



Spring Harbor Dredge

**Public Information Meeting
by City of Madison Engineering Division
June 14, 2022**

- ✓ This meeting will be **recorded** and posted to the City's project page.
- ✓ All attendees should stay be **muted** to keep background noise to a minimum.
- ✓ You may use the **“raise hand”** option at the bottom if you have something that required immediate clarification.
- ✓ Use **“chat”** option if you are having technical issues and a staff person can try to assist.
- ✓ Please use the **“Q&A”** option at the bottom of the screen to type your question. Questions will be answered at the end of the presentation. Inappropriate questions may be dismissed.
- ✓ If you cannot ask via typing your question, use the “raise hand” option and you will be unmuted when it is your turn.



This meeting is being recorded.

It is a public record subject to disclosure.

By continuing to be in the meeting, you are consenting to being recorded and consenting to this record being released to public record requestors.

How to Participate

The screenshot displays a Zoom meeting interface. At the top, a green banner reads "You are viewing City of Madison's screen" with a "View Options" dropdown. Below this is a Microsoft Excel spreadsheet with a ribbon and a grid. A "City of Madison" window is partially visible on the right. In the center, a "Join Audio" dialog box is open, showing "Phone Call" and "Computer Audio" options. A blue button labeled "Join Audio by Computer" is highlighted with a red arrow. At the bottom of the Zoom window, a "Join Audio" button is also highlighted with a red arrow. Other bottom controls include "Q&A", "Chat", "Raise Hand", and "Leave Webinar".

Make sure to join audio

How to Participate

The screenshot displays a Zoom webinar interface. At the top, a green banner reads "You are viewing City of Madison's screen" with a "View Options" dropdown. Below this is a shared Excel spreadsheet with a ribbon menu and a grid of data. A "City of Madison" logo is visible in the top right corner. In the center, there are two buttons: "Phone Call" and "Computer Audio". A blue button labeled "Join Audio by Computer" is positioned below them. At the bottom, a toolbar contains icons for "Join Audio", "Q&A", "Chat", and "Raise Hand". A red arrow points to the "Raise Hand" icon. The "Leave Webinar" button is located in the bottom right corner.

Raise your hand to be unmuted
For comments or ask additional questions.

How to Participate

The screenshot displays a Zoom webinar interface. At the top, a green banner reads "You are viewing City of Madison's screen" with a "View Options" dropdown. Below this is a shared Excel spreadsheet with a ribbon menu and a grid of data. A "City of Madison" logo is visible in the top right corner. In the center, there are two buttons: "Phone Call" and "Computer Audio". A large blue button labeled "Join Audio by Computer" is positioned below them. At the bottom of the interface, there is a toolbar with icons for "Join Audio", "Q&A", "Chat", and "Raise Hand". A red arrow points to the "Chat" icon. In the bottom right corner, there is a "Leave Webinar" button.



Use chat if you have technical issues or a question for the panelists

How to Participate

The screenshot displays a Zoom webinar interface. At the top, a green banner reads "You are viewing City of Madison's screen" with a "View Options" dropdown. Below this is a shared Excel spreadsheet with a ribbon menu and a grid of data. A "City of Madison" logo is visible in the top right corner. In the center, there are two audio options: "Phone Call" and "Computer Audio". A blue button labeled "Join Audio by Computer" is positioned below these options. At the bottom of the interface, there is a toolbar with icons for "Join Audio", "Q&A", "Chat", and "Raise Hand". A red arrow points to the "Q&A" icon. The "Leave Webinar" button is located in the bottom right corner.



Use Q/A if you have questions.
We will answer after the presentation

How to Participate

The screenshot displays a Zoom meeting interface. At the top, a green banner reads "You are viewing City of Madison's screen" with a "View Options" dropdown. Below this is a shared Excel spreadsheet with a ribbon menu and a grid of data. A "City of Madison" name tag is visible on the right. In the center, a dark overlay contains a "Phone Call" icon and a "Computer Audio" icon. A blue button labeled "Join Audio by Computer" is positioned below these. At the bottom, a dark bar contains icons for "Join Audio", "Q&A", "Chat", and "Raise Hand". On the far right of this bar, the text "Leave Webinar" is displayed in red. A red arrow points to this text from the bottom right of the image.

