

PELICAN BAY SERVICES DIVISION
Municipal Services Taxing & Benefit Unit

NOTICE OF PUBLIC MEETING

WEDNESDAY, JULY 8, 2020

THE PELICAN BAY SERVICES DIVISION BOARD WILL MEET AT 1 PM ON JULY 8 AT THE FIFTH FLOOR TRAINING ROOM, BUILDING F, COLLIER COUNTY GOVERNMENT CENTER, 3299 TAMIAMI TRAIL EAST, NAPLES, FL.

AGENDA

1. Pledge of Allegiance
2. Roll Call
3. Agenda approval
4. Approval of 06/10/20 Regular Session meeting minutes
5. Audience Comments
6. Chairman's Comments
7. Administrator's Report
 - a. Lake 2-9
 - b. Dune Swale
 - c. FY 2021 Budget
 - d. SunTrust Lease
 - e. Monthly Financial Statement
8. Committee Reports
 - a. Ad-Hoc Strategic Planning Committee
 - i. *Presentation and approval of conceptual site plan and renderings for maintenance operations facility
 - ii. *Approval to procure architectural and engineering services
 - b. Landscape & Safety Committee
 - i. *Sidewalks Phase I Proposed Timeline
 - c. Water Management Committee
 - d. Clam Bay
9. Financing for long-term capital projects
10. Old Business
11. New Business
12. 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.

**PELICAN BAY SERVICES DIVISION BOARD REGULAR SESSION
JUNE 10, 2020**

The Pelican Bay Services Division Board met on Wednesday, June 10, 2020, at 9:00 a.m. at the Board of County Commissioners Chambers, third floor, Collier County Government Center, 3299 Tamiami Trail East, Naples, Florida 34108.

In attendance were:

Pelican Bay Services Division Board

Michael Fogg, Chairman
Joe Chicurel, Vice-Chairman
Tom Cravens (*absent*)
Jacob Damouni
Nick Fabregas

Peter Griffith
Denise McLaughlin
Susan O'Brien
Scott Streckenbein
Rick Swider
Michael Weir

Pelican Bay Services Division Staff

Neil Dorrill, Administrator
Chad Coleman, Operations Manager

Lisa Jacob, Project Manager
Barbara Shea, Administrative Assistant

Also Present

Mohamed Dabees, Humiston & Moore

Mark Isackson, County OMB Dept.
Trent Waterhouse, Pelican Bay Foundation

APPROVED AGENDA (AS PRESENTED)

1. Pledge of Allegiance
2. Roll Call
3. Agenda approval
4. Approval of 03/11/20 Regular Session meeting minutes
5. Audience Comments
6. *Election of new chair and vice chair
7. *FY2021 Budget
8. *Loan
9. Adjournment

ROLL CALL

Mr. Cravens was absent and a quorum was established

CHAIRMAN'S COMMENTS

Mr. Streckenbein commented that he is hopeful that the July board meeting will be held in the PBF Community Center.

BOARD MEMBER COMMENTS

Ms. McLaughlin requested updates on the status of all PBSB projects, the hiring of the Associate Project Manager, a future joint PBF/PBSB meeting, and items generally included in the "Administrator's Report." Ms. O'Brien commented that these issues are critical, and suggested that staff provide the board with an e-mailed update on these items in the next week.

AGENDA APPROVAL

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

APPROVAL OF 03/11/2020 REGULAR SESSION MEETING MINUTES

Ms. O'Brien motioned, Mr. Damouni seconded to approve the 03/11/2020 regular session meeting minutes as amended. The motion carried unanimously.

AUDIENCE COMMENTS

Mr. Mark English commented on financing options, terms, and rates that the PBSB should consider in order to finance its long-term projects.

ELECTION OF NEW CHAIR AND VICE CHAIR

Dr. Chicurel nominated Mr. Streckenbein to serve as Chair of the PBSB Board. Mr. Weir seconded the nomination. Ms. O'Brien nominated Mr. Fogg to serve as Chair of the PBSB Board. Ms. McLaughlin seconded the nomination. Mr. Streckenbein responded that he would not accept the nomination. Mr. Fogg responded that he would accept the nomination.

