

PELICAN BAY SERVICES DIVISION

Municipal Services Taxing & Benefit Unit

NOTICE OF PUBLIC MEETING

MARCH 1, 2022

THE **WATER MANAGEMENT COMMITTEE** OF THE PELICAN BAY SERVICES DIVISION WILL MEET AT **1:00 PM** ON **TUESDAY, MARCH 1** AT THE PBSO OFFICE, SUNTRUST BUILDING, SUITE 102, 801 LAUREL OAK DRIVE, NAPLES, FL 34108.

AGENDA

1. Pledge of Allegiance
2. Roll call
3. Agenda approval
4. Approval of 05/10/21 meeting minutes
5. Audience comments
6. *Recommendation to approve the Oakmont Lake project award
7. Pipe inventory and review status and implications for budget this year and in the future
8. Pipe maintenance projects
9. Status of the Community Center Lake and future lake bank restoration projects
10. Continued monitoring and sediment testing to anticipate drainage issues.
11. Possible strategic issues for Water Management
 - a. Implications of Sea Level Rise
 - b. Implications of extreme coastal storms and greater water flow
 - c. Increased level of rainfall per Figure 9 in 2020 Water Quality Report
 - d. Other considerations

**indicates possible action item*

ANY PERSON WISHING TO SPEAK ON AN AGENDA ITEM WILL RECEIVE UP TO THREE (3) MINUTES PER ITEM TO ADDRESS THE BOARD. THE BOARD WILL SOLICIT PUBLIC COMMENTS ON SUBJECTS NOT ON THIS AGENDA AND ANY PERSON WISHING TO SPEAK WILL RECEIVE UP TO THREE (3) MINUTES. THE BOARD ENCOURAGES YOU TO SUBMIT YOUR COMMENTS IN WRITING IN ADVANCE OF THE MEETING. ANY PERSON WHO DECIDES TO APPEAL A DECISION OF THIS BOARD WILL NEED A RECORD OF THE PROCEEDING PERTAINING THERETO, AND THEREFORE MAY NEED TO ENSURE THAT A VERBATIM RECORD IS MADE, WHICH INCLUDES THE TESTIMONY AND EVIDENCE UPON WHICH THE APPEAL IS TO BE BASED. IF YOU ARE A PERSON WITH A DISABILITY WHO NEEDS AN ACCOMMODATION IN ORDER TO PARTICIPATE IN THIS MEETING YOU ARE ENTITLED TO THE PROVISION OF CERTAIN ASSISTANCE. PLEASE CONTACT THE PELICAN BAY SERVICES DIVISION AT (239) 252-1355.

**PELICAN BAY SERVICES DIVISION
WATER MANAGEMENT COMMITTEE MEETING
MAY 10, 2021**

The Water Management Committee of the Pelican Bay Services Division met on Monday, May 10 at 9:00 a.m. at the Community Center at Pelican Bay, 8960 Hammock Oak Drive, Naples, FL 34108. The following members attended.

Water Management Committee

Denise McLaughlin, Chair
Jack Cullen
Susan Hamilton

Michael Rodburg
Rick Swider (*absent*)
Michael Weir

Pelican Bay Services Division Staff

Neil Dorrill, Administrator
Chad Coleman, Operations Manager
Darren Duprey, Assoc. Project Mgr. (*absent*)

Karin Herrmann, Ops. Analyst (*absent*)
Lisa Jacob, Project Manager
William Mumm, Sr. Field Supervisor
Barbara Shea, Administrative Assistant

Also Present

Jane Brown, PBF Board
Jim Carr, Agnoli, Barber & Brundage
Michael Fogg, PBSB Board

John Gandolfo, PBF Board
Melanie Miller, Pelican Bay Foundation
Susan O'Brien, PBSB Board
Trent Waterhouse, PBF Board

APPROVED AGENDA (AS PRESENTED)

1. Pledge of Allegiance
2. Roll call
3. Agenda approval
4. Approval of 03/29/21 meeting minutes
5. Audience comments
6. *Oakmont Lake 4-1 restoration
7. Adjournment

ROLL CALL

Mr. Swider was absent and a quorum was established

AGENDA APPROVAL

Ms. Hamilton motioned, Mr. Rodburg seconded to approve the agenda as presented. The motion carried unanimously.