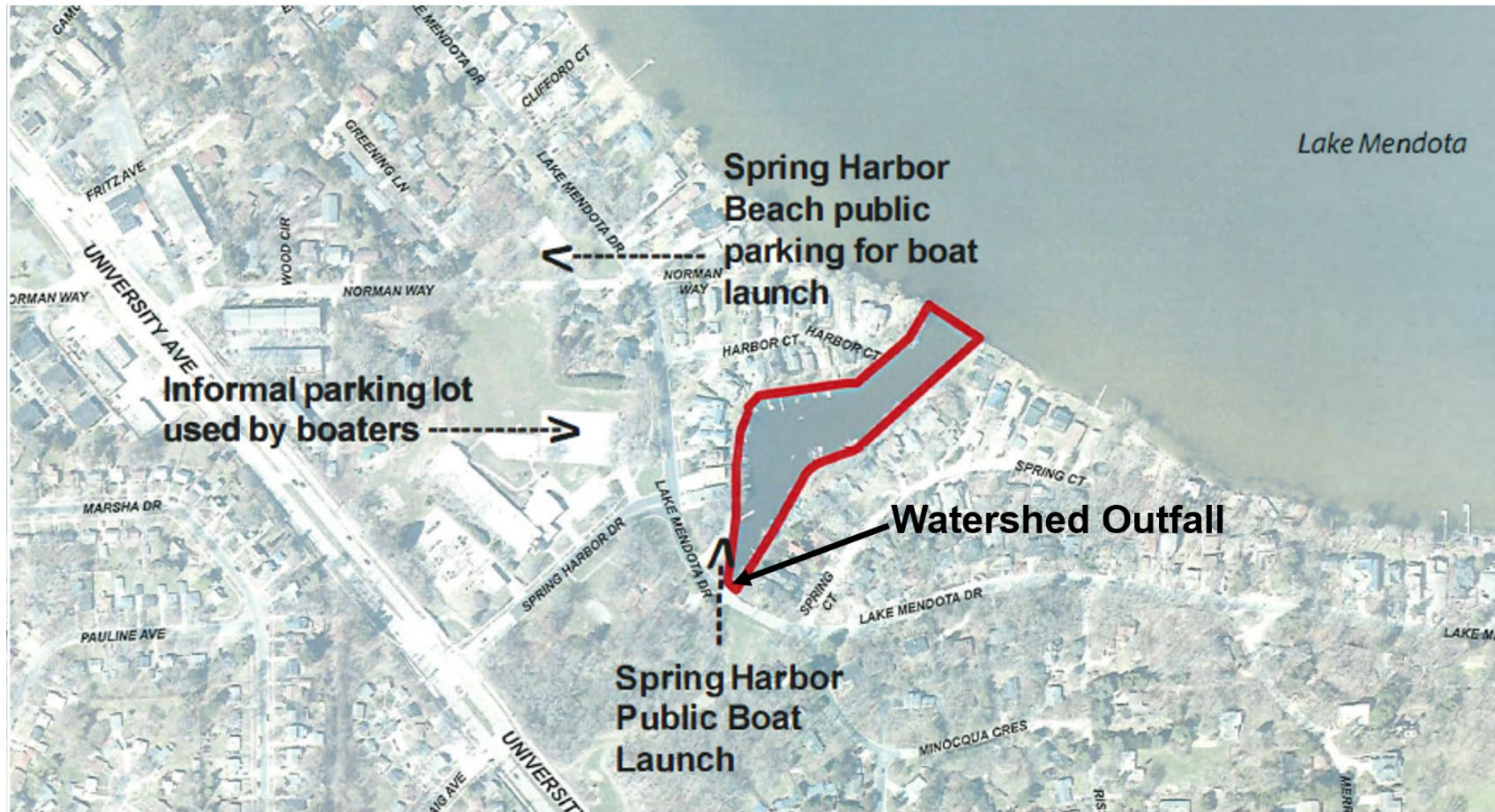
To leave the meeting click here



Agenda

- ▶ Project Location
- ▶ Existing Conditions
- ▶ Project Priorities
- ▶ Investigated Alternatives
- ▶ Proposed Design
- ▶ Construction Funding
- ▶ Projects and Continuing Preventative Practices
- ▶ Project Schedule

