



City Commission Work Session

Agenda

January 12, 2023 @ 1:00 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/bpm and include virtual meeting instructions.

assistance & appeals

Persons with disabilities needing assistance to participate in any of these proceedings should contact the City Clerk's Office ([407-599-3277](tel:407-599-3277)) at least 48 hours in advance of the meeting.

"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. Discussion Item(s)
 - a. Stormwater and Flood Management Presentation 30 minutes
 3. Adjournment



City Commission **agenda item**

item type Discussion Item(s)	meeting date January 12, 2023
prepared by Melissa Meade	approved by Michelle del Valle, Randy Knight
board approval Completed	
strategic objective	

subject

Stormwater and Flood Management Presentation

motion / recommendation

background

A presentation on stormwater and flood management, as it relates to the effects of Hurricane Ian, will be provided during this work session. The presentation will include an assessment of issues, actions taken and future considerations.

alternatives / other considerations

fiscal impact

ATTACHMENTS:

[FINAL Commission Work Session Presentation - 1.12.22.pptx](#)

Stormwater & Flood Management - Commission Work Session

Prepared by:

**Stormwater Management Division
Public Works and Transportation**

Natural Resources and Sustainability

January 12, 2023





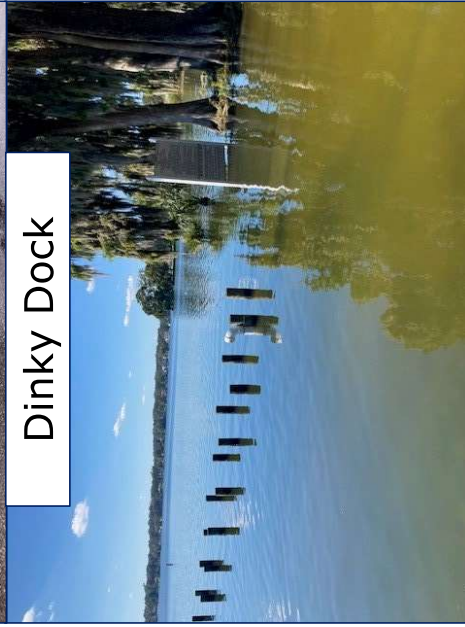
Chain of Lakes - Lakes Sue, Virginia, Mizell, Osceola, Maitland



