

## WATER QUALITY IMPACT EVALUATION CHECKLIST

### PART 1: PROJECT INFORMATION

Project Name:	SR 72 PD&E Study
County:	Sarasota
FM Number:	444634-1-22-01
Federal Aid Project No:	Not Applicable.
Brief Project Description:	This study evaluates the benefits and impacts of the widening of the existing two-lane, undivided SR 72 (Clark Road) to a four-lane divided highway from east of I-75 to Lorraine Road.

### PART 2: DETERMINATION OF WQIE SCOPE

Does project discharge to surface or groundwater? ☒ **Yes** ☐ No

Does project alter the drainage system? ☒ **Yes** ☐ No

Is the project located within a permitted MS4? ☒ **Yes** ☐ No

If the answers to the questions above are no, complete the applicable sections of Part 3 and 4, and then check Box A in Part 5.

### PART 3: PROJECT BASIN AND RECEIVING WATER CHARACTERISTICS

#### Surface Water

Receiving water names: ***Phillippi Creek Tributary; Cow Pen Slough***

Water Management District: ***Southwest Florida Water Management District (SWFWMD)***

Environmental Look Around meeting date: 3 / 01 / 2023

*Attach meeting minutes/notes to the checklist.*

Water Control District Name(s) (list all that apply): ***N/A***

#### Groundwater

Sole Source Aquifer (SSA)? ☐ Yes ☒ **No** Name \_\_\_\_\_

If yes, complete Part 5, D and complete SSA Checklist from EPA website ([Figure 11-1](#))

Other Aquifer? ☐ Yes ☒ **No** Name \_\_\_\_\_

Springs vents? ☐ Yes ☒ **No** Name \_\_\_\_\_

Well head protection area? ☐ Yes ☒ **No** Name \_\_\_\_\_

Groundwater recharge? ☐ Yes ☒ **No** Name \_\_\_\_\_

Notify District Drainage Engineer if karst conditions are expected or if a higher level of treatment may be needed due to a project being located within a WBID verified as Impaired in accordance with Chapter 62-303, F.A.C.

Date of notification: \_\_\_\_/\_\_\_\_/\_\_\_\_ - No karst conditions identified.

#### **PART 4: WATER QUALITY CRITERIA**

List all WBIDs and all parameters for which a WBID has been verified impaired, or has a TMDL in **Table 1**. This information should be updated during each re-evaluation as required.

Note: If BMAP or RAP has been identified in **Table 1**, **Table 2** must also be completed. *Attach notes or minutes from all coordination meetings identified in Table 2.*

EST recommendations confirmed with agencies? ☐ Yes ☒ No

BMAP Stakeholders contacted? ☐ Yes ☒ No

TMDL program contacted? ☐ Yes ☒ No

RAP Stakeholders contacted? ☐ Yes ☒ No

Regional water quality projects identified in the ELA? ☐ Yes ☒ No

If yes, describe:

Potential direct effects associated with project construction and/or operation identified? ☐ Yes ☒ No

If yes, describe:

Discuss any other relevant information related to water quality including Regulatory Agency Water Quality Requirements.

## PART 5: WQIE DOCUMENTATION

- ☐ A. No involvement with water quality.
- ☐ B. No water quality regulatory requirements apply.
- ☒ C. Water quality regulatory requirements apply to this project (provide Evaluator's information below). Water quality and stormwater issues will be mitigated through compliance with the design requirements of authorized regulatory agencies.
- ☐ D. EPA Ground/Drinking Water Branch review required. ☐ Yes ☐ No  
Concurrence received? ☐ Yes ☐ No  
If Yes, Date of EPA Concurrence: \_\_\_\_/\_\_\_\_/\_\_\_\_ (Attach the concurrence letter)

The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being, or have been, carried out by the Florida Department of Transportation (FDOT) pursuant to 23 U.S.C. § 327 and a Memorandum of Understanding dated May 26, 2022, and executed by the Federal Highway Administration and FDOT.

Evaluator Name (print): Tori Bacheler

Title: Environmental Scientist

Signature:

*Tori Bacheler*

Date: 5/29/2024

**Table 1: Water Quality Criteria**

Receiving Waterbody Name (list all that apply)	FDEP Group Number / Name	WBID(s) Numbers	Classification (I,II,III,IIIL,IV,V)	Special Designations*	NNC limits**	Verified Impaired (Y/N)	TMDL (Y/N)	Pollutants of concern	BMAP, RA Plan or SSAC
Phillippi Creek Tributary	3/ Sarasota Bay – Peace – Myakka	1966	Class III	N/A	N/A	Yes	No	Escherichia Coli, Macrophytes, Chlorophyl and Total Nitrogen	N/A
Cow Pen Slough	3/ Sarasota Bay – Peace – Myakka	1924	Class III	N/A	N/A	Yes	No	Macrophytes	N/A

\* ONRW, OFW, Aquatic Preserve, Wild and Scenic River, Special Water, SWIM Area, Local Comp Plan, MS4 Area, Other

\*\* Lakes, Spring vents, Streams, Estuaries

Note: If BMAP or RAP has been identified in Table 1, Table 2 must also be completed.

**Table 2: Regulatory Agencies/Stakeholders Contacted**

<b>Receiving Water Name (list all that apply)</b>	<b>Agency's Contact and Title</b>	<b>Date Contacted</b>	<b>Follow-up Required (Y/N)</b>	<b>Comments</b>

## Environmental Look Around Meeting

**FINAL**

**SUBJECT:** Clark Road (SR 72) PD&E Study, from east of I-75 to Lorraine Road  
FPID No. 444634-1-22-01; Contract No. CAI05; ETDM 14441; Sarasota County

**MEETING DATE:** Wednesday 3/1/2023

**MEETING TIME:** 1:00 PM – 2:00 PM

**LOCATION:** Twin Lakes Park (UF/IFAS Green Room) 6700 Clark Road, Sarasota FL

- 1) Introductions (see attached sign-in sheet)
  - a) Kimley-Horn
  - b) FDOT
  - c) Twin Lake Park
  - d) IFAS
  - e) Sarasota County
  - f) FPL
- 2) Project Presentation (see attached)
  - a) An ELA is a process that explores alternative approaches to stormwater management.
  - b) Project Limits from east of I-75 to Lorraine Road, approximately 3 miles.
  - c) Scope of work includes widening from 2 to 4 lanes with a closed drainage system and ponds.
  - d) Existing posted speed is 45 / 55 MPH, but proposed target speed is 35 / 45 MPH.
  - e) Need is driven by increasing traffic volumes resulting from ongoing residential development.
- 3) Open Discussion
  - **IFAS**
    - IFAS has their own Master Plans, that includes an addition to the current building footprint.
    - Existing bio swale that treats the parking lot runoff prior to entering the existing lake and are used as educational demonstrations for the public.
    - IFAS puts a large emphasis on water quality and has more demonstration/educational gardens planned.
    - Would the trees that we remove for pond regrading will be replaced? That is possible, usually as a separate project than the roadway project.
    - IFAS emphasized that the existing pond is used for fishing, small (non-motorized) boats, and wading.
    - Flat and easily accessible slopes will be required for new pond regrading, possibly a boat ramp, although one does not one in the existing condition.
    - Due to all the park uses of the pond, above standard treatments would be appropriate.
    - Main access on from SR 72 (not at an intersection) is critical for their facility.
  - **Sarasota County**
    - The County anticipates future stormwater needs within the park area due to future projects and would not want to jeopardize those future projects.
    - There are no current issues maintaining park draining, no erosion or difficulties.
    - County maintains park drainage outfall across the street to the canal.
    - Sarasota County as a whole puts a large emphasis on water quality.