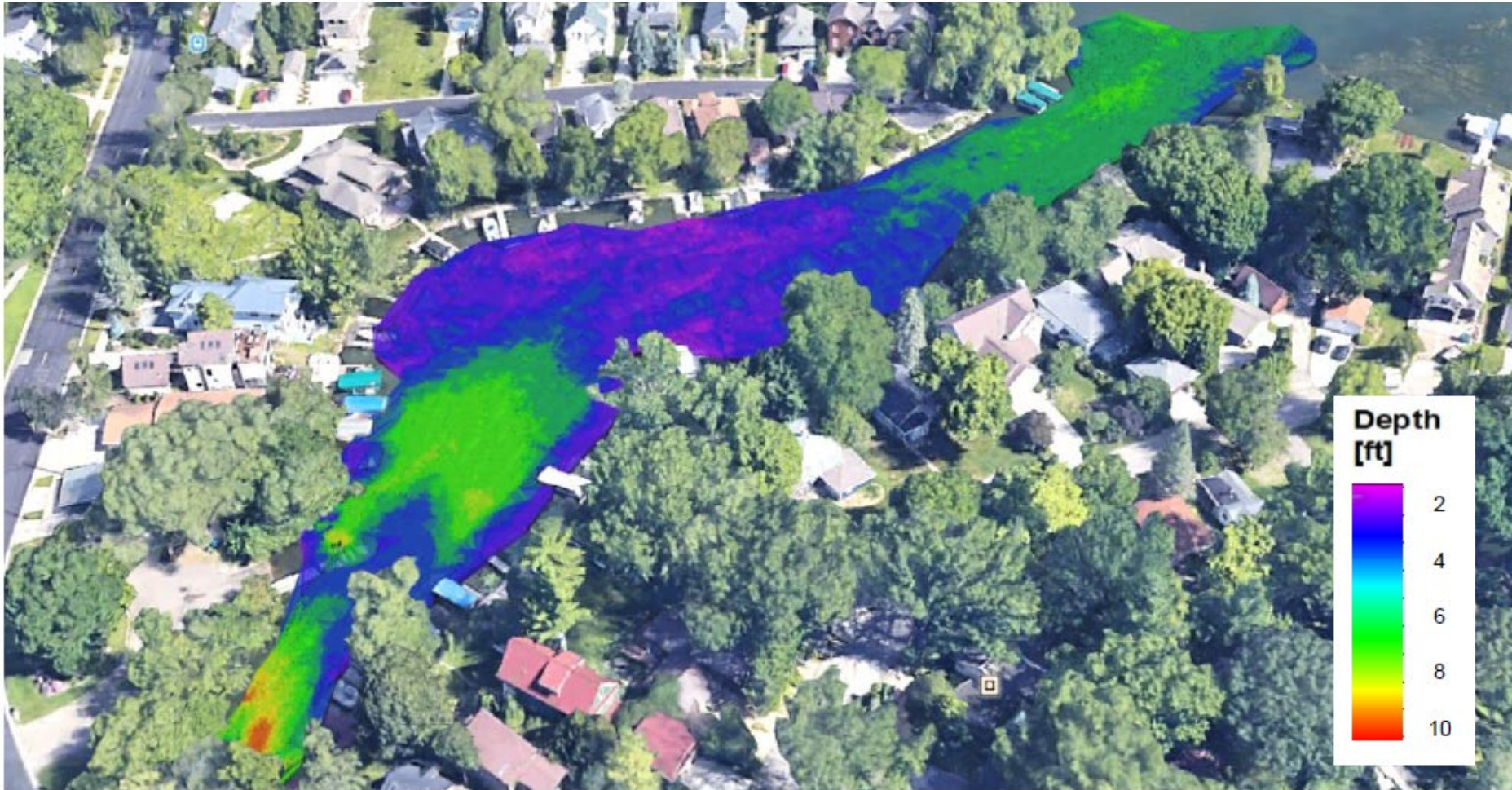
Project Location



Project Location and Watershed



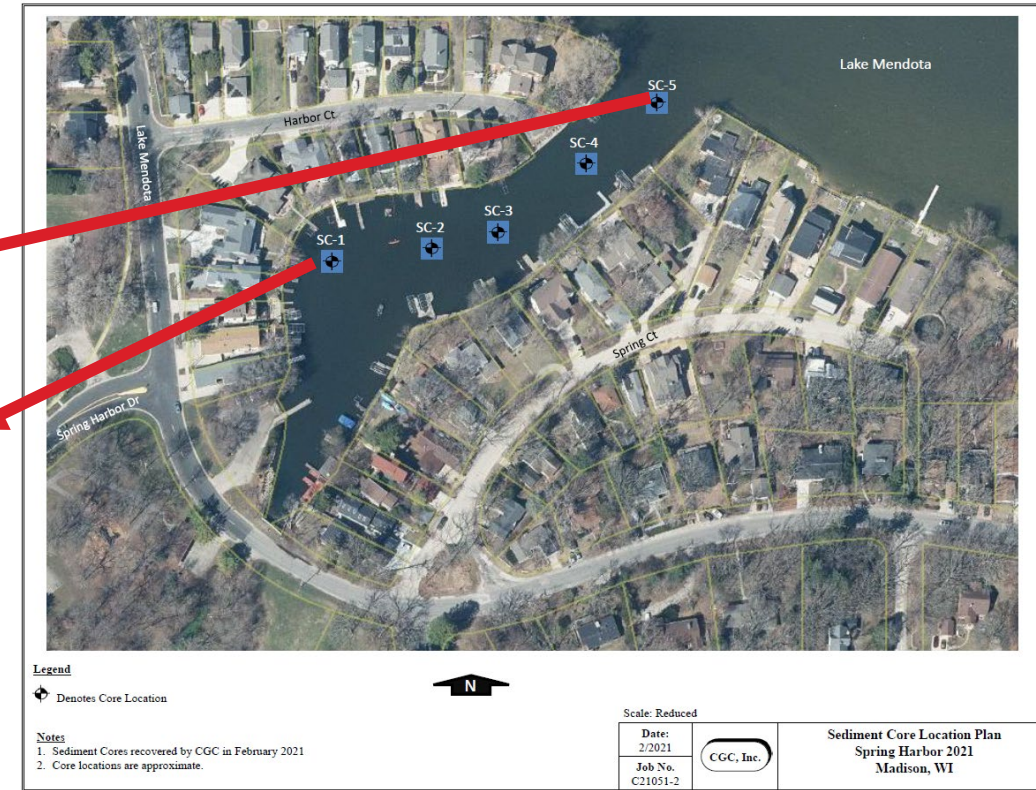
Existing Conditions as of May 2020



Existing Conditions

Location	
Madison, WI	
2921 PERRY STREET, MADISON, WIS. 53713 (608) 288-4100, FAX (608) 288-	
Depth (ft)	VISUAL CLASSIFICATION and Remarks
	12 in. ICE
	WATER
	4' DEPTH BEFORE SEDIMENT
5	Dark Gray Organic SILT and CLAY, Occasional Plant Fibers, Wood Pieces and Sand Partings (OH)
	Thin (<1/2-in.) Sand Seams Beginning Near 6'
	Dark Brown Fine to Medium SAND, Some Silt (SM)
	Light Brown Fine to Medium SAND, Trace Silt (SP)
	End of Core at 8 ft

