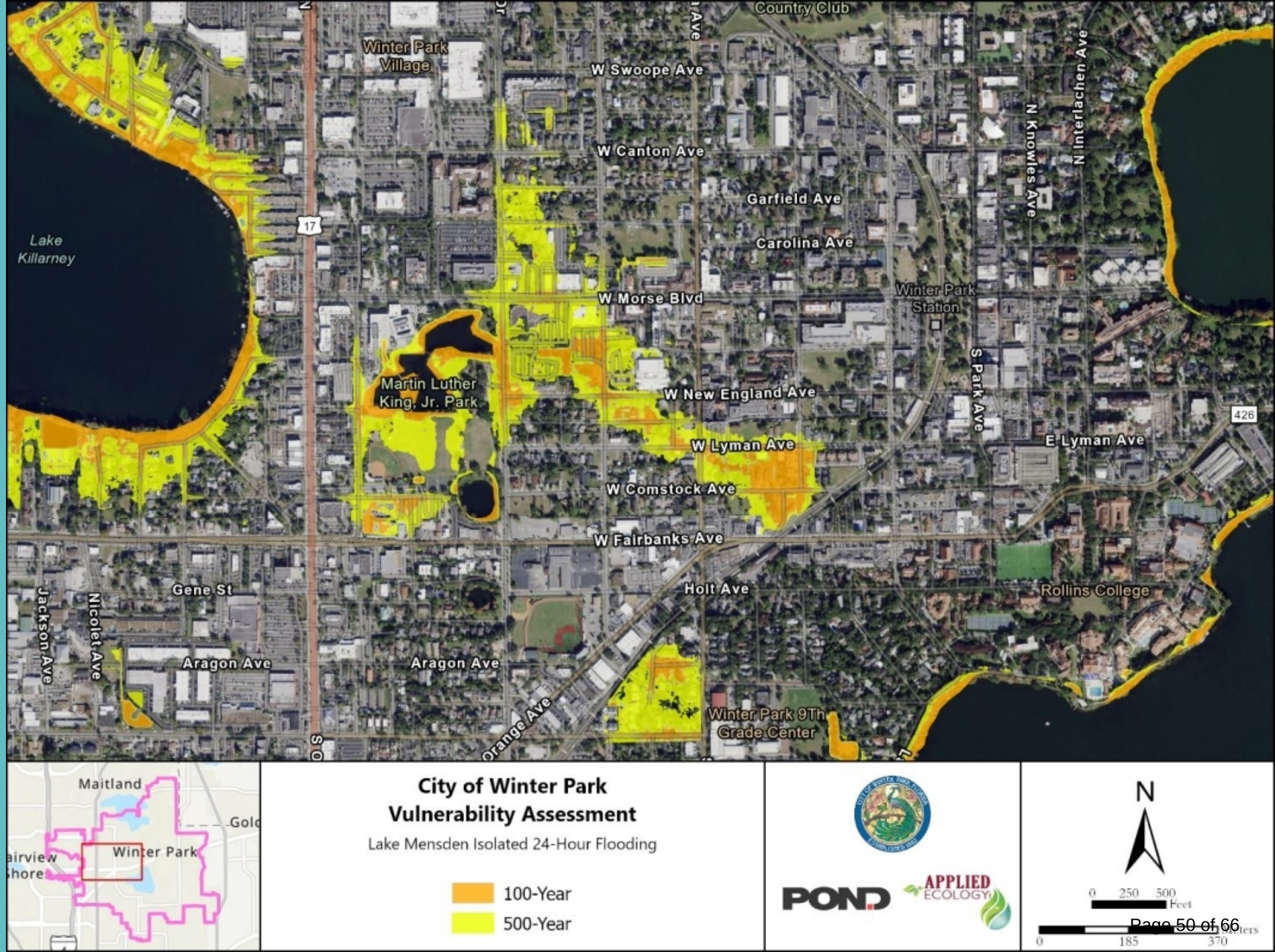
FOCUS AREA  
LAKE KILLARNEY  
SEPTIC TANKS