APPROVAL OF 3/29/21 MEETING MINUTES

Mr. Rodburg motioned, Mr. Cullen seconded to approve the 3/29/21 meeting minutes as presented. The motion carried unanimously.

AUDIENCE COMMENTS

Mr. Trent Waterhouse commented that a majority of the PBSB Board (six board members) sit on this committee and questioned whether this is a problem. Mr. Dorrill commented that any motion approved by this committee must be forwarded to the full board for approval. He also noted that this is not a Sunshine issue. Ms. O'Brien commented that this is a departure from our past practices, and that this is a question for the County Attorney.

Mr. Rollie Stephenson commented that aesthetics should be our number one consideration, followed by function. He also emphasized the importance of tree preservation.

INTRODUCTIONS

Ms. McLaughlin asked the committee members to introduce themselves. Also present on the dais were Mr. Jim Carr, Dr. Joe Chicurel, Mr. Neil Dorrill, and Ms. Melanie Miller, who similarly introduced themselves.

OAKMONT LAKE 4-1 RESTORATION

Ms. McLaughlin provided a brief overview of the Pelican Bay water management system and noted three purposes of the system, (1) control rainwater, (2) hold the water after rain events, and (3) move the water gently toward the Gulf of Mexico.

Our ABB engineer, Mr. Jim Carr, reviewed and contrasted the three options under consideration for the Oakmont Lake restoration project which include, (1) Geoweb on the east side and riprap on the west side, (2) Geoweb on the east side and regrading on the west side, and (3) Geoweb on all sides. Photos of the different methods were provided. For each of the three options, Mr. Carr provided both the engineer's opinion of cost for the lake bank restoration and the total project cost which would include other costs such as pathway and landscaping replacement, and contingencies.

Ms. Jacob commented that her estimate of project completion is the summer of 2022. Mr. Carr commented on the benefits of construction during the dry season. Ms. McLaughlin commented that the targeted construction timeframe is Jan./Feb./Mar. of 2022.

Ms. Melanie Miller, V.P. Pelican Bay Foundation, commented that the scope of the PBF in this project is the replacement of the pathway, signage, lighting, and retaining walls. She noted that the PBF will be collaborating with the PBSB and ABB engineers at every step of the way.

Dr. Chicurel, PBSB Landscape & Safety Committee Chair, commented that aesthetics, function, and safety are the key components to consider in this project. He noted that maintenance friendly landscape replacements will be included in this project.

Mr. Mumm commented on the difficulty/challenges of maintaining littoral plants. He noted that when weeds appear within the littoral plants, it is almost impossible to remove them. He recommended planting small groups of littoral plants.

Mr. Dorrill commented that PB lakes are owned by either the PBF, the Club Pelican Bay, or a homeowners association. The PBSB has drainage easements, which include 15

Pelican Bay Services Division Water Management Committee Meeting
May 10, 2021

feet around 45 of the lakes, and connecting pipes and culverts of the entire water management system. As the SFWMD permit holder, the PBSB is responsible for the entire system's drainage and it is our responsibility to manufacture the highest quality stormwater system possible.

Ms. McLaughlin asked for comments on our Oakmont Lake bank restoration project.

Mr. Chuck Johns commented on (1) his opposition to the use of riprap, and (2) the number of resident accidents resulting from the disrepair of the pathway along Oakmont Lake.

Mr. Bob Sanchez asked which entity would be responsible to pay for the restoration project. Ms. McLaughlin responded that the PBSB has been accruing funds for this project, and will have the \$2 million necessary for this project when it is ready to go out for bid. She noted that more than half of the lakes which the PBSB is responsible for do not require any maintenance work at this time, and many other lakes are much smaller, which will result in a much lower cost for the necessary restoration work at each of these lakes.