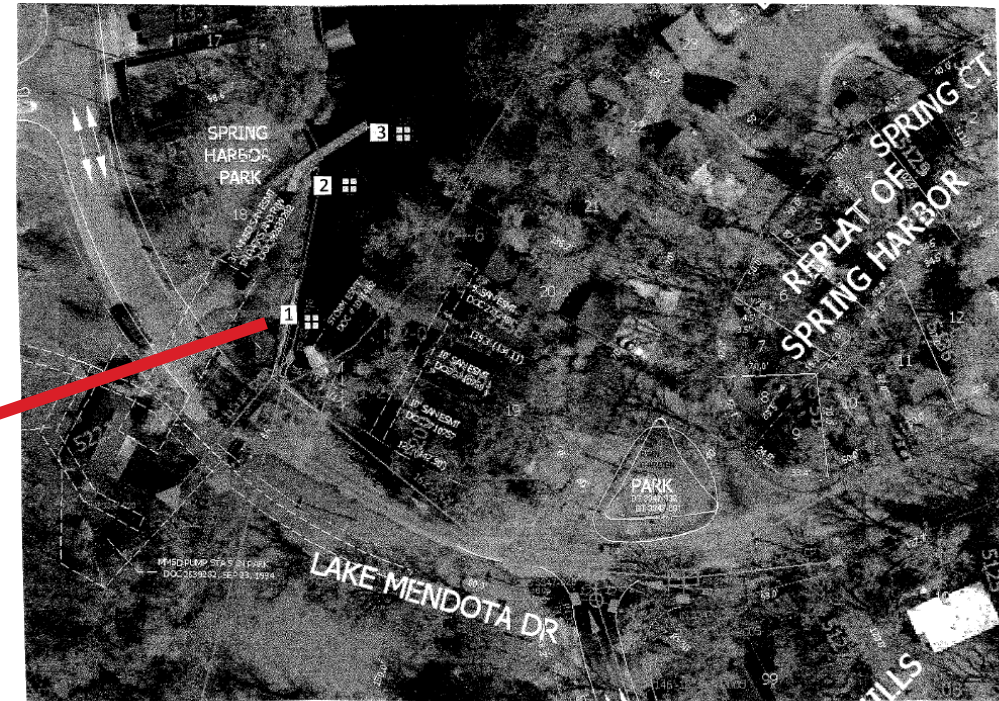
Location	
Madison, WI	
2921 PERRY STREET, MADISON, WIS. 53713 (608) 288-4100, FAX (608) 288-	
Depth (ft)	VISUAL CLASSIFICATION and Remarks
	4 in. ICE
	WATER
	3' DEPTH BEFORE SEDIMENT
5	Dark Gray-Brown Organic SILT and CLAY with Scattered Plant Fibers and Wood Pieces (OH)
	Occasional Sand Partings Beginning Near 6'
	Fewer Fibers and Wood Pieces Below 6'
10	End of Core at 10 ft



2020 borings

2011 Sediment Core Logs

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	Rec (in.)	Moist	N	Depth (ft)		Electrical Conductivity	W	LL	PL	pH
					WATER (24 in.)					
					Brown Fine to Coarse SAND, Trace Silt, Gravel and Organics	1.79	18.7		7.3	
					End Boring at 6 ft					



e Location (approximate)



Notes

1. Sediment Cores recovered by CGC personnel in Febru

2011 boring

CITY OF MADISON



Project Priorities

- Meet goals of the **DNR Grant** for public access at boat launch and recreational boating facilities
 - *RBF program is limited to cost-sharing a dredging project which is 25' on either side of the centerline of the main navigable channel.*
- 2018–2023 Madison Park and Open Space Plan “access to water” top request & improved public access as top strategy
 - 2017–2019 boat launch permits sales at Spring Harbor Boat Launch had **343 annual boat launch permits sales** at Spring Harbor Boat Launch

Investigated Alternatives

- ▶ **Dredge main channel from public boat launch**
 - Costs:~ \$750,000

Investigated Alternatives

- ▶ Dredge main channel from public boat launch
 - Costs:~ \$750,000
 - Dredge main channel from public boat launch + expand dredging up to within 10' of outside edge of private piers
- ▶ Costs: \$750K+ ~\$350,000 in extra project costs

