PELICAN BAY SERVICES DIVISION
Municipal Services Taxing & Benefit Unit

NOTICE OF PUBLIC MEETING

OCTOBER 18, 2018

THE WATER MANAGEMENT COMMITTEE OF THE PELICAN BAY SERVICES DIVISION WILL MEET AT 3:00 PM ON THURSDAY, OCTOBER 18 AT THE COMMUNITY CENTER AT PELICAN BAY, 8960 HAMMOCK OAK DRIVE, NAPLES, FL 34108.

AGENDA

1. Pledge of Allegiance
2. Roll call
3. Agenda approval
4. Approval of 08/14/18 meeting minutes
5. Audience comments
6. OLS swale problem and potential solutions
7. Status of drainage problem between the Dorchester & the Grosvenor
8. Potential lake borders/modifications for the reduction of lake algae
9. Blue tilapia lakes
10. Adjournment

*indicates possible action items

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) 597-1749 OR VISIT PELICANBAYSERVICESDIVISION.NET.
PELICAN BAY SERVICES DIVISION
WATER MANAGEMENT COMMITTEE MEETING
AUGUST 14, 2018

The Water Management Committee of the Pelican Bay Services Division met on Tuesday, August 14 at 1:00 p.m. at the SunTrust Bank Building, 801 Laurel Oak Drive, Suite 302, Naples, Florida 34108. The following members attended.

Water Management Committee
Tom Cravens, Chairman

Jacob Damouni (absent)
Mike Shepherd

Pelican Bay Services Division Staff
Neil Dorrill, Administrator
Marion Bolick, Operations Manager

Mary McCaughtry, Ops. Analyst
Lisa Jacob, Associate Project Manager
Barbara Shea, Recording Secretary

Also Present
Tom Barber, Agnoli, Barber & Brundage
Rick Swider, PBSD Board

Trent Waterhouse, Pelican Bay Foundation

APPROVED AGENDA (AS PRESENTED)

1. Pledge of Allegiance
2. Roll call
3. Agenda approval
4. Approval of 04/16/18 meeting minutes
5. Audience comments
6. *Lake remediation method recommendation
7. Evaluation of blue tilapia effectiveness (M. Bolick)
8. Status of solar powered aerators (M. Bolick)
9. Evaluation of effectiveness of aerators in algae control
10. Discussion of algae control methods
11. *Recommendation regarding evaluation of storm sewer lines
12. Discussion of the value of collection of water chemistry data
13. Alternatives to existing boat ramps

ROLL CALL
Mr. Damouni was absent and a quorum was established

AGENDA APPROVAL
Mr. Shepherd motioned, Mr. Cravens seconded to approve the agenda as presented. The motion carried unanimously.
APPROVAL OF 04/16/18 MEETING MINUTES

Mr. Shepherd motioned, Mr. Cravens seconded to approve the 04/16/18 meeting minutes as presented. The motion carried unanimously.

AUDIENCE COMMENTS

None.

LAKE REMEDIATION METHOD RECOMMENDATION

Mr. Cravens commented on the four methods of lake bank remediation, with varied costs, as presented by Agnoli, Barber & Brundage to the committee last year. At that time, the committee chose the St. Thomas/St. Martin lake 2-9 as the first lake for lake bank remediation. Mr. Shepherd commented that the Budget Committee has included $500,000 in the FY19 budget for this purpose, and a similar amount will be accrued in subsequent years for the repairs of additional lake banks.

Mr. Tom Barber, consultant with AB&B, reported on the completion of a survey of lake 2-9 and recommended three different types of repairs for separate parts of the lake bank which included (1) a sheet pile wall, (2) Geoweb, and (3) turf mat, with a total estimated cost of $340,538.

Mr. Shepherd motioned, Mr. Cravens seconded to recommend to the full board that we proceed with repair of lake 2-9 using the wall repair feasibility summary as was presented with an estimated cost of $340,000 and will come up for secondary approval when we know the actual cost. The motion carried unanimously.

EVALUATION OF BLUE TILAPIA EFFECTIVENESS AND OTHER METHODS OF ALGAE CONTROL

Mr. Cravens commented on the PBSD’s stocking blue tilapia in 20 lakes (in April/May 2018) to determine their effectiveness in algae control. Mr. Bolick provided before and after photos of ten of these lakes. The committee noted that these photos show a significant reduction in algae, although some algae can still be observed on these lakes. Mr. Cravens suggested that a few additional months are needed to evaluate the effectiveness of the blue tilapia.

The committee discussed the current methods of PBSD algae control, including aerators, bacteria, and chemicals. Mr. Shepherd suggested that other methods should be looked at, including alum and copper sulfate. Mr. Cravens commented on his opposition to the use of copper sulfate, and suggested that many PB residents would be opposed to it. Mr. Shepherd and Mr. Cravens suggested that staff contact a vendor to provide a proposal for a trial use of alum in one PB lake. Mr. Trent Waterhouse suggested that the PBSD urge PB homeowners’ associations to self-fund additional installations of blue tilapia in their respective lakes.

RECOMMENDATION REGARDING EVALUATION OF STORM SEWER LINES
Ms. Jacob commented on recent inspections of stormwater pipes by Envirowaste. She has not received any video footage from their completed work, nor has she received a proposal for additional work that was requested.

Mr. Shepherd commented that he would like to include an estimate for inspecting and documenting all Pelican Bay stormwater piping as part of a possible PBSD/County debt financing package. This information would be used to request the associated repairs from the County Road & Bridge Dept.

Mr. Dorrill commented that staff will (1) obtain an estimate of the total length of pipe within the six PB drainage basins from AB&B, and (2) contact the County Procurement Dept. to determine whether the PBSD can hire another pipe inspecting contractor, if the two County contractors are non-responsive.

The committee requested that staff provide the video of the stormwater pipes, taken by Envirowaste, to the PBSD Board at the October board meeting.

THE VALUE OF COLLECTION OF WATER CHEMISTRY DATA
The committee discussed whether to continue spending $50,000 annually for the collection and analysis of water chemistry data from Pelican Bay lakes and decided to bring this issue to the PBSD Board at the October board meeting.

ALTERNATIVES TO EXISTING BOAT RAMPS
Not discussed

ADJOURNMENT

The meeting was adjourned at 2:13 p.m.

Tom Cravens, Chairman

Minutes approved [ ] as presented OR [ ] as amended ON ____________________________ date
Basin 1 Lake 8 Naples Grand (Back)

Basin 2 Lake 1 Ridgewood Park
Basin 2 Lake 6 Hyde Park

Basin 2 Lake 7 Chateaumere
Basin 3 Lake 3 St. Andrews

Basin 3 Lake 5 The Club – Clubhouse
Basin 3 Lake 7 The Club -- Pelican 8

Basin 4 Lake 1 Oakmont Lake
Basin 4 Lake 2 The Club – Jamestown

Basin 4 Lake 3 Isle Verde
Basin 4 Lake 10 The Club – Irrigation Lagoon

Basin 5 Lake 10 Bay Colony
Basin 2 Lake 2 Ridgewood Park – Test Lake

Basin 5 Lake 1 Community Center – Test Lake