FLOOD EXPOSURE  
& SENSITIVITY





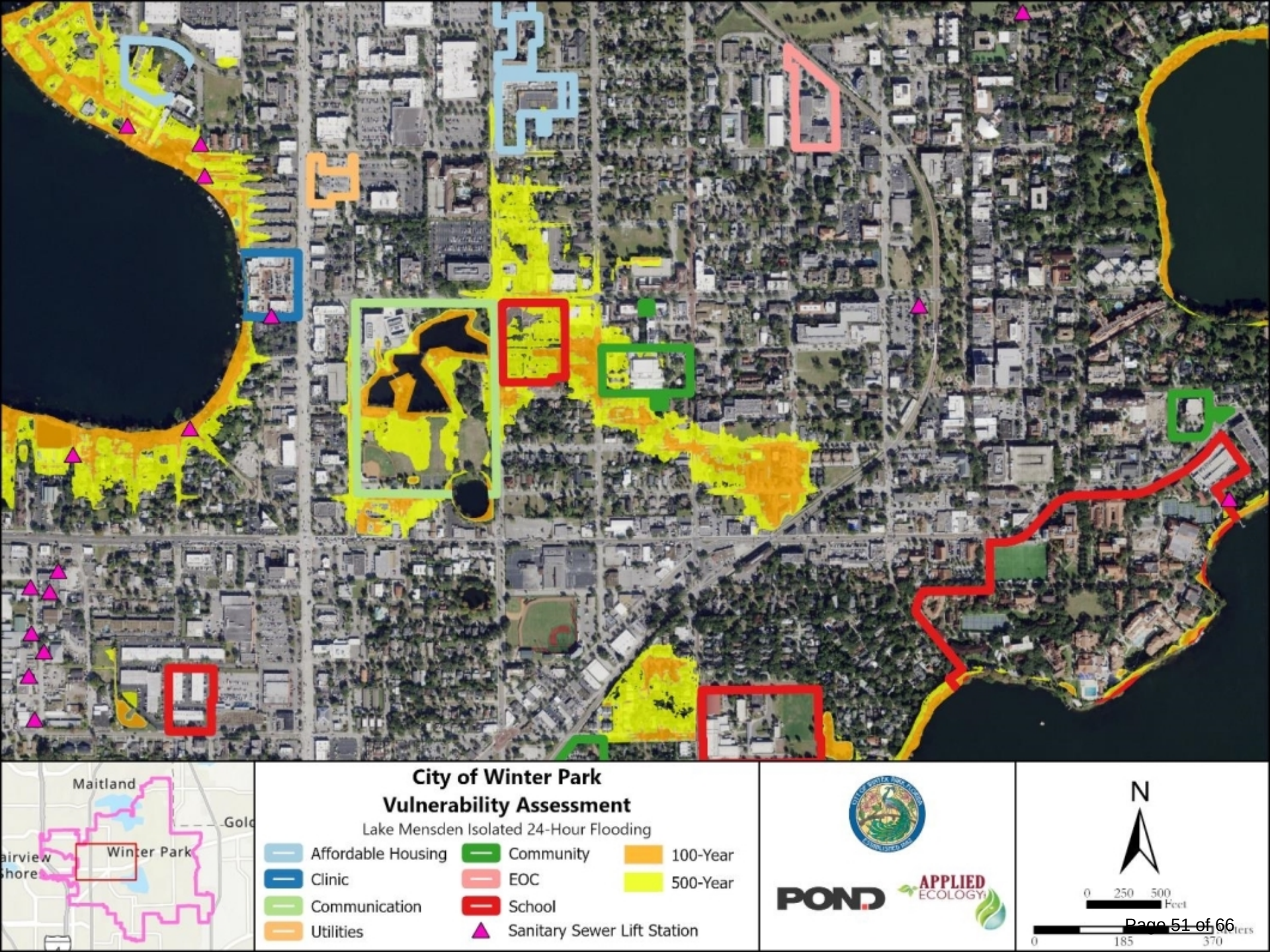
STORMWATER  
FOCUS AREA  
LAKE MENSDEN





LAKE MENS DEN  
FOCUS AREA

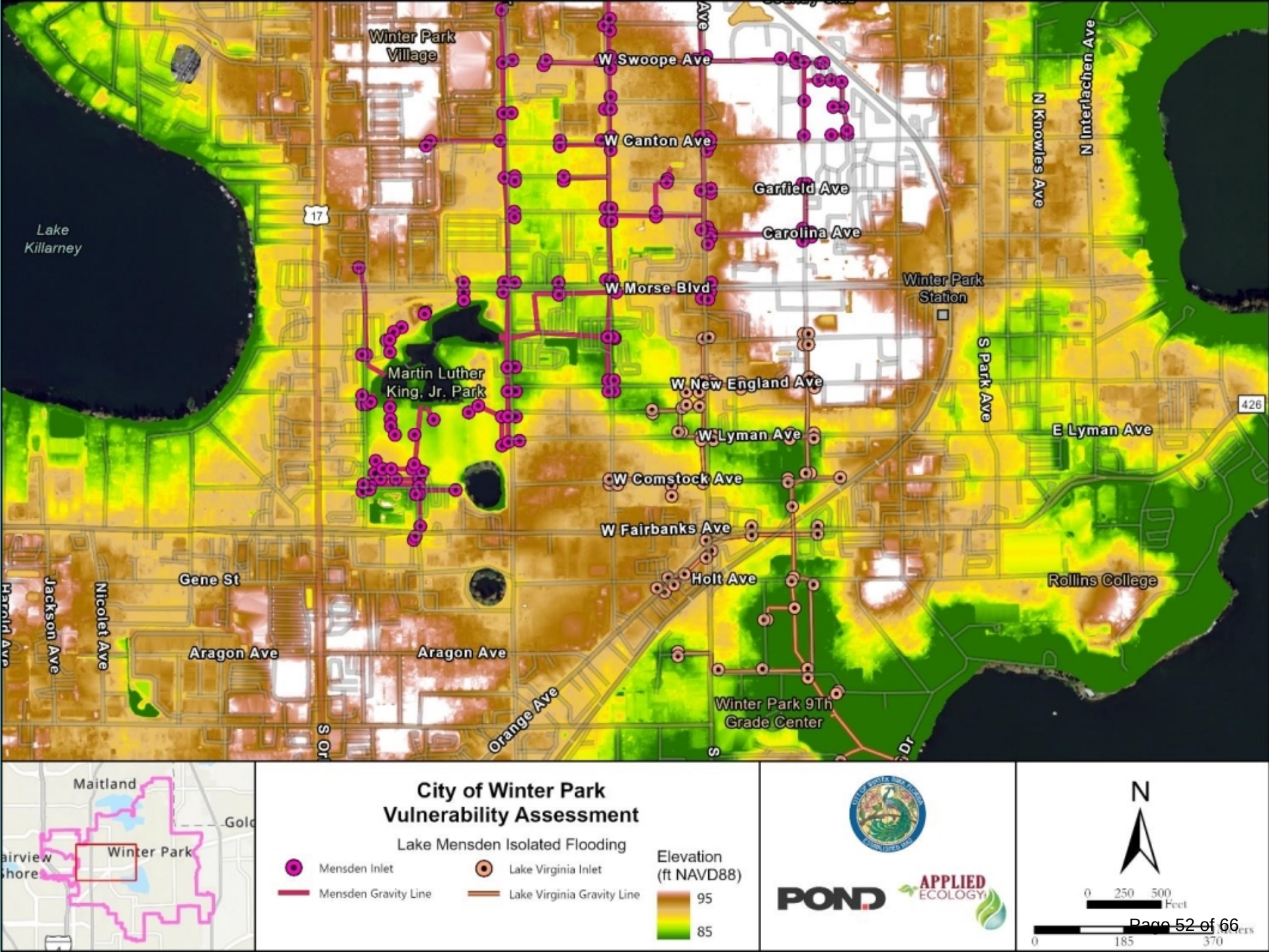
CRITICAL  
FACILITIES





LAKE MENSDEN  
FOCUS AREA

STORMWATER  
INFRASTRUCTURE





# THANK YOU!



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321-499-3336 Ext. 12







## Lakes & Waterways Board

# agenda item 7.a

**item type**

Staff Updates

**meeting date**

August 13, 2024

**prepared by**

Victoria Tabor, Administrative Coordinator II

**approved by**

Victoria Tabor, Administrative Coordinator II

**subject**

Winter Park Police Department

**motion | recommendation****background****alternatives | other considerations****fiscal impact****attachments**

None





## Lakes & Waterways Board

# agenda item 7.b

**item type**

Staff Updates