Lake Virginia



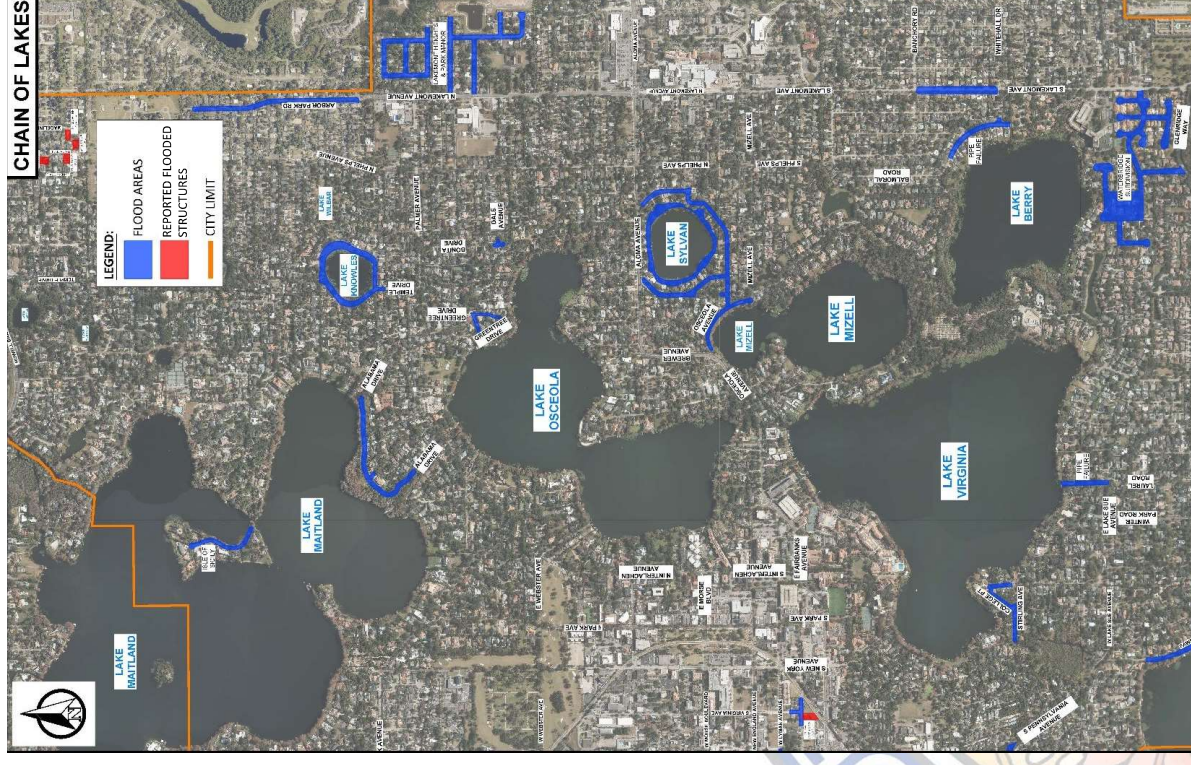
Lake Virginia



Dinky Dock

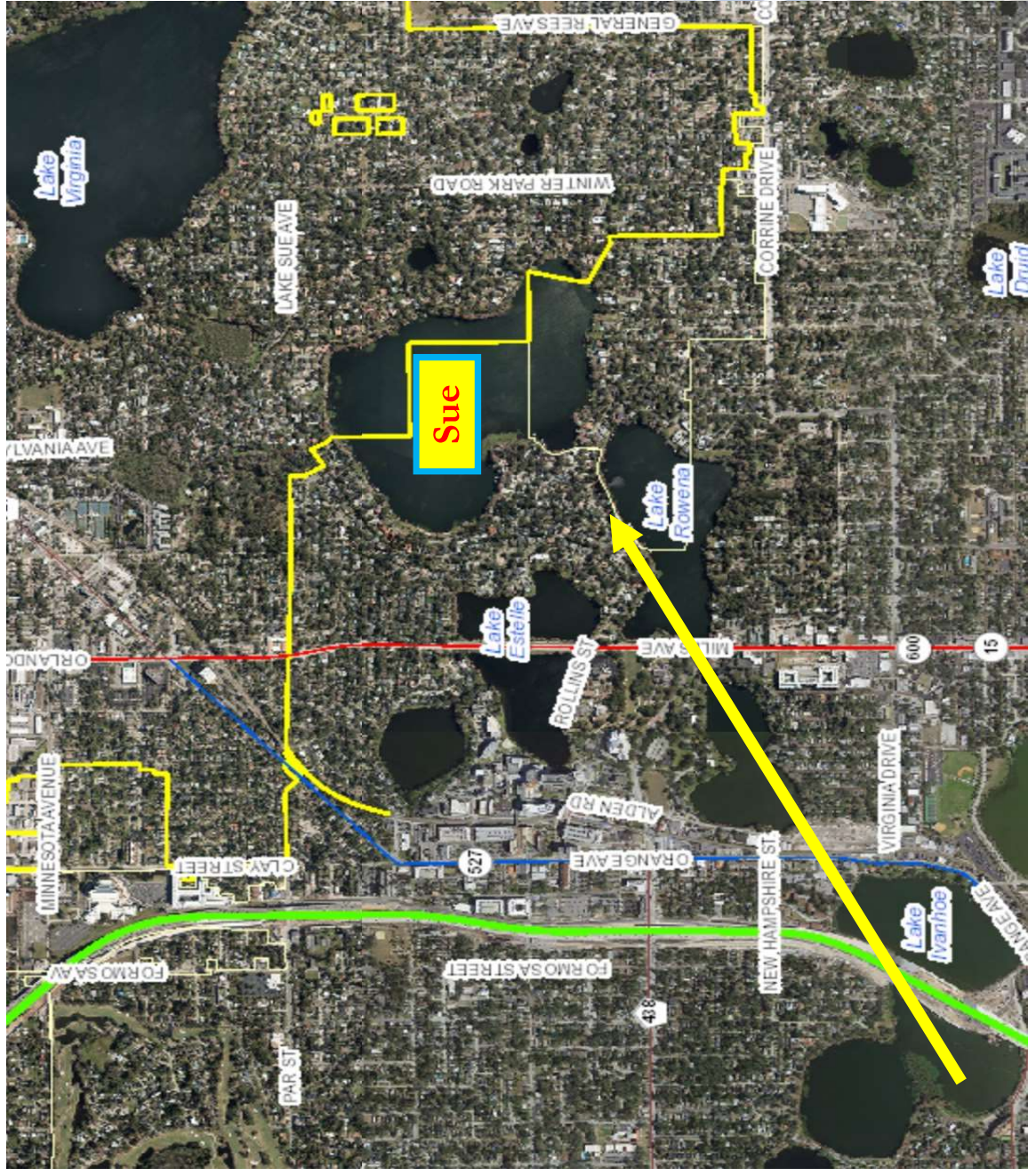


Isle of Sicily

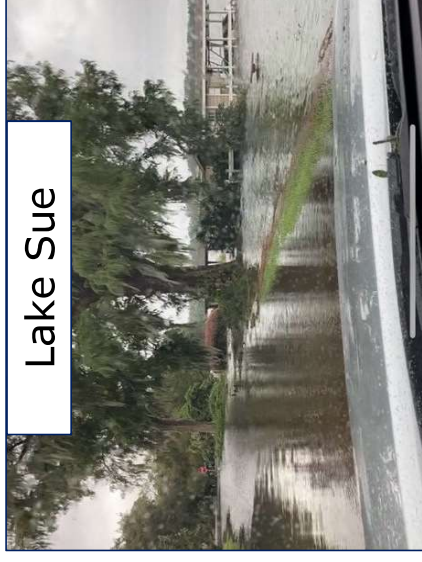


Chain of Lakes – Receiving Waters

- Loch Haven
