



# Lakes & Waterways Board Regular Meeting

## Agenda

**March 12, 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

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. Consent Agenda**
    - a. Approve the minutes of February 13, 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.)**
  - 5. Action Items**
  - 6. Non-Action Items**
  - 7. Staff Updates**
    - a. Winter Park Police Department 10 Minutes
    - b. Lakes Management 10 Minutes
    - c. Stormwater Management 10 Minutes
  - 8. Board Comments**
    - a. Discussion of Public Comments Received 5 Minutes
  - 9. Upcoming Agenda Items**
    - a. Discussion of Upcoming Agenda Items 5 Minutes
  - 10. Adjournment**



## Lakes & Waterways Board

# agenda item

**item type**

Consent Agenda

**meeting date**

March 12, 2024

**prepared by**

Rene Cranis, City Clerk

**approved by****subject**

Approve the minutes of February 13, 2024

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

1. Minutes 02-13-24 DRAFT



# Lakes & Waterways Board Regular Meeting Minutes

**February 13, 2024 at 12:00 PM**

City Hall Commission Chambers  
401 S. Park Avenue

## **Present**

William H. Swartz Sr., Ed Webman, Justin J. Vermuth, Warren Bloom, George T. Vietor.  
David March arrived at 12:11 p.m.

## **Absent**

Pamela L. Saffran

## **Staff Present**

Director of Natural Resources & Sustainability Gloria Eby, Assistant Director of Public Works Don Marcotte, Public Works Engineer Shannon Monahan, Lakes Division Manager Joseph Cordel, Natural Resources & Sustainability Administrative Coordinator Victoria Tabor.

## **1. Call to Order**

The meeting was called to order at 12:00

## **2. Consent Agenda**

- a. Approve the minutes of the regular meeting, December 12, 2023
- b. Approve the minutes of the regular meeting, January 9, 2024

**Motion made by Mr. Swartz to approve the minutes of December 12, 2023, seconded by Mr. Vietor. Motion unanimously with a 5-0 vote. Mr. March arrived after the vote.**

**Motion made by Mr. Vermuth to approve the minutes of January 9, 2024, seconded by Mr. Vietor. Motion unanimously with a 5-0 vote. Mr. March arrived after the vote.**

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

## **4. Public Hearings**

- a. Boathouse/Dock Application (BLDR-2024-0018) 1214 N Park Ave.

Mr. Cordell presented this request for a new boat dock which meets city code. Staff recommends approval with a condition of revegetation. He showed photos of the area and plans. He provided additional details on the purpose of the condition for revegetation.

**Motion made by Mr. Vermuth to approve the application; seconded by Mr. Webman. Motion unanimously with a 5-0 vote.**

**5. Action Items**

**6. Non-Action Items**

**7. Staff Updates**

- a. Winter Park Police Department – No report
- b. Lakes Management

Mrs. Eby gave an update on the National Resource Conservation Service (NRCS) projects showing images of outfall projects in several lakes and Ninth Grade pond, Lake Bell Weir and Howell Creek stabilization. Projects funded through stormwater include sediment removal in Lake Killarney. In addition, she provided that a maintenance and beautification project in the canal of Lake Killarney was currently underway and was funded by a Keep America Beautiful grant. The city is preparing for permitting needs and designs for the Howell Creek stabilization project. A community meeting will be held near the end of March presenting this information.

Mr. March arrived at 12:11 p.m.

Mr. Cordell gave an update on existing conditions, treatment and water quality on smaller lakes noting the spike in Trophic State Index (TSI) and phosphorous due to the hurricanes in 2022. Staff responded to questions about connections and flow between, and to and from other bodies of water. He reported on active enforcement of vegetation removal without a permit, construction of seawalls in violation of permit, unmaintained and unsafe docks, disabled vessel on Lake Killarney (now removed) and staff reported on the impact of violations on lakes. Telemetry stations for lake elevations were installed in Lake Berry and Lake Spier.

Staff created a Plant of the Month program and showed images of the first plant, Canna Flaccida.

**c. Stormwater Management**

Ms. Monahan gave an update on capital improvement projects including repairs on Balmoral Road which are close to completion. She showed and explained a map of the city's stormwater basin.