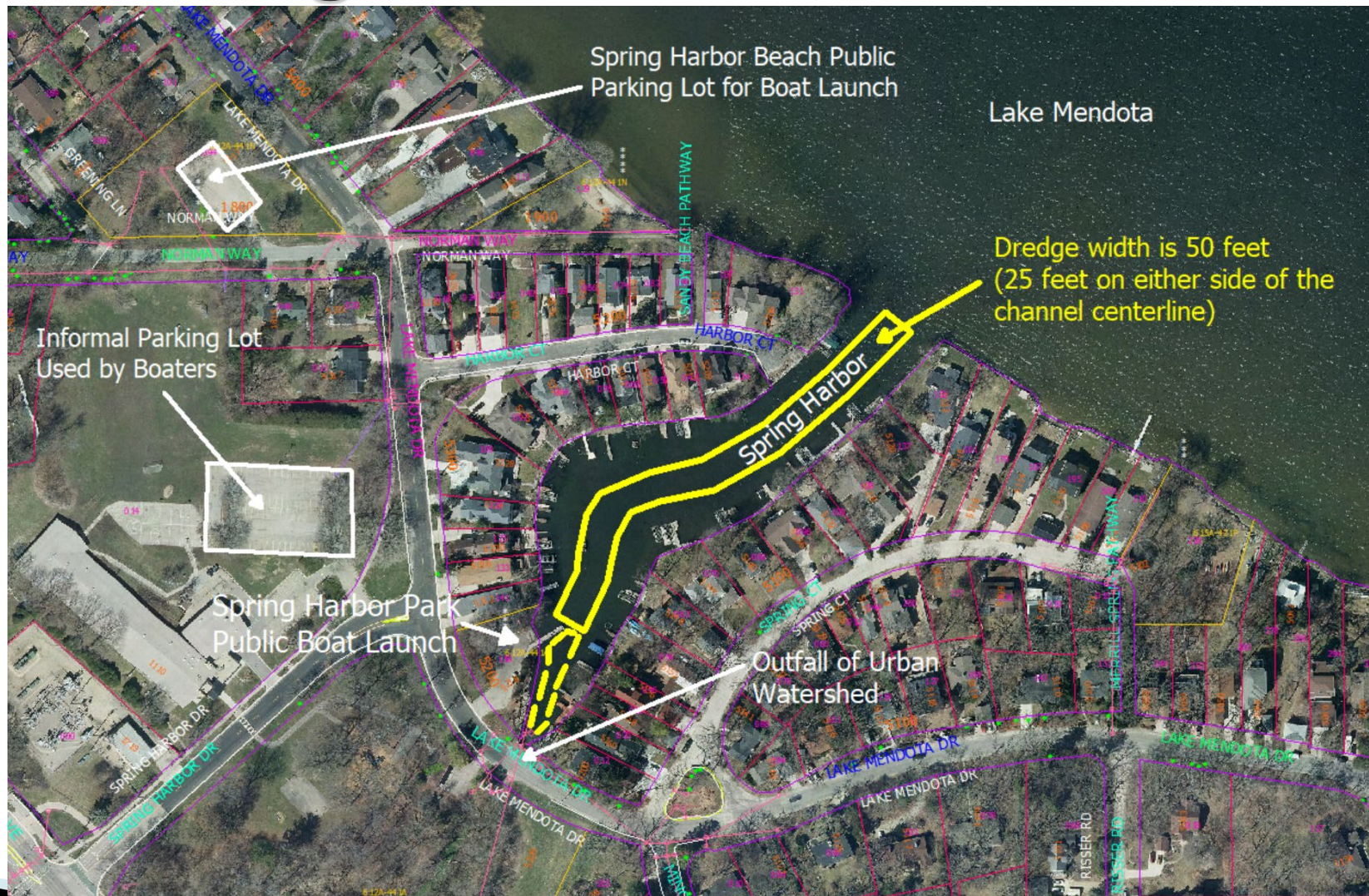
Investigated Alternatives

- ▶ **Dredge main channel from public boat launch**
 - Costs:~ \$750,000
 - Dredge main channel from public boat launch + expand dredging up to within 10' of outside edge of private piers
- ▶ **Costs: \$750K+ ~\$350,000 in extra project costs**
- ▶ **Other Options considered:**
 - Dredge main channel from public boat launch + expand include dredging up to within 3' of outside edge of private piers
 - Costs: \$750K + ~\$500,000 in extra project costs