Chain of Lakes



Chain of Lakes - Lake Sue



Chain of Lakes - Lake Interconnects for Consideration

Lake Sylvan to Lake Mizell



Lake Knowles to Lake Maitland

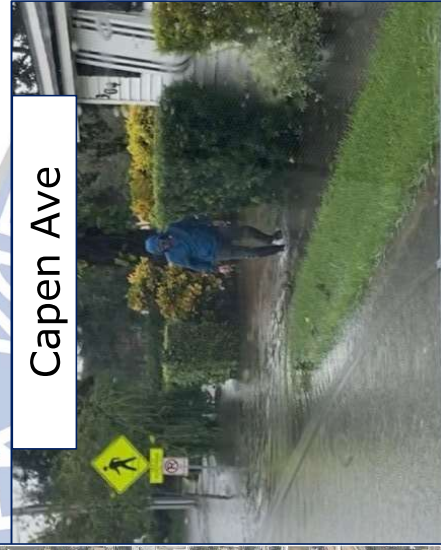
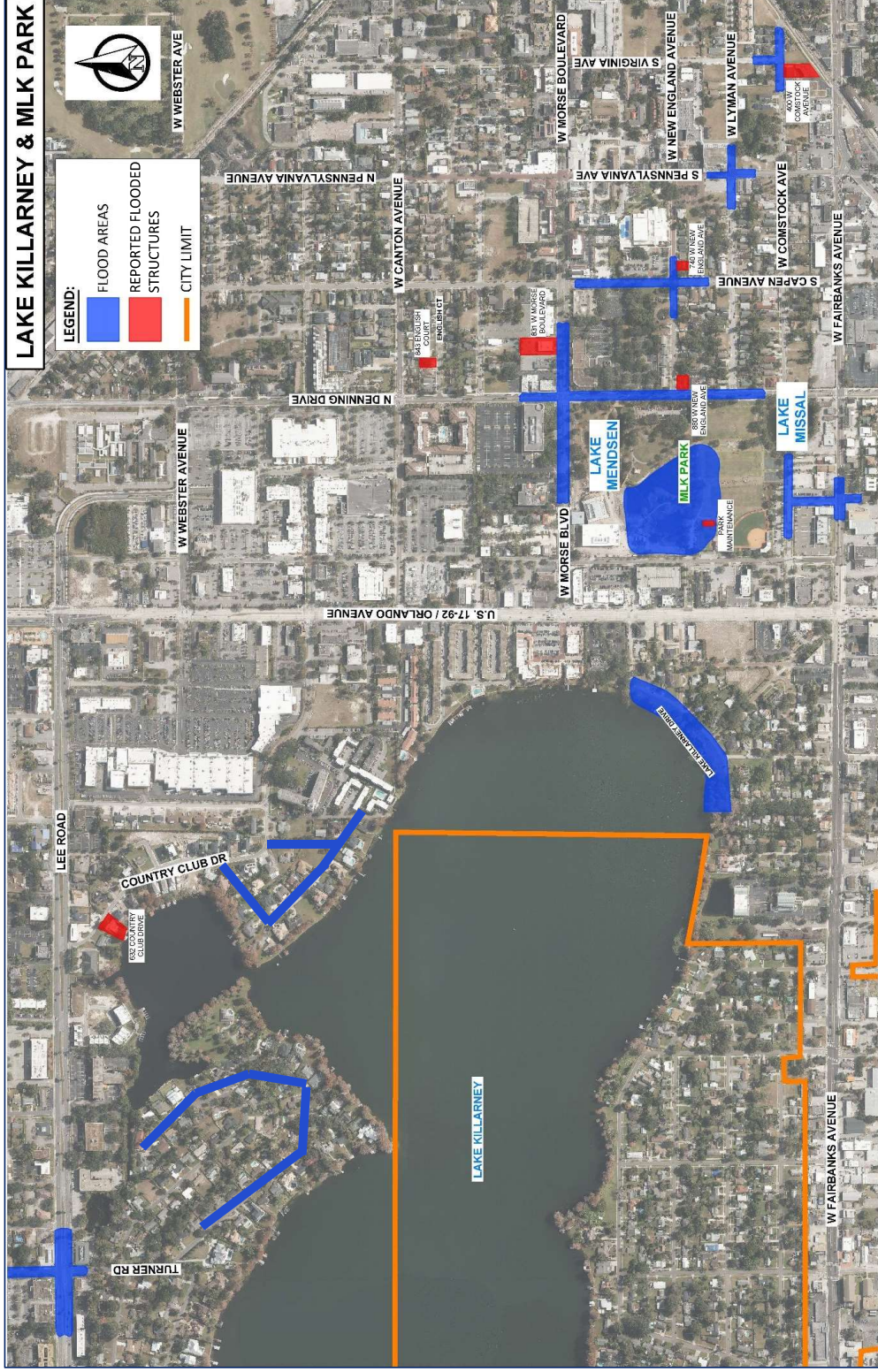