Mrs. Eby advised that the Lake Killarney Board requested that the city establish a separate line item in the budget dedicated to Lake Killarney for dredging. While the commission supported the request, the commission voted to consider a line item for all lakes, not specifically for Lake Killarney, in upcoming budget discussions.

Ms. Monahan gave a presentation on the National Pollutant Discharge Elimination System (NPDES), explaining city stormwater treatment, discharge, goals and requirements, pollutant sources. Annual reports must be filed with the state on city

programs (sanitary sewer lining, construction site practices, street sweeping, public education and events) and metrics to prevent pollutant discharge.

## **8. Board Comments**

### a. Discussion of Public Comments Received

- Household Hazardous Waste Disposal Event, March 9th at Cady Way Park from 8:30 - noon.
- Three events are scheduled for April.
- Tree planting at Howell Branch Preserve was held last weekend.

## **9. Upcoming Agenda Items**

### a. Discussion of Upcoming Agenda Items

## **10. Adjournment**

**Motion made by Mr. Vermuth to adjourn, seconded by Mr. Swartz. Motion unanimously with a 6-0 vote.**

Approved by the board on \_\_\_\_\_  
/s/ Rene Cranis, City Clerk



## Lakes & Waterways Board

# agenda item

**item type**

Staff Updates

**meeting date**

March 12, 2024

**prepared by**

Victoria Tabor, Administrative Coordinator II

**approved by**

Victoria Tabor, Administrative Coordinator II

**subject**

Winter Park Police Department

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

None



## Lakes & Waterways Board

# agenda item

**item type**

Staff Updates

**meeting date**

March 12, 2024

**prepared by**

Victoria Tabor, Administrative Coordinator II

**approved by**

Victoria Tabor, Administrative Coordinator II

**subject**

Lakes Management

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

1. Lakes Update 2024.03



# Lakes and Waterways Advisory Board

March 2024

# Lakes Updates

- Natural Resource Conservation Services (NRCS) – Update
  - Howell Creek Restoration Community Meeting – March 28<sup>th</sup>
- Treatments
- Telemetry Stations: 16 installed
- Aquatic Plant of the Month
- Duck Box Installation

Follow up: Quarterly Water Quality Update

**community**  
**MEETING NOTICE**



**HOWELL CREEK  
STABILIZATION**

2024

THURSDAY **03.28.24** | **5-7 p.m.**

Mead Botanical Garden | Azalea Lodge  
1300 S. Denning Dr. | Winter Park, FL 32789

Please join us for a presentation highlighting the efforts to stabilize and restore Howell Creek. Staff will be available to answer questions.

access more information | [cityofwinterpark.org/howell-creek](https://cityofwinterpark.org/howell-creek)