- The park acts as a natural disaster hub for the County, the National Guard is present to hand out sandbags and supplies during storms.
- Would the proposed shared use paths along SR 72 continue through the new I-75 interchange? *Right now they are shown ending at Queensbury, but we can look at a more western terminus if that makes sense.*
- **Twin Lakes Parks**
  - Future MURT (Multi-use Recreational Trail) trail and landscaping to go around the park and bring additional visitors.
  - There is an existing reclaimed water line that runs under SR 72 that is very important for the irrigation of the park.
  - Current park use includes about 2,500 regular participants in soccer, baseball, and football, 50 county employees, and 25,000 visitors per year.
  - A new Parks Administration Building is planned on Hummingbird Avenue, south of the fire station.
  - Who would maintain the pond once improved? That would be worked out during the future design phase.
- **FPL**
  - Proposed roadway improvements must allow for maintenance of poles.

#### 4) Site Walk

## Environmental Look Around Meeting

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**LOCATION:** Twin Lakes Park (UF/IFAS Green Room) 6700 Clark Road, Sarasota FL

Name	Initial	Organization	E-mail
Brent Setchell	online	FDOT	Brent.Setchell@dot.state.fl.us
Patrick Bateman	✓	FDOT	Patrick.Bateman@dot.state.fl.us
Sergio Figueroa	online	FDOT	Sergio.Figueroa2@dot.state.fl.us
Joey Sites		FDOT	Joseph.Sites@dot.state.fl.us
Cris Schooley	CS	Kimley-Horn	Cris.Schooley@kimley-horn.com
Katie Gleason	KG	Kimley-Horn	Katie.Gleason@kimley-horn.com
Victor Gallo	VG	Kimley-Horn	Victor.Gallo@kimley-horn.com
Kate O'Brien	KO	Kimley-Horn	Kathryn.Obrien@kimley-horn.com
Colleen McGue	CM	Kimley-Horn	Colleen.McGue@kimley-horn.com
Nicole Selly	online	KCA for FDOT	NSelly@kcaeng.com
Christopher Bryant	CB	FPL	Christopher.Bryant@nexteraenergy.com
Mike Sosadeeter	MS	Sarasota	msosadee@scgov.net
Michael Mylett		Sarasota	mmylett@scgov.net
Michael Storino		Sarasota	mstorino@scgov.net
Jason Brown	online	Sarasota	jkbrown@scgov.net
Kimberly Heuberger	KH	Sarasota	kheuberg@scgov.net





# SR 72 Clark Road

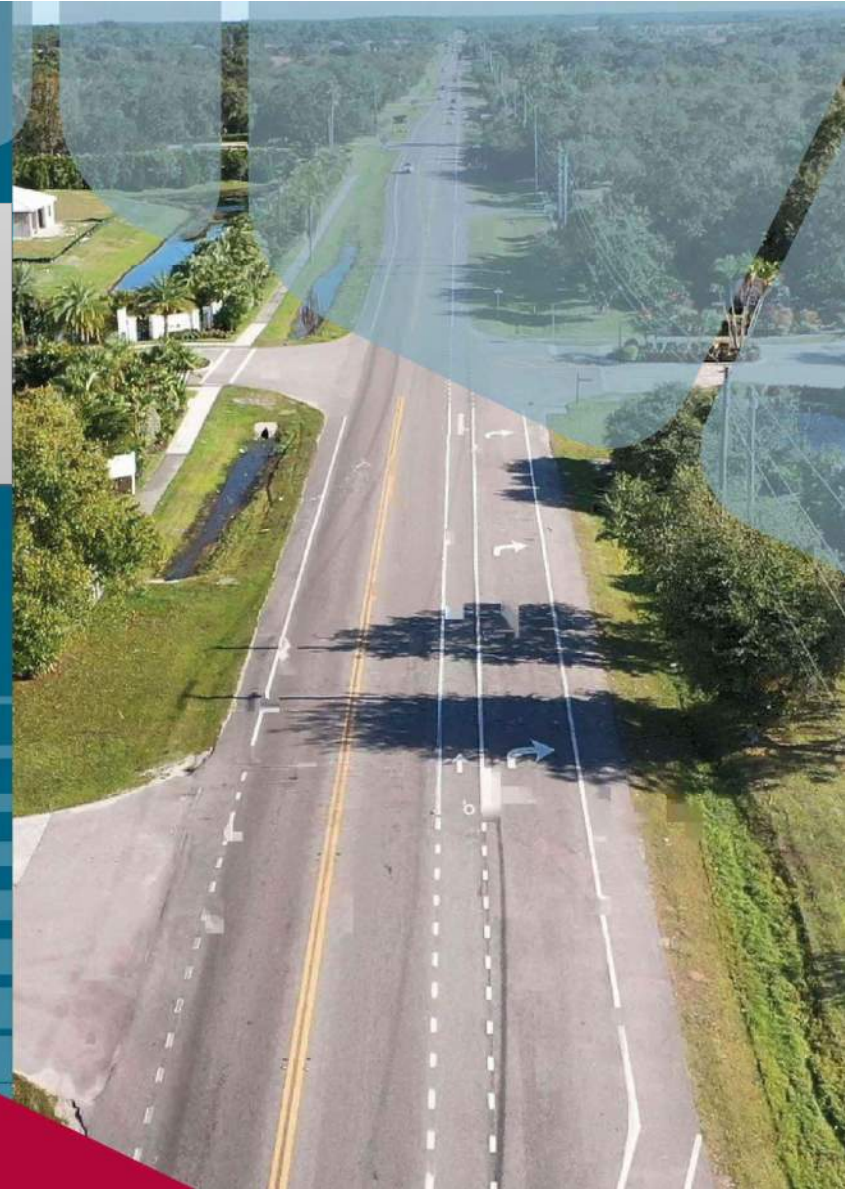
## Environmental Look Around

*from East of I-75 to Lorraine Road*

Prepared By:



Kimley»Horn





# Agenda

## Agenda:

- Introductions
- What is an ELA?
- Project Overview
- Basin Breakdown
- Open Discussion
- Site Walk