Ms. Pat Fordyce asked about the future of the railroad ties. Ms. Miller responded that they will be replaced with the same material.

Ms. Jane Brown commented on her opposition to riprap. She asked whether any of the solutions was a better choice in relation to the landscaping. Mr. Carr responded that several sabal palms on the south side of the lake will need to be removed, and that there is no option which is more favorable to landscaping than another. Ms. Brown also questioned whether the lake would need to be drained during the project construction. Mr. Carr responded that this would not be necessary.

Mr. Mark Feit commented that the lake level does not drop more than a few inches at any time during the year. Mr. Carr agreed. Mr. Feit questioned whether littoral plantings can be installed next to Geoweb. Mr. Carr responded that littoral plantings can be installed both above and below the water level, alongside Geoweb. Mr. Feit questioned what the access would be, to import large amounts of soil, if the regrading option were chosen. Mr. Carr responded that the contractor would determine the method of access.

Mr. Bob Sanchez expressed concerns on installing sod right up to the water's edge, which may cause an increase in the lake's algae. He also noted that algae is an aesthetic issue.

Ms. Liz Feit commented on (1) her opposition to riprap, (2) lake bank erosion, (3) an unacceptable level of algae, and (4) the need to prevent nutrients from entering the lake. She suggested that the PBSB studies what other entities in the area are doing to maintain their lakes. Mr. Mumm discussed his positive results in reducing algae through the use of bacteria in a handful of lakes. During the last year, bacteria has been installed in the Oakmont Lake. Mr. Mumm commented that as a result, he has seen a great improvement in the level of algae in this lake.

Mr. Trent Waterhouse questioned whether the Geoweb cost estimates use a four or six-inch thickness. Mr. Carr responded that his estimates use a four-inch thickness.

Mr. Phil Wade expressed concerns on the use of riprap. He questioned why Geoweb is the most effective method of restoration. Mr. Carr explained that Geoweb provides a structural base for the dirt and sod above it. He also noted that regrading the lake banks quickly erodes over time.

**Pelican Bay Services Division Water Management Committee Meeting
May 10, 2021**

Ms. Ginny De Mas spoke on behalf of Dr. Dave Trecker and another resident who oppose riprap; these two residents were unable to attend this meeting.

Ms. Vickie Harrison commented on her opposition to riprap.

Mr. Dorrill commented that the most recent action taken by this committee was to choose the Geoweb on the east side and riprap on the west side option.

Mr. Rodburg commented that the PBSB mission statement includes a reference to aesthetics. He noted that this lake is well-traveled by the community, and therefore, he expressed his preference for Geoweb for this lake bank restoration project.

Mr. Cullen agreed with Mr. Rodburg's comments, and also noted that the increase in cost for the Geoweb option is minor. He did express concern that choosing Geoweb for this project would set a precedent for future restoration projects.

Ms. Hamilton agreed with Mr. Rodburg and Mr. Cullen.

Mr. Weir commented that we are not justified to do more than what our consultant recommended at the last meeting (Geoweb on the east side and riprap on the west side); he favors this option which was chosen at the last committee meeting. He noted that every Pelican Bay resident will be paying an equal share of the cost of this project.

Ms. McLaughlin expressed her preference for the Geoweb option, based on the many voices who have strongly expressed their opposition to riprap.

Mr. Rollie Stephenson expressed concerns over grass clippings entering the lake. Mr. Mumm commented that the County's fertilizer ordinance states that fertilizer must be placed at least 10 feet away from the water's edge and also includes summer restrictions on fertilizer. Dr. Chicurel commented that he will follow up with Mr. Dave Mangan, General Manager of the Club Pelican Bay, to discuss the Club's methods of preventing grass clippings from entering their lakes.