Chain of Lakes - Future Drainage Improvements

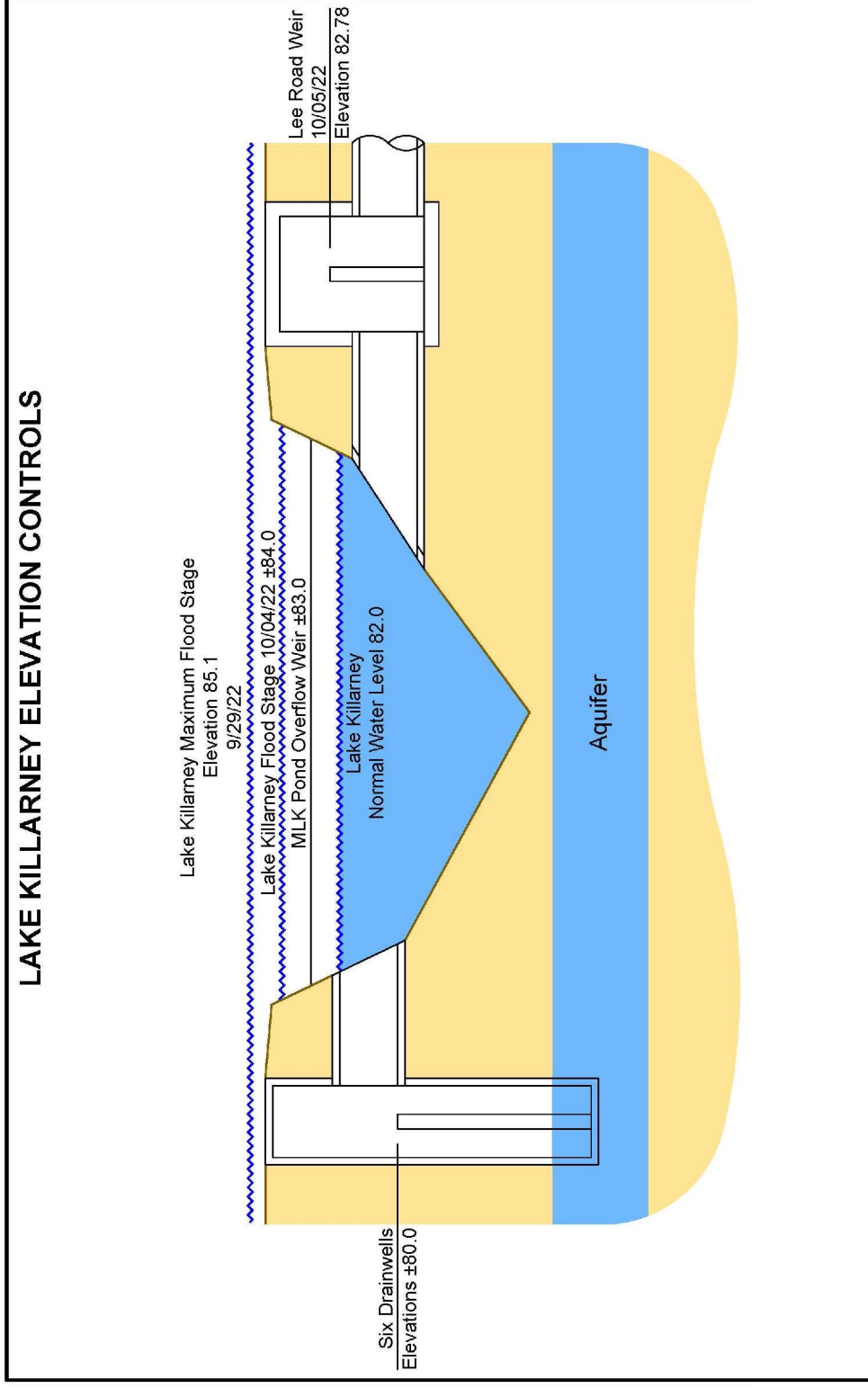
- College Pt Drainage Improvement Phase II
- Temple Dr Drainage Improvements
- Canton Ave Drainage Improvements