**meeting date**

August 13, 2024

**prepared by**

Victoria Tabor, Administrative Coordinator II

**approved by**

Victoria Tabor, Administrative Coordinator II

**subject**

Lakes Management

**motion | recommendation****background****alternatives | other considerations****fiscal impact****attachments**

1. Lakes Update 2024.08





# Lakes and Waterways Advisory Board

August 2024



# Lakes Updates

- FWC Fish Slam July 10<sup>th</sup> and 11<sup>th</sup> (Asian Swamp Eel)
- NRCS Updates
- Shoreline Violations Updates
- Past & Upcoming Events:
  - Spark Day Aug 24<sup>th</sup> Howell Branch Preserve
  - Fix It! Don't Pitch It Sep 7<sup>th</sup>
  - Wood Duck Workshop Sept 14<sup>th</sup>
  - Paddleboard Clean Up Sept 14<sup>th</sup>
  - Sustainability Fair & EV Car Show Sep 21<sup>st</sup>
  - Get Hooked! Oct 5<sup>th</sup>
  - Lake Temple and Tuscany Restoration Oct 19<sup>th</sup>



# Shoreline Violations





# Dock Violations







## Lakes & Waterways Board

# agenda item 7.c

**item type**

Staff Updates

**meeting date**

August 13, 2024

**prepared by**

Victoria Tabor, Administrative Coordinator II

**approved by**

Victoria Tabor, Administrative Coordinator II

**subject**

Past & Upcoming Events

- Community Resources Event - 8/8 2:30p @ Killarney Elementary School
- Howell Branch Clean-up - 8/24 9a @ 2917 Temple Trail
- Fix it! Don't Pitch It - 9/7 9a @ Winter Park Events Center
- Orange County Lake Killarney Advisory Board Meeting - 9/12 5p @ Public Safety Building (500 N Virginia Ave)
- Paddleboard Clean-up - 9/14 9a @ Kraft Azalea to Dog Island
- Wood Duck Box Workshop - 9/14 9a @ MLK Jr. Park
- Sustainability Fair & EV Car Show - 9/21 9a @ West Meadow
- Get Hooked! - 10/5 7a @ MLK Pond