Mr. Rodburg motioned, Mr. Cullen seconded to recommend "Option E," using only Geoweb, for \$2,031,338 (per the engineer's opinion of probable cost) for our Oakmont Lake 4-1 restoration project to the full board. Ms. McLaughlin amended the motion to add "plus a contingency cost." The motion carried 4-1, with Mr. Weir dissenting.

ADJOURNMENT

The meeting was adjourned at 10:31 a.m.

Denise McLaughlin, Chair

Minutes approved [] *as presented* OR [] *as amended* ON _____] *date*

COLLIER COUNTY PROCUREMENT SERVICES	
BID OPENING MEETING MINUTES – TABLE OF BIDS RECEIVED	
Project #:	21-7943
Project Title:	Pelican Bay Oakmont Lake 4-1 Restoration
Bid Due Date:	02/10/2022 @ 3:00 PM
UNOFFICIAL RESULTS	

The bids received on-line at the bid opening were read aloud during the Bid Opening Meeting, naming the bidder and the bid total as submitted herein as indicated below. The following Table of Bids Received is a screen shot from BidSync as viewed on-line at the Bid Opening. This is public information available on-line on BidSync.

The table of bids received below represents bid totals as entered by the bidders themselves on-line and have not been confirmed.



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Schedule Task Note
 Award Multiple Suppliers

[Go to Bid Information](#) [Tabulation Report](#) [Award Report](#)

Awarding Bid #21-7943 - Pelican Bay Oakmont Lake 4-1 Restoration

Description	Award	Supplier	Qualifications	Unit Price	Qty	Price	Head Atch.	Atch.	Docs	Offer Notes	My Notes	Reject
21-7943-01-01 - Total Bid	<input checked="" type="radio"/>	Not Awarded										
	<input type="radio"/>	Quality Enterprises USA, Inc.	[A] [D] [AA]	\$2,309,411.00	1	\$2,309,411.00						
	<input type="radio"/>	Landsore Enterprises, LLC	[D] [AA]	\$2,349,931.89	1	\$2,349,931.89						
	<input type="radio"/>	Eagle Engineering and Land Development Inc.	[D] [AA]	\$2,459,326.22	1	\$2,459,326.22						
	<input type="radio"/>	KELLY BROTHERS	[A] [D] [AA]	\$2,823,672.65	1	\$2,823,672.65						
	<input type="radio"/>	Earth Tech Enterprises, Inc.	[A] [D] [AA]	\$3,040,985.61	1	\$3,040,985.61						
	<input type="radio"/>	Douglas N. Higgins, Inc.	[A] [D] [AA]	\$4,713,296.00	1	\$4,713,296.00						

No Bid

Supplier
SOLitude Lake Management

No Bid Reason



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Recommendation to approve bid from the apparent lowest responsible and responsive bidder in the amount of \$2,309,411.00 for the Oakmont Lake 4-1 restoration construction and authorize the necessary budget amendment.

Possible benefits of monitoring water quality and sediment testing to anticipate dredging and disposal issues and to report over time on phosphorus and nitrogen buildup like Stantec* which only covers 30 of our 45 lakes.

“Consideration of dredging sediments in stormwater ponds; planting wetland vegetation in ponds to be periodically harvested to remove nutrients and possibly copper; use of alum to treat phosphorus (not generally recommended upstream of sensitive waters); use of media filters to remove copper from outfall water; or constructed treatment of wetlands to address the overall water quality improvement of the system. Aeration of stormwater ponds can also reduce TN concentrations, reducing the growth of algae, although aeration would not treat TP or copper. All of these options depend on the availability of funds and most options require some uplands in which to implement the listed options.”

For access to the 2020 Water Quality Report:

<http://www.colliercountyfl.gov/government/advisory-boards-and-authorities/pelican-bay-services-division>

*Stantec Report on Clam Bay Water Clam Bay Water Quality Analysis – Technical Memorandum Analysis of Bi-Annual Water Quality Monitoring Data for Clam Bay, January through June 2021, for Evaluation of Compliance with Numeric Nutrient Criteria, dated September 9, 2021