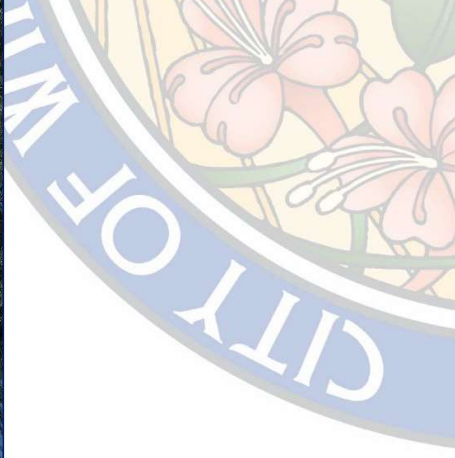
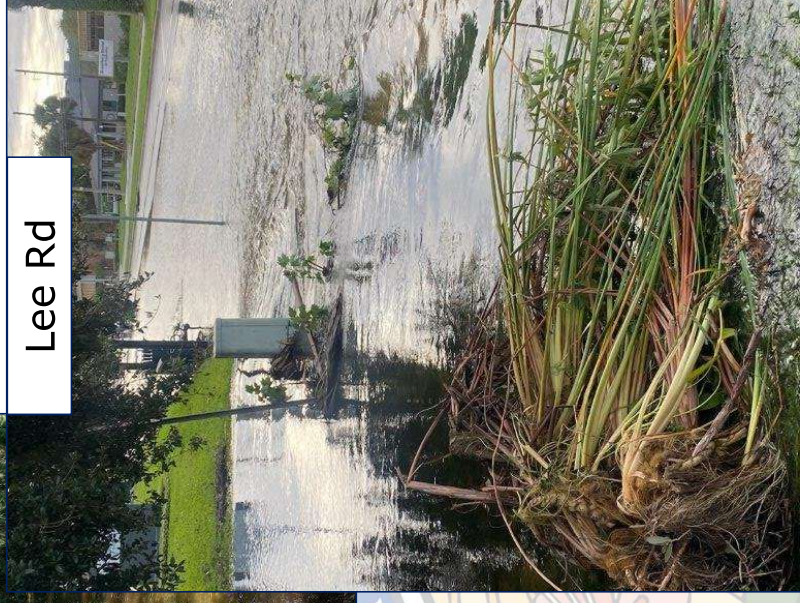
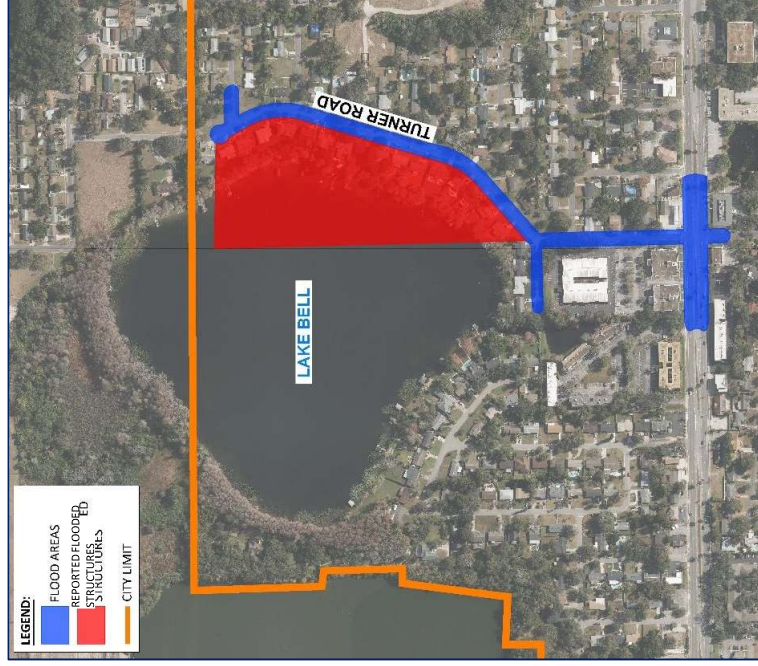
Lake Killarney & MLK Pond



Lake Killarney & MLK Pond



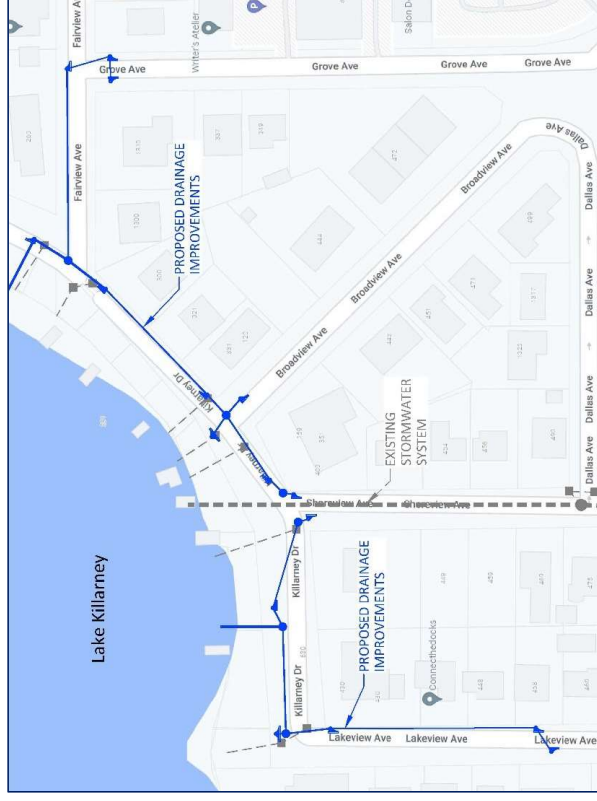
Lake Bell



Lake Killarney, MLK Pond & Lake Bell

Future Mitigation

- Increasing stormwater storage volume within MLK Pond basin
 - Three alternatives
- Killarney Dr Outfall Consolidation
- Possible Lake Interconnect for Consideration: Lake Bell to Lake Gem