# Introductions

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Kimley Horn

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FDOT

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Twin Lakes Park

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IFAS

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Sarasota County

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FPL

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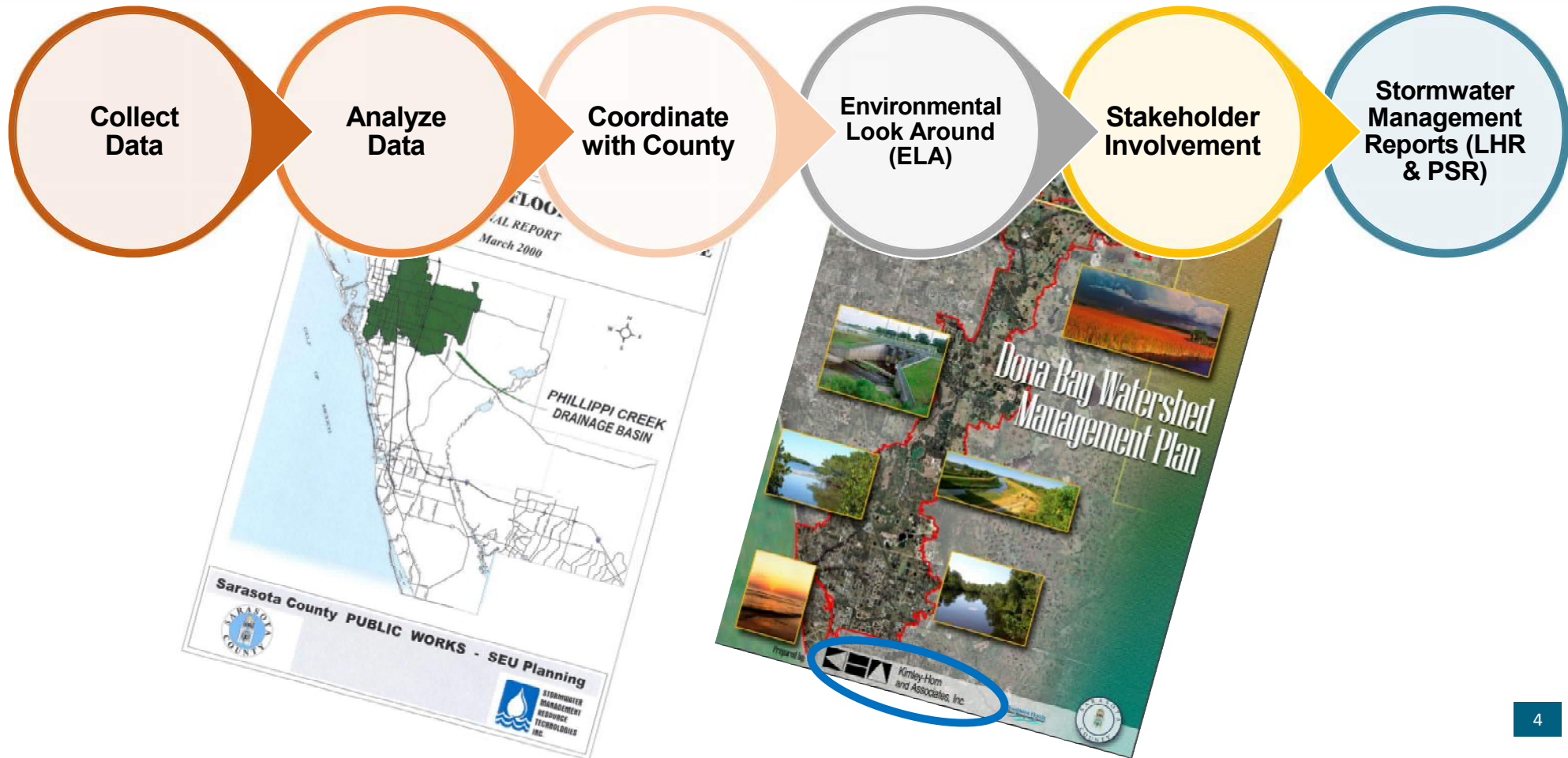
SWFWMD

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Kimley»Horn

# Drainage Approach



# What is an Environmental Look Around?

A process that explores alternative approaches to stormwater management requirements

- Regional pond alternatives
- Utilizing existing water quality treatment credits
- Adding capacity to existing ponds adjacent to the project
- Partnering with local governments and agencies
- Accomplish both stormwater and floodplain needs
- Joint-Use opportunities