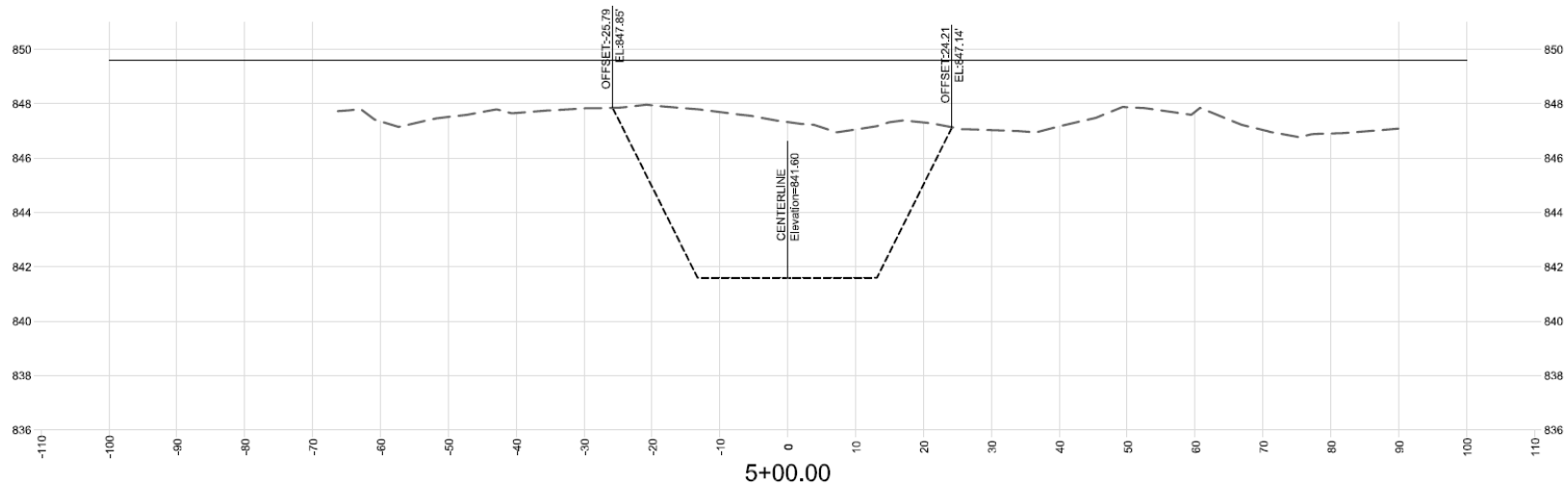
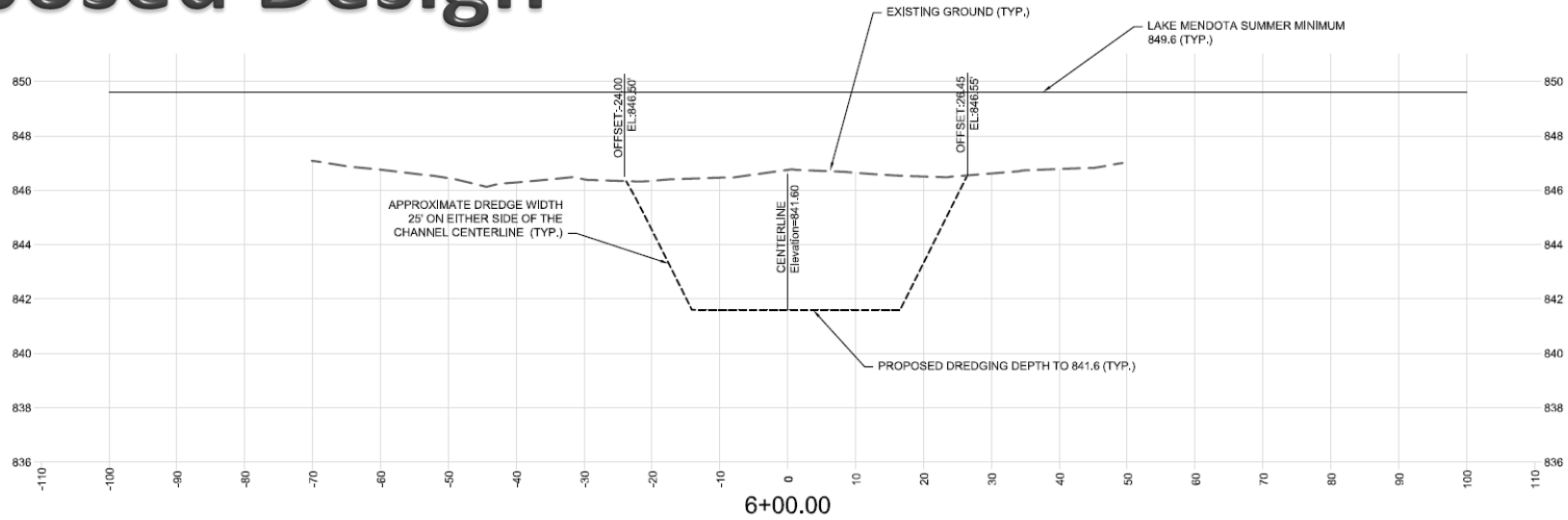
Investigated Alternatives