Lake Killarney

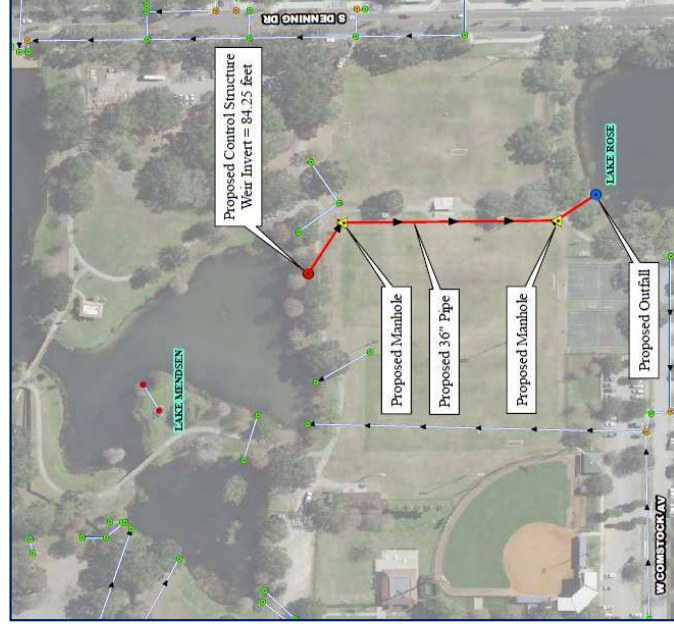
Lake Killarney & MLK Pond

Future Mitigation

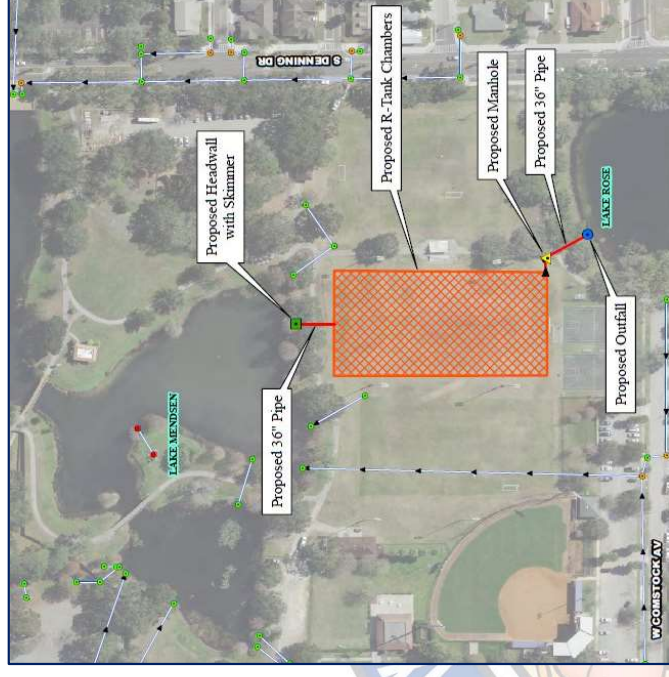
Increased Stormwater Storage Volume within MLK Pond Basin



Alternative 1 – Exfiltration Basin
 Decrease in peak stage (100 yr): 0.26 ft
 Estimated cost: \$6,516,021



Alternative 2 – New Interconnect
 Decrease in peak stage (100 yr): 0.05 ft
 Estimated cost: \$172,378

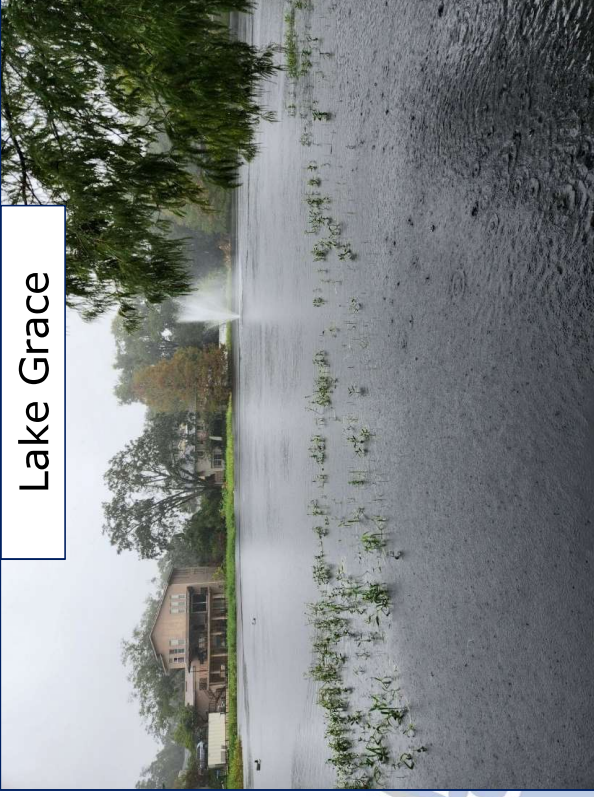


Alternative 3 – Combination of 1&2
 Decrease in peak stage (100 yr): 0.2 ft
 Estimated cost: \$2,065,776