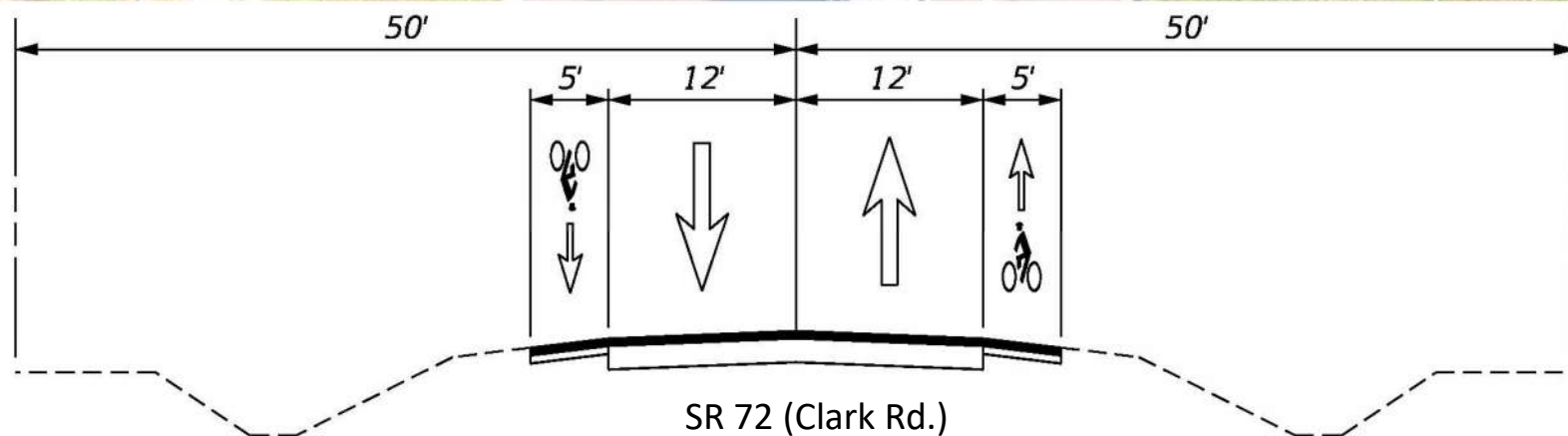


# Study Limits



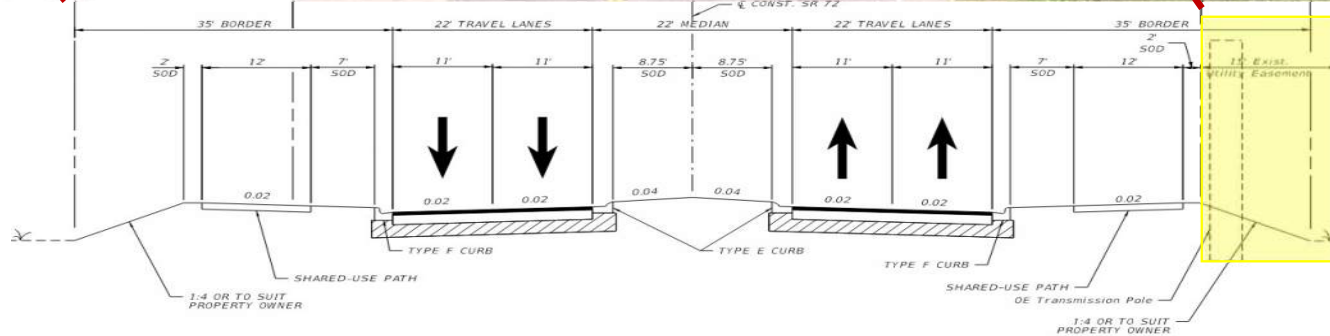
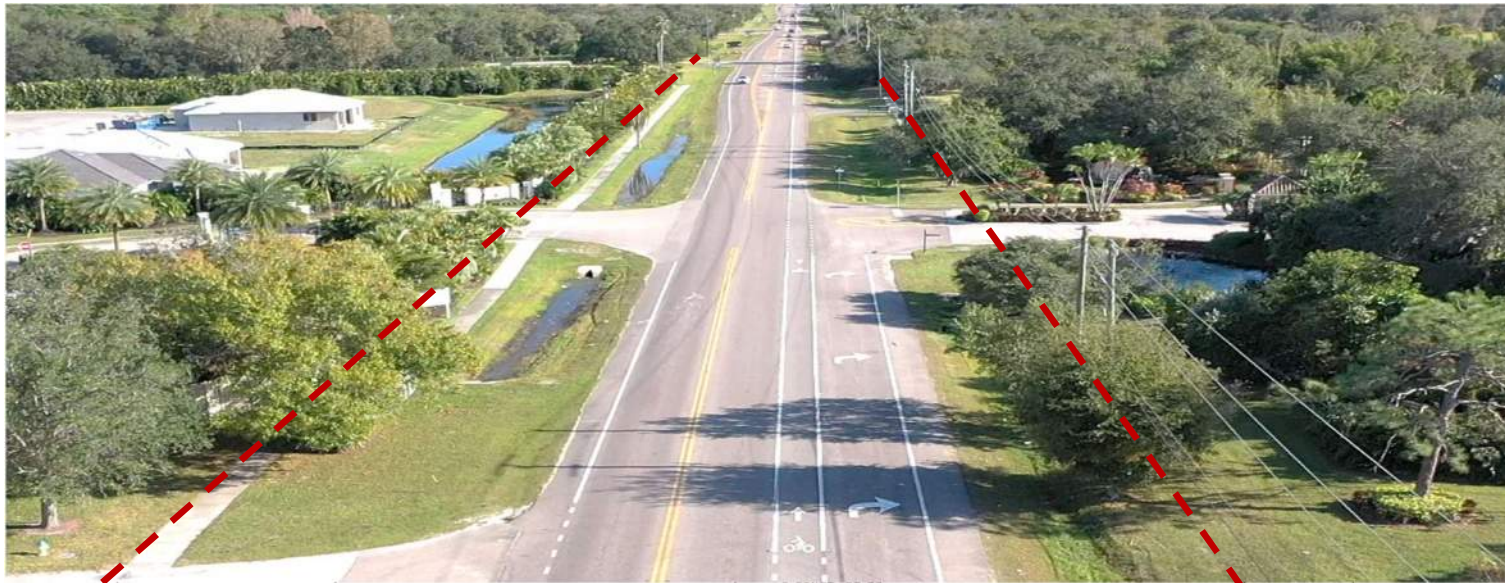


# Existing Typical Section





# Proposed Typical Section



**15' FPL  
Utility  
Easement**



# Existing Drainage

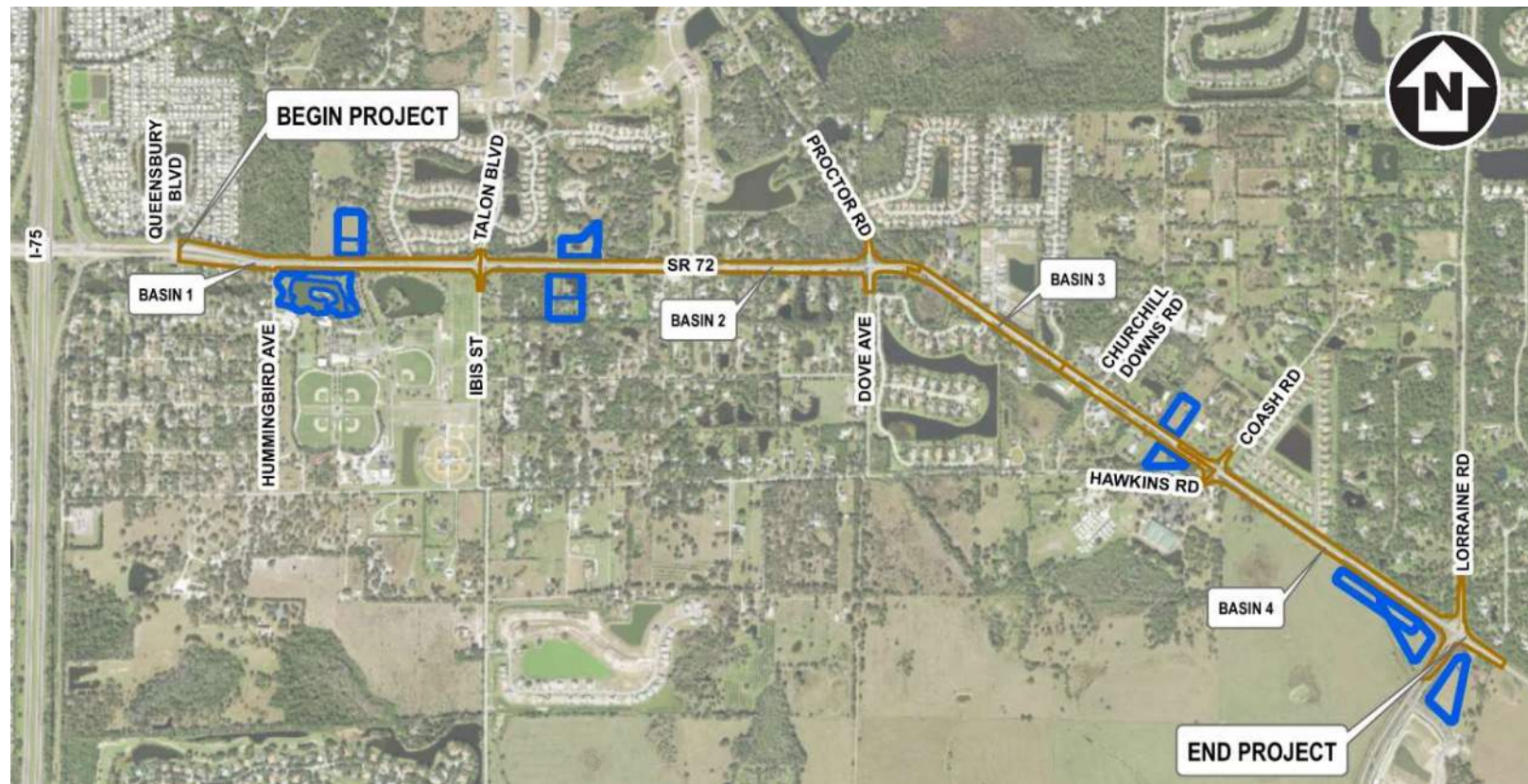
- Sarasota Bay Watershed
  - Phillippi Creek Basin (WBID 1966)
    - Impaired for nutrients
  - Cow Pen Slough Basin (WBID 1924)
    - Impaired for nutrients
- Topography
  - Flat terrain
  - Roadside ditches and open drainage (wet and dry)
  - 4 cross drains