# Duck Boxes



# PLANT OF THE MONTH

## Water Hyacinth (*Eichhornia crassipes*) **INVASIVE**



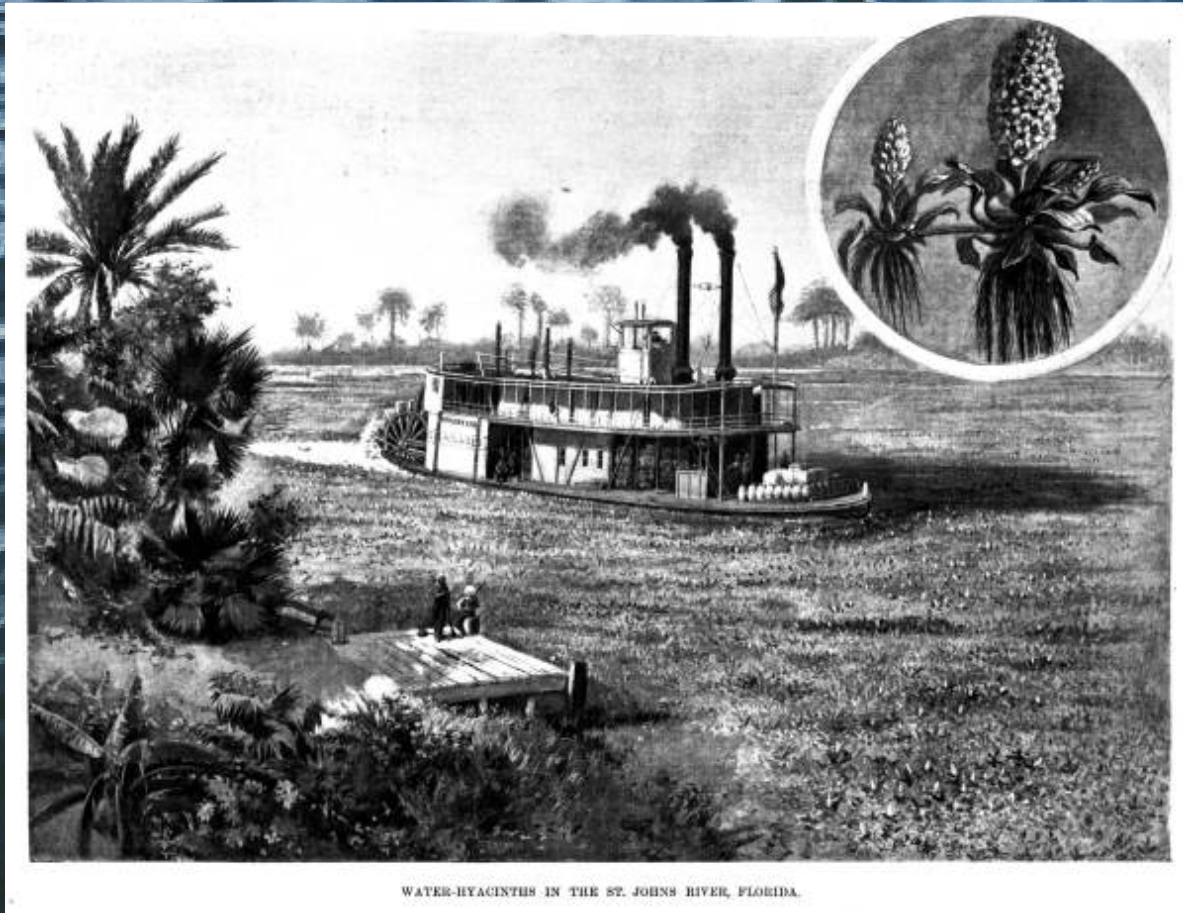
## PLANT OF THE MONTH

### Water Hyacinth (*Eichhornia crassipes*) **INVASIVE**

Water Hyacinth is an invasive floating plant that was introduced from South America. Showy purple flowers have a yellow and blue spot. Plant fibers are spongy, and bulbs on the stems help it float. Long dark roots are submerged. The plant spreads mostly by creating stolons that grow into new plants. Mats grow exponentially, doubling every 6-10 days. Two water hyacinth weevils and a stem boring moth have been released as biological controls for water hyacinth.

# PLANT OF THE MONTH

## Water Hyacinth (*Eichhornia crassipes*) **INVASIVE**



WATER-HYACINTHS IN THE ST. JOHNS RIVER, FLORIDA.



# PLANT OF THE MONTH

## Water Hyacinth (*Eichhornia crassipes*) **INVASIVE**

Water Hyacinth was introduced to the United States in 1884 as an ornamental plant at the Cotton States Exposition in New Orleans. It was brought back to Florida and planted in ponds. By the late 1890s Water Hyacinth had made its way to the St John's River and much of the river was unpassable. The Army Corp of Engineers began removal of Water Hyacinth in 1899. It wasn't until the development of the herbicide 2,4-D in the 1940s that the Corp started to get control over Water Hyacinth.