- ▶ **Additional project expansion would increase the project beyond current budget**
- ▶ **Potential for Private Assessments**
 - No easy path with current MGO, State Statutes, and complexity of dredging project
 - **All lot owners** would need to be included in the assessment district
 - ~\$20–25 K per lot owner to dredge within 3' of private pier
 - Requires Council approval and a budget amendment to increase project cost –paid up front out city budget.
 - Even once dredging to within 3' of private pier, individual property owners would have to coordinate with the contractor to dredge directly adjacent to piers, if the contractor was interested in doing so

Proposed Design



Proposed Design



Construction Funding

▶ Construction Funding \$775,000

- Parks (~\$110,000) and DNR grant fund (\$249,000) because of public boat launch for Recreational Boating Facilities
- Engineering funds remaining costs (\$415,000)
 - Tried twice, but unsuccessful for competitive WDNR Sport Fish Restoration Grant
- Difficult bidding environment and anticipate high bids due to inflation and fuel prices
- Will dredge as much as possible with the budget allocated

Projects and Continued Preventative Practices

- ▶ Winter Sand Application
- ▶ Sediment or Catchbasins
- ▶ Raingardens / Bioinfiltration Basins
- ▶ Ponds for sediment removal
- ▶ Stabilization of Eroded Channels
- ▶ Better flood control to reduce runoff
- ▶ Leaf management and street sweeping

Project Schedule

- July/August 2022: Advertise for Bids
- October 2022: Begin Construction
- January 2023: End Construction

Additional Information

- ▶ FAQ on Dredge and Outfall from Watershed PIM
 - <https://www.cityofmadison.com/engineering/documents/projects/Spring%20Harbor%20Outfall%20and%20Dredge%20FAQ.pdf>

Contact Information & Resources

- Engineering
 - Landscape Architect, Carissa Wegner, 608-261-9822, cwegner@cityofmadison.com
 - Principal Engineer, Janet Schmidt, 608-261-9688, jschmidt@cityofmadison.com
- Project Website: cityofmadison.com/engineering/projects/spring-harbor-dredge
Sign-up for project email updates on the website
 - Updates on closures & work progress will be posted to the project website
- Facebook – City of Madison Engineering
- Twitter – @MadisonEngr
- Engineering Podcast: Everyday Engineering on iTunes, GooglePlay