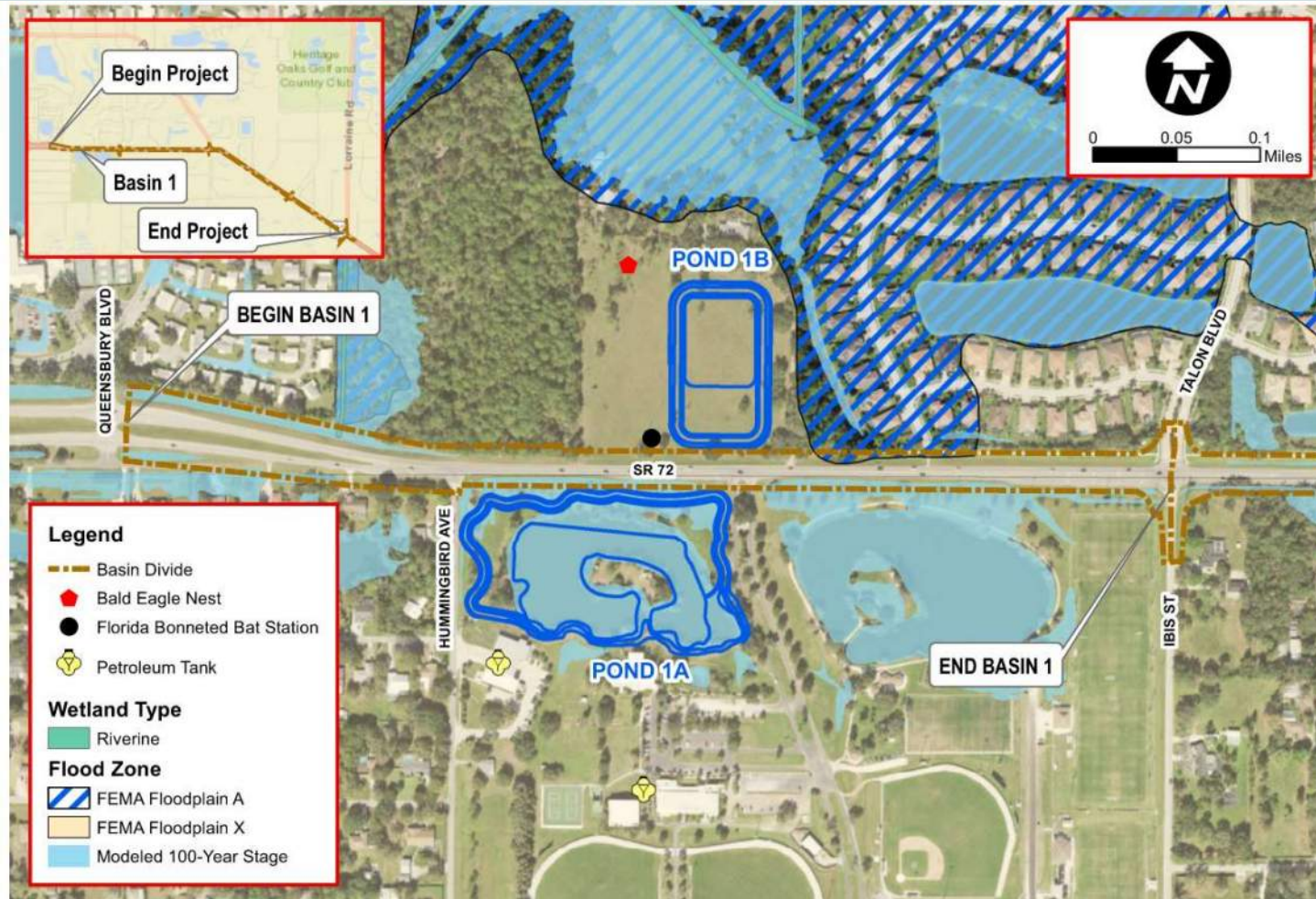
# Proposed Drainage

- Curb and inlet systems to replace the roadside swales
- 4 roadway basins
- 2-3 stormwater management systems identified per basin