**motion | recommendation****background****alternatives | other considerations****fiscal impact****attachments**

None





## Lakes & Waterways Board

# agenda item 7.d

**item type**

Staff Updates

**meeting date**

August 13, 2024

**prepared by**

Victoria Tabor, Administrative Coordinator II

**approved by**

Victoria Tabor, Administrative Coordinator II

**subject**

Stormwater Management

**motion | recommendation****background****alternatives | other considerations****fiscal impact****attachments**

1. SW Update - Lakes Board



# Staff Update

# Stormwater Management

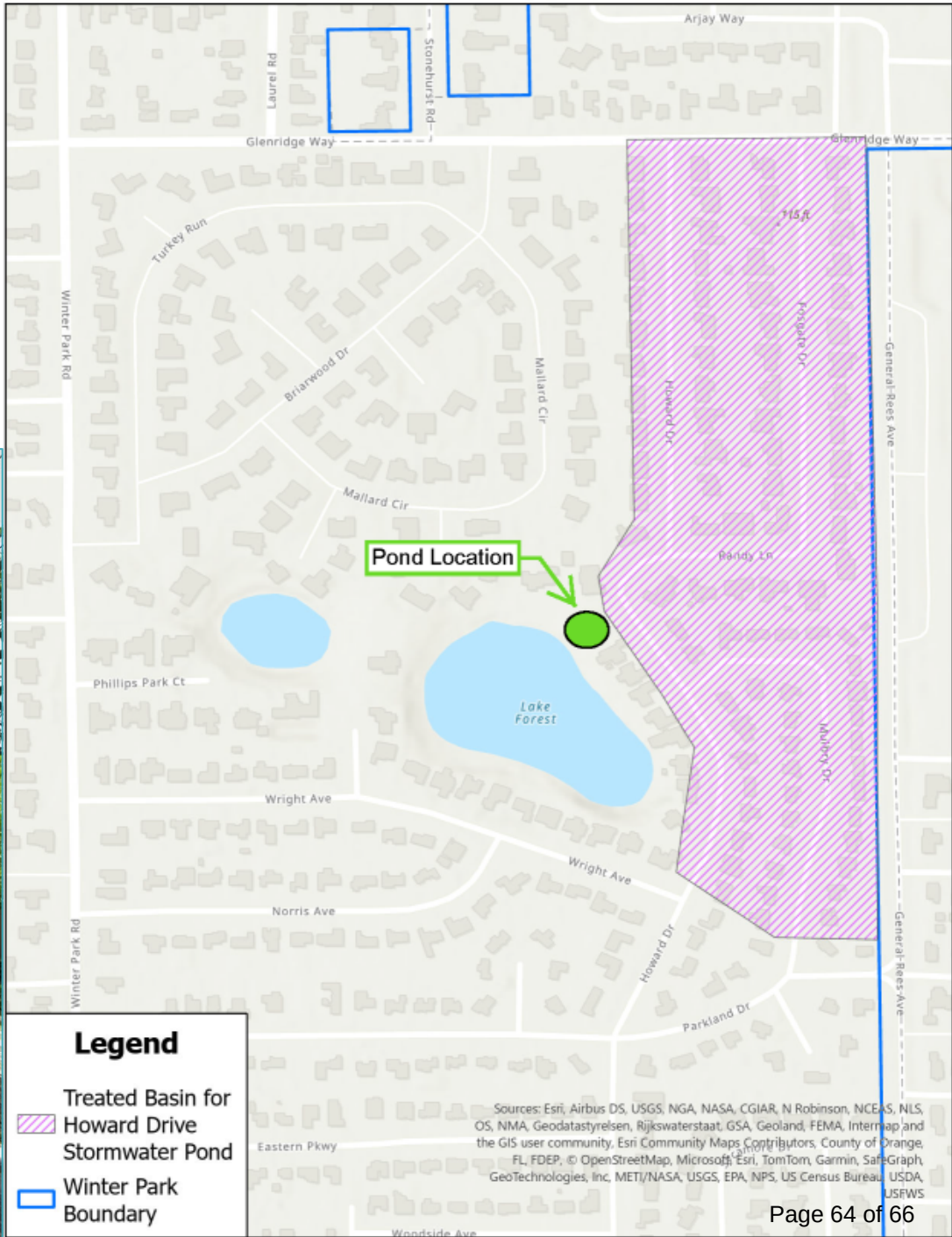


# Stormwater Management – CIP

| ACCT # | CIP Title & Description                                                                                                                                                                                                                     | Original Year Funded | Current Balance | Status/Comments                                                                                                                                                                                                                                                                                                                                                                       |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 565200 | <b>Drainage Improvements</b> - Recent years of unusually heavy rainfall events have revealed several substandard drainage conditions in various locations throughout the City.                                                              | Annually Funded      | \$44,453        | Several in-house drainage improvements projects for 2023-24 - <b>Completed</b> replacement of 70ft of 24 inch RCP crossing Joeline Court, and 120ft of 18 inch HDPE at the north end of Laurel Road. <b>Upcoming</b> - add another inlet and pipe at 1622 Arbor Park Drive, increase pipe size at 1642 Arbor Park Drive, storm pipe replacement/relocate at 2601 & 2631 Temple Drive. |
|        |                                                                                                                                                                                                                                             |                      |                 | 1) <u>Palmer at Old England outfall repair</u> - Stormwater outfall pipe replacement required. Design is 40% complete, survey is now complete. Phase 1 permit application with SJRWMD has been submitted. Waiting on reposnse from District.                                                                                                                                          |
|        |                                                                                                                                                                                                                                             |                      |                 | 2) <u>Stormwater Outfall Dredging</u> - The City recently entered a new contract, dredging on several stormwater outfalls started in Aug 2023, and will continue as needed.                                                                                                                                                                                                           |
|        |                                                                                                                                                                                                                                             |                      |                 | 3) <u>Ward Park ponds construction</u> - Estimated cost \$150k. NE and NW Pond excavation and sodding is complete. Piping installation started May 2024.                                                                                                                                                                                                                              |
|        |                                                                                                                                                                                                                                             |                      |                 | 4) <u>Pipe Repair at Summer Way</u> - Corrugated metal pipe replacement. COMPLETE.                                                                                                                                                                                                                                                                                                    |
|        |                                                                                                                                                                                                                                             |                      |                 | 5) <u>Killarney Dr Outfall &amp; Street Repairs Phase 1</u> - New outfall to replace two exisitng outfalls. Permit with SJRWMD to be submitted April 2024. Anticipated Construction August 2024.                                                                                                                                                                                      |