## Lakes & Waterways Board

# agenda item

**item type**

Staff Updates

**meeting date**

March 12, 2024

**prepared by**

Victoria Tabor, Administrative Coordinator II

**approved by**

Victoria Tabor, Administrative Coordinator II

**subject**

Stormwater Management

**motion | recommendation****background****strategic objectives****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      | \$129,200       | 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 30% complete, survey is now complete.                                                                                                                                                                                                                                        |
|        |                                                                                                                                                                                                                                             |                      |                 | 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. The piping to be installed early 2024.                                                                                                                                                                                                                             |
|        |                                                                                                                                                                                                                                             |                      |                 | 4) <u>Pipe Repair at Summer Way</u> - Corrugated metal pipe replacement. 35' has been replaced, another 162' is in progress. Estimated completion late April 2024.                                                                                                                                                                                                                    |
| 565203 | <b>Lk. Bell Weir Outfall Improvements</b> -                                                                                                                                                                                                 | 2009                 | \$69,223        | Repairs may be required on the Lake Bell outfall weir. Met with consultant on 6/30/23, kick-off meeting with consultant 10/24/23, preliminary improvent plan to be developed Feb 2024.                                                                                                                                                                                                |
| 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                 | \$733,395       | The Interlocal Agreement was approved by the City Commission and by the Seminole County Commission. 60% plans completed and submitted to Seminole County. Process to permit with SJRWMD currently underway.                                                                                                                                                                           |
| 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                 | \$200,000       | Commission approved \$200,000 in the City's FY'23 budget. Application for general permit in progress.                                                                                                                                                                                                                                                                                 |
| 565217 | <b>Stirling Bridge Replacement</b>                                                                                                                                                                                                          | 2024                 | \$250,000       | 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                                                                                                                                                                                                             |                      | \$1,631,818.00  | <b>BALANCE TOTAL</b>                                                                                                                                                                                                                                                                                                                                                                  |

# Stormwater Management

## Balmoral Rd Pipe Replacement



# Stormwater Management

## College Pt Curb



# Stormwater Management

## NPDES – Orange County Water Atlas

<https://orange.wateratlas.usf.edu/npdes-stormwater/#npdes-home>

An edition of [WaterAtlas.org](#) Presented By: [Orange County USF Water Institute](#)



Choose a Water Atlas

site search

HOME

DISCOVER

MAPS / DATA

LEARN

PARTICIPATE

NPDES Home

[Stormwater Management Program](#)

[MS4 Permit](#)

[Water Quality Monitoring](#)

[Construction](#)

[Industrial](#)

[Illicit Discharge](#)

[Public Education](#)

[Training](#)

[Co-Permittees](#)

[Annual Reports](#)

[Contact Us](#)



### NPDES Stormwater Program

(National Pollutant Discharge Elimination System)

Stormwater runoff is the water that drains from a land surface after a rain event. Because runoff after heavy rainfall can cause flood damage and contribute to water pollution, stormwater is carefully managed by local governments to minimize these negative impacts. The federal [Clean Water Act](#) regulates stormwater discharges through the [National Pollutant Discharge Elimination System \(NPDES\)](#). The NPDES program is designed to reduce pollutant sources that discharge to surface waters of the state. Surface waters of the state include lakes, rivers, tributaries, ponds, bays, springs, creeks, sloughs, estuaries, oceans, and other watercourses.

The NPDES stormwater program regulates stormwater discharges from three potential sources: municipal separate storm sewer systems (MS4s), construction activities, and industrial activities. A [Municipal Separate Storm Sewer System \(MS4\)](#) is a publicly-owned conveyance or system of conveyances that includes structures such as ditches, curb inlets, catch basins, underground pipes, and stormwater ponds. The MS4 captures and directs stormwater to surface waters of the state, and is separate from a conveyance system that collects and directs municipal sewage to treatment facilities.

More information on stormwater and stormwater management may be found on the [Orange County Stormwater Education](#) page and the [Orange County Environmental Protection Division](#) home page.



A storm drain inlet



Storm drain inlet with temporary protection to prevent soil from entering the stormwater system



## Lakes & Waterways Board

# agenda item

**item type**

Board Comments

**meeting date**

March 12, 2024

**prepared by**

Victoria Tabor, Administrative Coordinator II

**approved by**

Victoria Tabor, Administrative Coordinator II

**subject**

Discussion of Public Comments Received

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

None



# Lakes & Waterways Board

## agenda item

**item type**

Upcoming Agenda Items

**meeting date**

March 12, 2024

**prepared by**

Victoria Tabor, Administrative Coordinator II

**approved by**

Victoria Tabor, Administrative Coordinator II

**subject**

Discussion of Upcoming Agenda Items

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

None