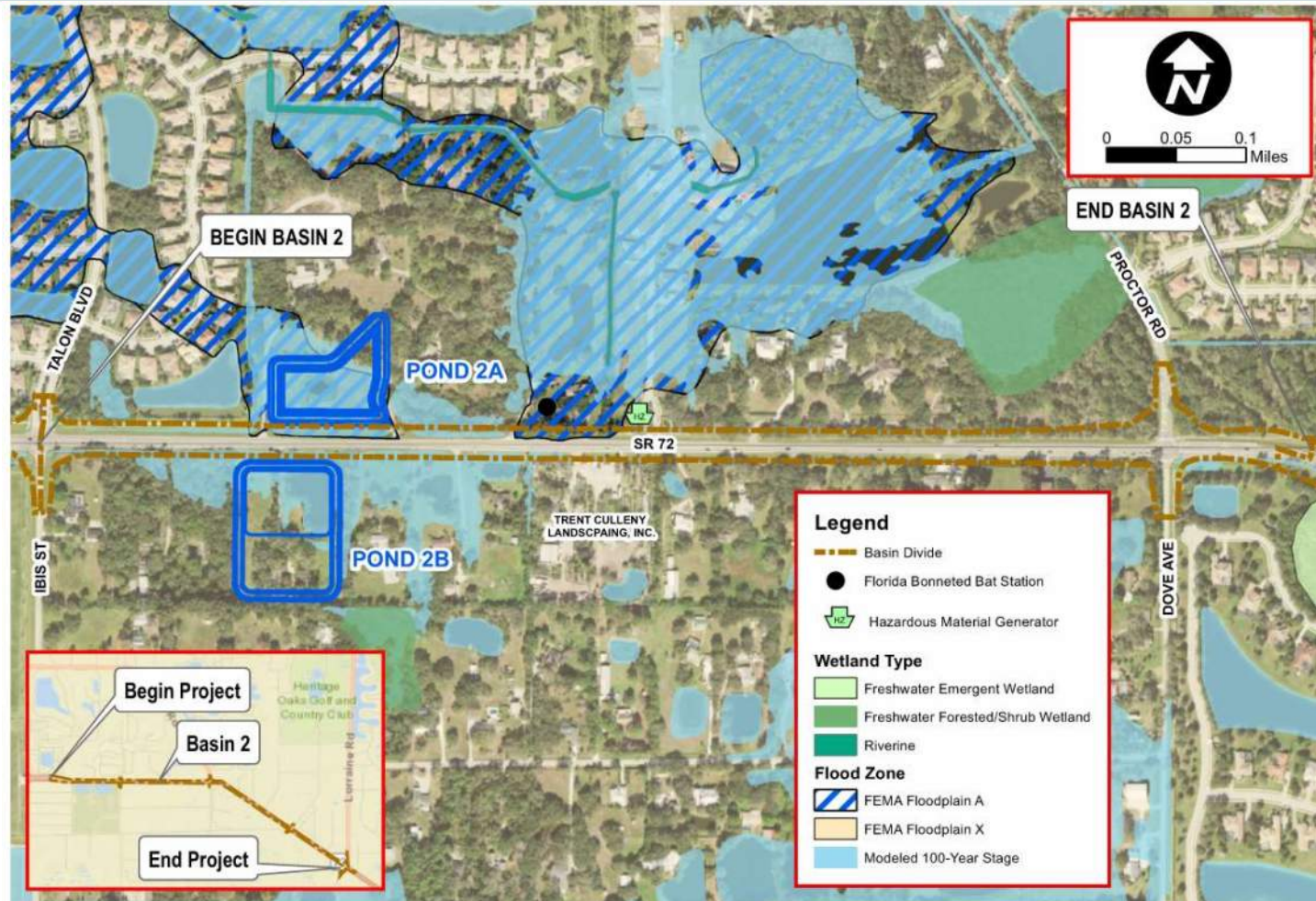


# Basin 1



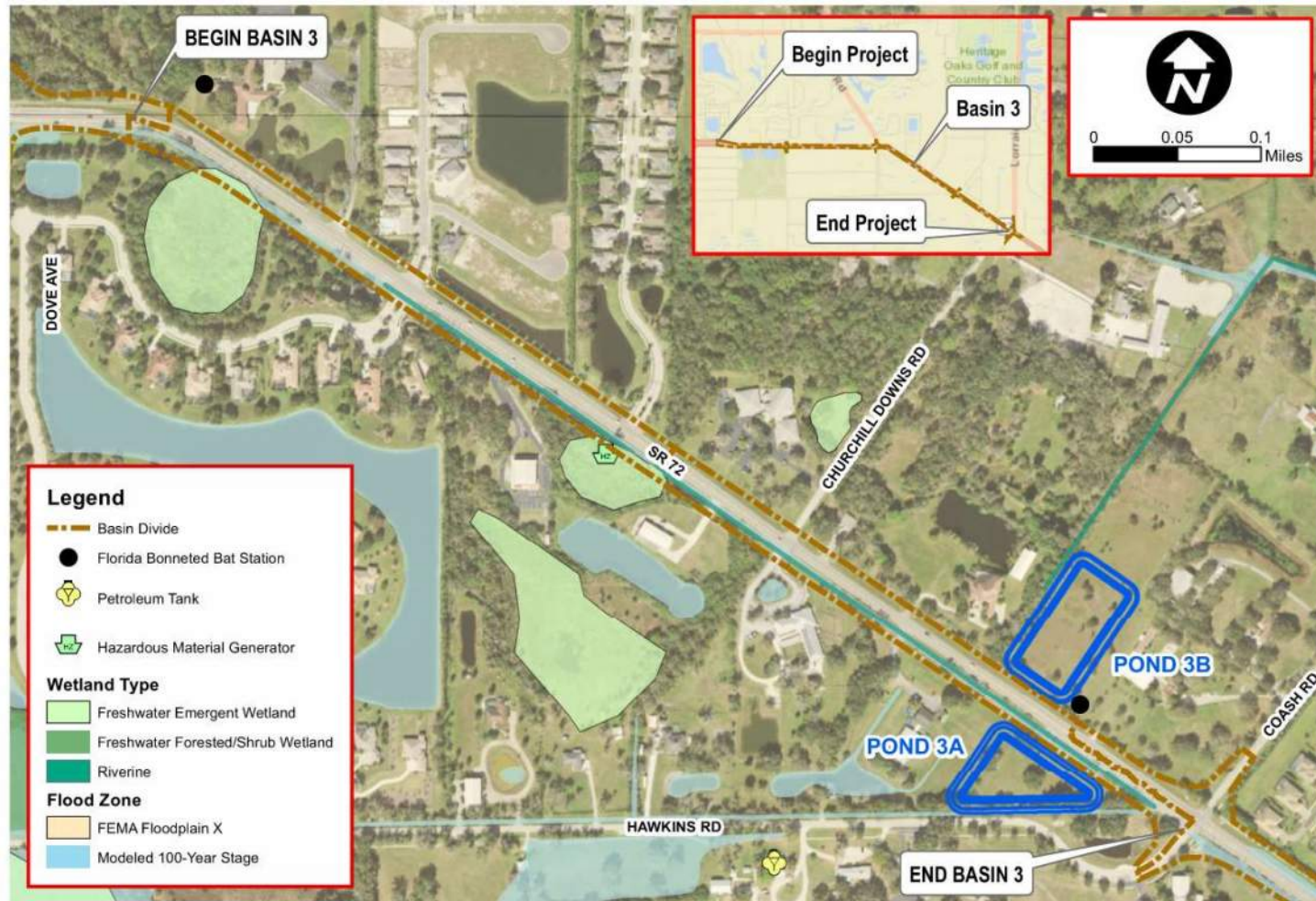


# Basin 2





# Basin 3





# Basin 4





# Wetland Mitigation Options

- Wetland Mitigation
  - Avoidance and minimization
  - Lacks mitigation bank
  - Cumulative impact analysis
  - Fox Creek Regional Offsite Mitigation Area





# Twin Lakes Park Master Plan

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1. Enhanced Park Entrance
  3. Existing Pedestrian Path
  4. Proposed Pedestrian Path
  8. Proposed Parking
  11. Improved Existing Parking

“Site development will most likely require a new ERP permit as the existing two lakes at the northern portion of the property will need to be modified.”