| 565203 | <b>Lk. Bell Weir Outfall Improvements</b> -                                                                                                                                                                                                 | 2009                 | \$69,223        | Repairs may be required on the Lake Bell outfall weir. Preliminary concept and geotechnical evaluation are complete. Final plans and permitting are underway.                                                                                                                                                                                                                         |
| 565221 | <b>Seminole County Ditch Piping (along Arbor Park Dr)</b> – Drainage ditch behind the homes along Arbor Park Drive has a shared drainage basin with Seminole County. Funding is provided for the design and construction to pipe the ditch. | 2016                 | \$733,295       | The Interlocal Agreement was approved by the City Commission and by the Seminole County Commission. 60% plans completed and submitted to Seminole County. Phase I permit application has been submitted to SJRWMD.                                                                                                                                                                    |
| 565205 | <b>Nicolet Ave Stormwater Pond</b> – complete the design and construction of a stormwater treatment pond on City purchased properties located at 796 & 808 Nicolet Avenue                                                                   | 2023                 | \$199,850       | Commission approved \$200,000 in the City's FY23 budget. General permit application and RAI has been submitted.                                                                                                                                                                                                                                                                       |
| 565217 | <b>Stirling Bridge Replacement</b>                                                                                                                                                                                                          | 2024                 | \$224,575       | Updates required for price estimate.                                                                                                                                                                                                                                                                                                                                                  |
| 565210 | <b>Fawsett Road CDS Unit</b>                                                                                                                                                                                                                | 2024                 | \$200,000       | Seeking permit exemption with SJRWMD.                                                                                                                                                                                                                                                                                                                                                 |
|        | <b>Curb Implementation</b>                                                                                                                                                                                                                  | 2024                 | \$50,000        |                                                                                                                                                                                                                                                                                                                                                                                       |
|        | <b>TOTALS</b>                                                                                                                                                                                                                               |                      |                 |                                                                                                                                                                                                                                                                                                                                                                                       |
|        | 3023406 ACTIVE STORMWATER CIP's                                                                                                                                                                                                             |                      | \$1,521,396.22  | <b>BALANCE TOTAL</b>                                                                                                                                                                                                                                                                                                                                                                  |



# Howard Drive Stormwater Pond





# Stormwater Management

- 5 Year Capital Improvement Projects





## Lakes & Waterways Board

# agenda item 9.a

**item type**

Upcoming Agenda Items

**meeting date**

August 13, 2024

**prepared by**

Victoria Tabor, Administrative Coordinator II

**approved by**

Victoria Tabor, Administrative Coordinator II

**subject**

Discussion of Upcoming Agenda Items

**motion | recommendation****background****alternatives | other considerations****fiscal impact****attachments**

None