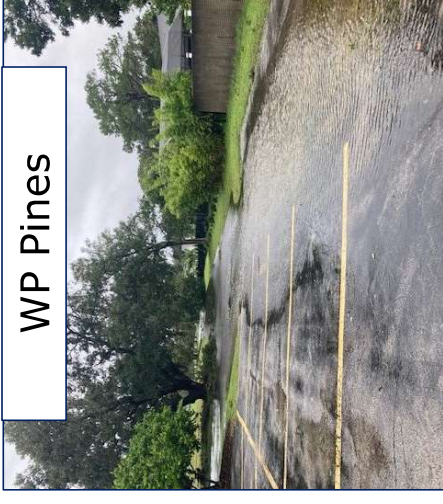
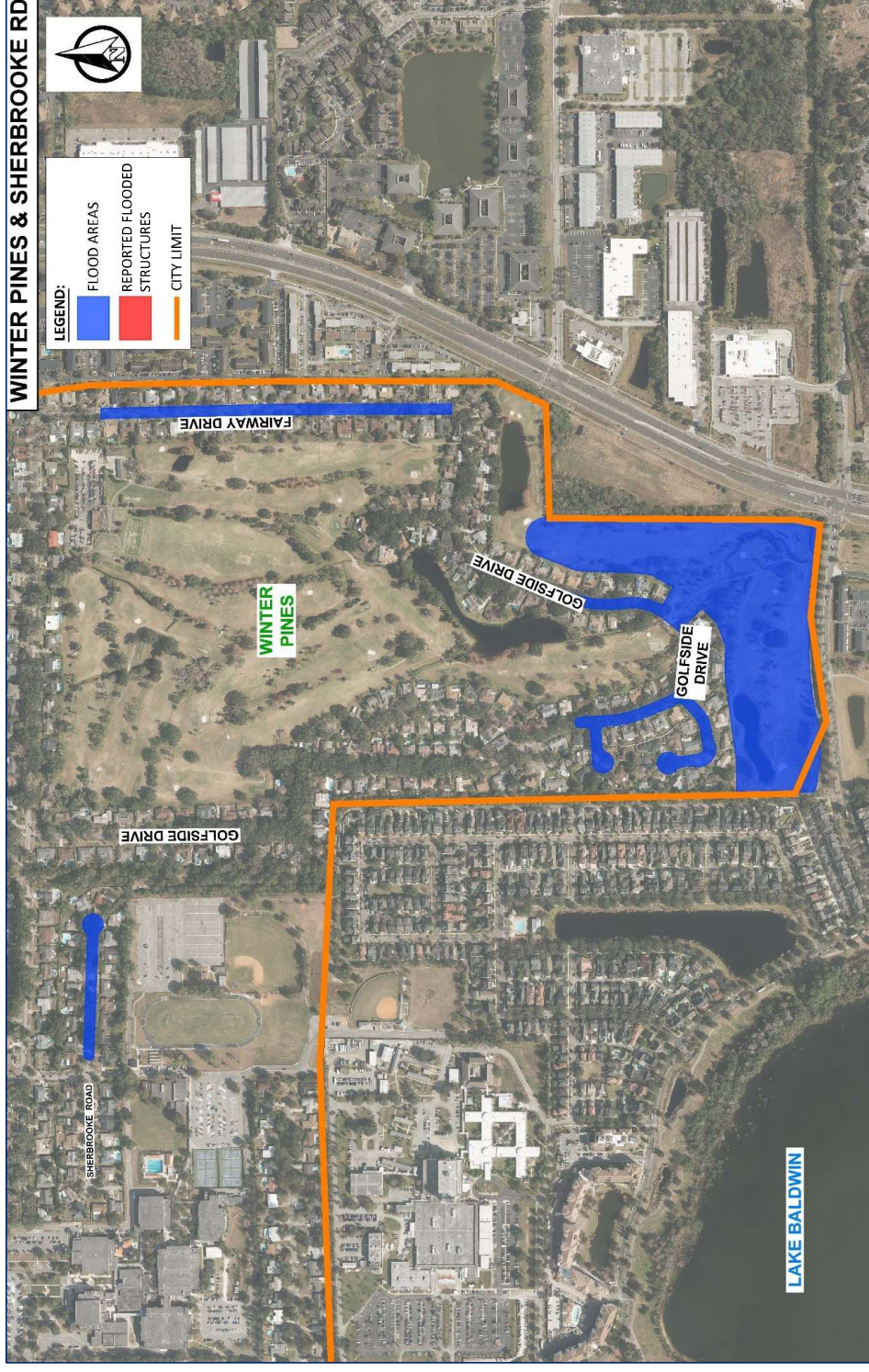
Lakes Grace & Forest -