# Discussions Topics

Partnership Opportunities

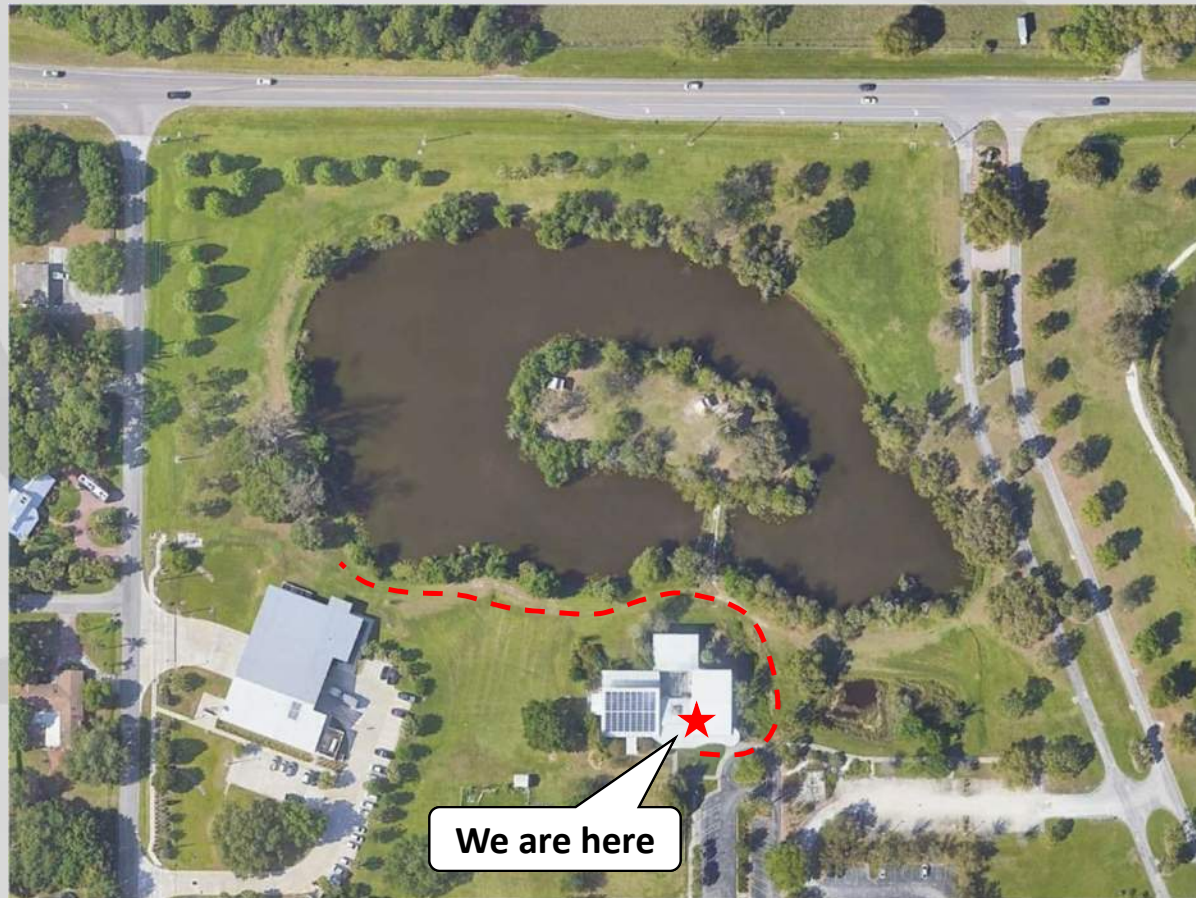
Pond Location Pros & Cons

Regional Benefits

Outside the Box Water Quality Improvements

Regulatory Changes

# Site Walk







Hurricane hub  
National Council  
sand bags  
tagging

Largest baseball  
soccer  
football  
in Sarasota County

take  
counts

Volunteer

Building

Fishing  
Boat  
Launch

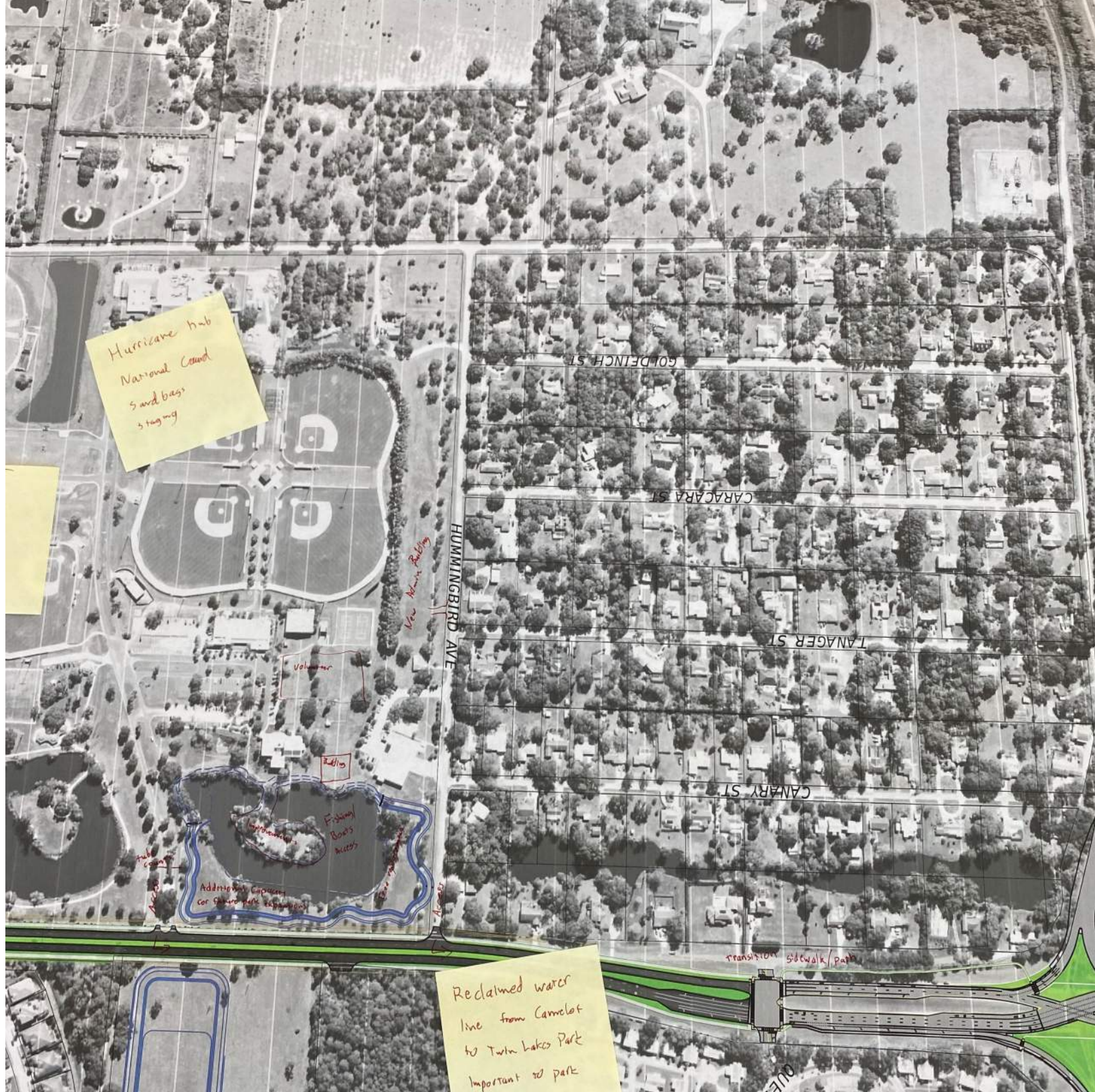
Additional Capacity  
for future park expansion

take  
counts

HURT

TALON BLVD





Hurricane hub  
National Council  
sand bags  
staging

Volunteer

Riding

Fishing  
Boat access

Additional capacity  
for future park expansion

Reclaimed water  
line from Camelot  
to Twin Lakes Park  
Important to park

Transition sidewalk/path

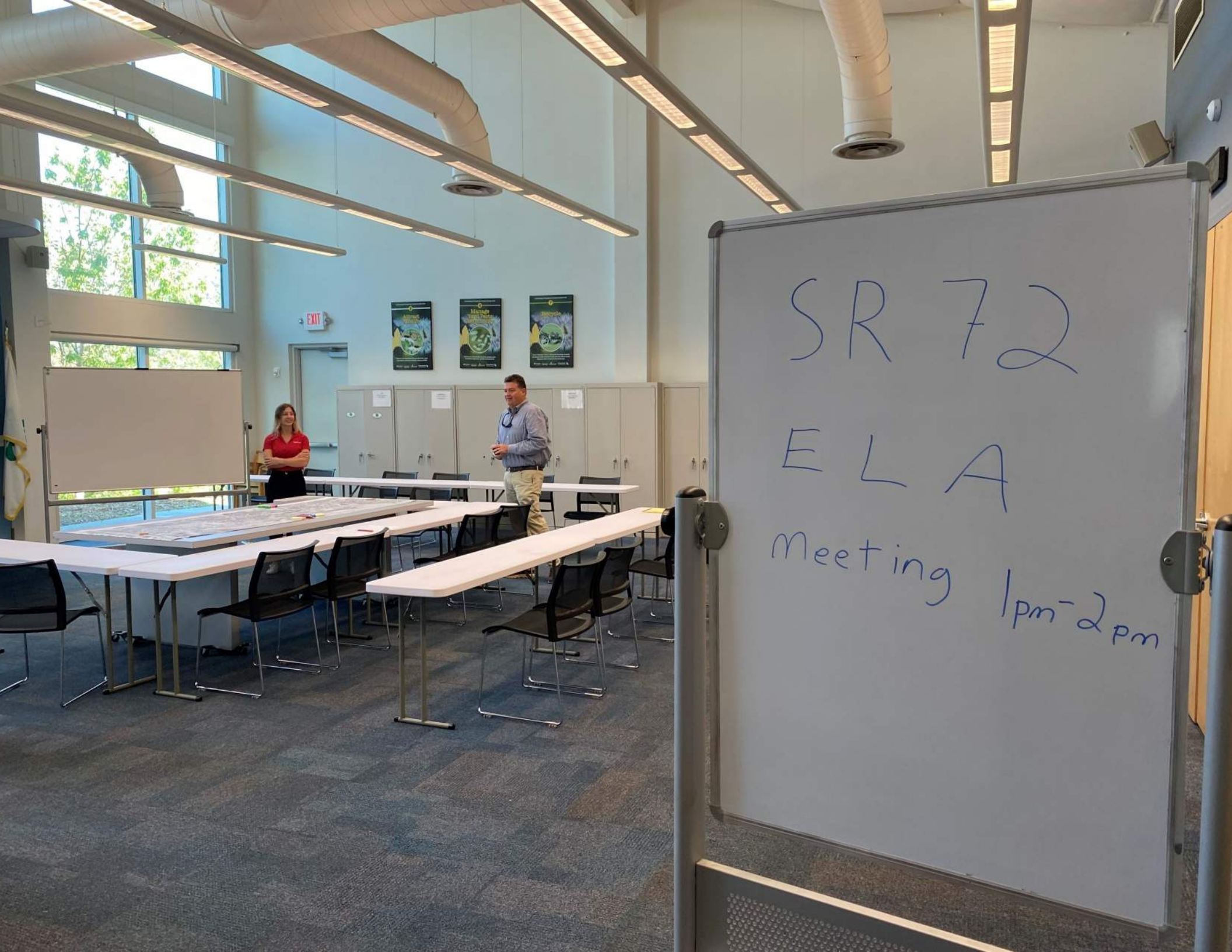
Avenue



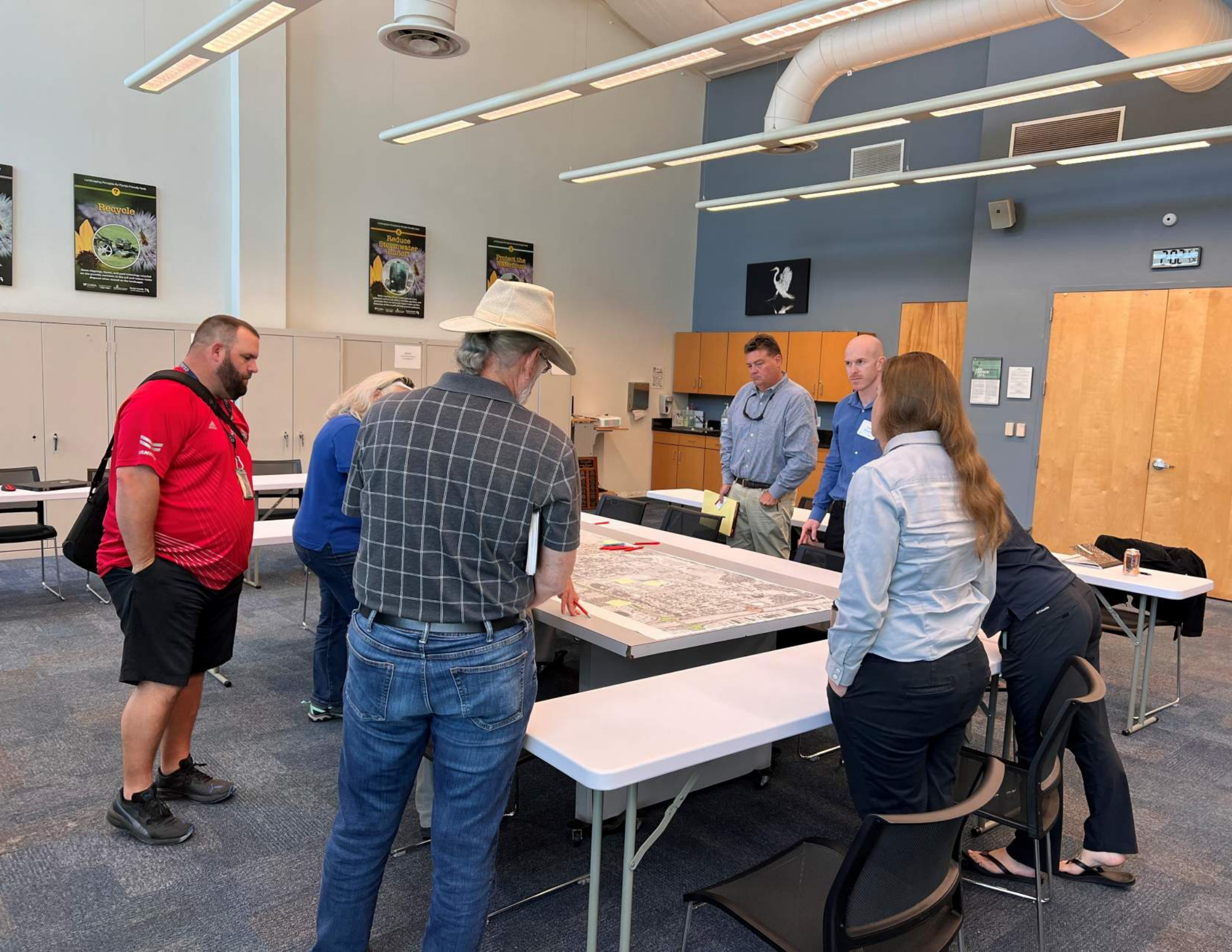
SR 72

ELA

Meeting 1pm-2pm











Kitchen