Monitoring & Mitigation

- Pump Purchase and Action Plan
- Lake Interconnection Consideration



Contributors to Little Econ Basin - Winter Park Pines



WP Pines

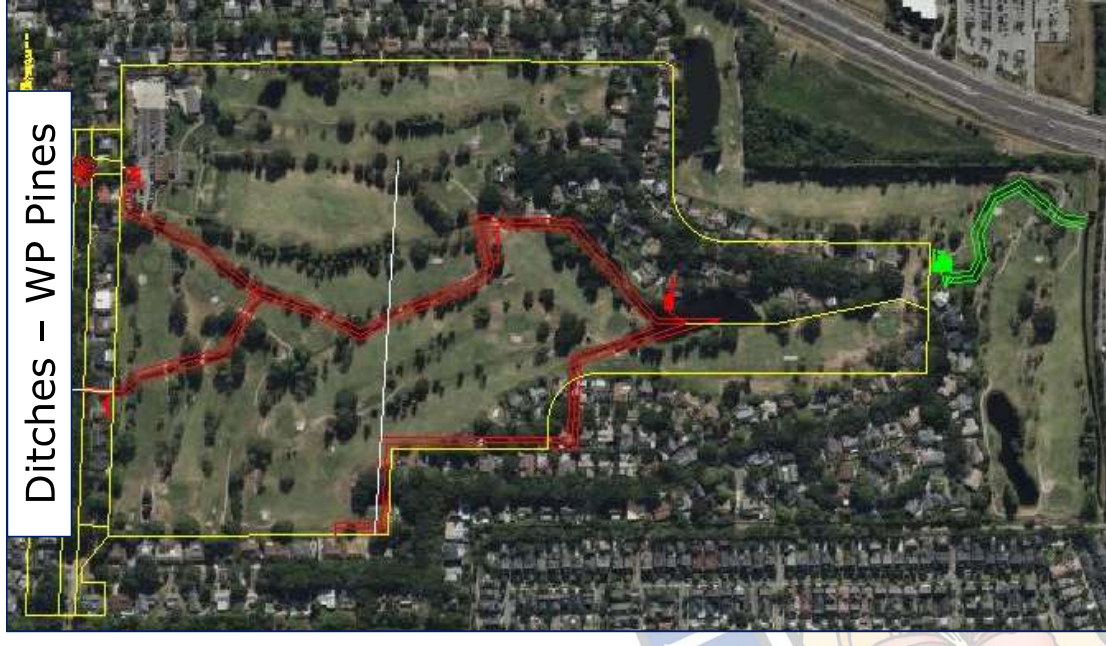


WP Pines

Little Econ Basin

Future Mitigation

- Dredging of waterways throughout Winter Pines Golf Course
- Arbor Park Phases II & III
- Tanglewood ditch piping project



Future Flood Mitigation Considerations

- Updating Hurricane Preparedness Plan
- Survey Lowest FFE for Lakefront Properties
- Installing *Smart* Lake Level Gauges
- Additional City-wide Weather Stations
- Lake Level Alterations Policy
- Future CIP Considerations for Lake Interconnects
- Climate & Resiliency Grant



Community Rating System (CRS)

- “What-if” Report for City of Winter Park
- Community Assistance Visit (CAV) Report requirement
- Report on action taken to date
- Next Steps

Community Information System

Release 5.11.00.00, 10/07/2022 -- Build 0009, Skip Navigation Logged in as: lindavause [Session expires in 16 mins]

CRS What-If

Application

CRS Coord.

2ndPOC

Activity Points

Chronology

Comments

What If

GTA

Community: County: WINTER PARK, CITY OF ORANGE COUNTY State: FLORIDA CID: 120188

Current CRS Class = 10 [Printable Version]

CRS Class	PIF	PREMIUM	AVERAGE PREMIUM	TOTAL	SFHA	X-STD/AR/A99	PRP
09	Per Policy		\$24	\$24	\$32	\$26	\$0
	Per Community		\$10,599	\$10,599	\$1,776	\$8,823	\$0
08	Per Policy		\$27	\$27	\$63	\$26	\$0
	Per Community		\$12,375	\$12,375	\$3,552	\$8,823	\$0
07	Per Policy		\$31	\$31	\$95	\$26	\$0
	Per Community		\$14,151	\$14,151	\$5,328	\$8,823	\$0
06	Per Policy		\$55	\$55	\$127	\$53	\$0
	Per Community		\$24,749	\$24,749	\$7,104	\$17,645	\$0
05	Per Policy		\$59	\$59	\$159	\$53	\$0
	Per Community		\$26,525	\$26,525	\$8,880	\$17,645	\$0
04	Per Policy		\$63	\$63	\$190	\$53	\$0
	Per Community		\$28,301	\$28,301	\$10,655	\$17,645	\$0
03	Per Policy		\$67	\$67	\$222	\$53	\$0
	Per Community		\$30,077	\$30,077	\$12,431	\$17,645	\$0
02	Per Policy		\$71	\$71	\$254	\$53	\$0
	Per Community		\$31,853	\$31,853	\$14,207	\$17,645	\$0
01	Per Policy		\$75	\$75	\$285	\$53	\$0
	Per Community		\$33,629	\$33,629	\$15,983	\$17,645	\$0

SHFA (Zones A, AE, A1-A30, V, V1-V30, AO, and AH): Discount varies depending on class.

SFHA (Zones A99, AR, A/R/A, A/R/AE, A/R/A1-A30, A/R/AH, and A/R/AO): 10% discount for Classes 1-6; 5% discount for Classes 7-9.

Preferred Risk policies are not eligible for CRS Premium Discounts.

Questions/Comments?