Ms. O'Brien motioned, Ms. McLaughlin seconded to nominate Mr. Fogg to serve as Chair of the PBSB Board. The motion carried unanimously.

Ms. O'Brien nominated Ms. McLaughlin to serve as Vice-Chair of the PBSB Board. Mr. Fogg seconded the nomination. Mr. Streckenbein nominated Dr. Chicurel to serve as Vice-Chair of the PBSB Board. Mr. Damouni seconded the nomination. Both Ms. McLaughlin and Dr. Chicurel responded that they were willing to accept the nomination.

Dr. Chicurel was approved to serve as the Vice-Chair of the PBSB Board, by a vote of 6-3.

FY2021 BUDGET – COMMENTS FROM MR. DORRILL

Mr. Dorrill made overall comments on the FY2021 budget documents included in the agenda packet including (1) the non-ad valorem assessment will decrease slightly from \$761.51 in FY2020 to \$760.14 in FY2021, (2) the ad valorem millage rate will stay the same, (3) the carryforward at FY2020 year end is expected to increase by \$1.3 million, and (4) the County will provide a contribution of \$670,000 to the PBSB in FY2021 for sidewalk construction, sidewalk maintenance, and Clam Bay. He noted that our proposed budget has been preliminarily reviewed by the County Manager's Office and the County's Budget Office. Mr. Dorrill will present our

**Pelican Bay Services Division Board Regular Session
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budget to the Board of County Commissioners at the annual budget hearing to be held on June 18, followed by the adoption of the budget by the BCC in early September.

Mr. Dorrill commented that County Attorney Klatzkow has informed us that existing funds in our Fund 778 (streetlight fund) can be used for other purposes other than streetlight replacement by amending our PBSO ordinance.

Mr. Dorrill reported that we have received the 2020 annual beach survey report draft, which indicates that Pelican Bay beach widths are essentially the same as last year. He noted that Dr. Dabees has indicated that there is “an enormous amount of sand in the system” in the Pelican Bay area, and therefore, he does not expect a beach renourishment truck haul project for at least two years. Ms. O’Brien commented that a future beach renourishment project may cost up to \$2.5 million.

Mr. Dorrill commented that October 2020 is the earliest a contract could be awarded for our sidewalk project. If this were the case, an initial construction phase could begin in the fall, followed by a construction shut down during the winter season. Mr. Weir commented that he is not in favor of shutting down construction during season. Mr. Streckenbein commented that a “winter shut down” is not set in stone.

FY2021 BUDGET – COMMENTS FROM BOARD MEMBERS

Highlights from comments by Mr. Fogg on the FY2021 proposed budget included (1) carryforwards are conservatively estimated in the proposed budget, (2) the proposed reserves are appropriate, as these funds will be needed in the future, and (3) a board decision is needed on whether to repurpose the existing funds in Fund 778.

Ms. O’Brien commented that the proposed budget includes disaster relief amounts of \$680,000 and suggested that this reserve be removed as we have adequate reserves without this additional reserve. She commented that in FY2017, FY2018, and FY2019, we spent approximately 80% of budgeted expenses in Fund 109. She suggested that the budgeted \$150,000 engineering expense for the Oakmont Lake lake bank remediation project included in the Fund 322 budget be removed, and instead, be included in the loan proceeds for lake bank projects. Ms. O’Brien suggested that at the County’s June budget workshop, Mr. Dorrill informs the BCC that no board decision has been made on seeking a \$17 million loan.

Ms. McLaughlin commented that she is in favor of keeping all of the reserves as presented in the proposed FY2021 budget. She suggested that future residents should also pay for our investments in capital improvements.

Mr. Swider commented that in light of our capital project needs, any reduction in our assessment is counterproductive. He suggested that (1) we need a long-term plan for our capital projects, (2) we need an understandable cash flow statement, and (3) we need a formal reserve policy.

Mr. Griffith motioned, Mr. Weir seconded to approve the FY2021 budget as requested. The motion carried 8-2, with Ms. O’Brien and Mr. Swider dissenting.

THE BOARD TOOK A BREAK FROM 10:40 AM UNTIL 10:45 AM

LOAN

Mr. Dorrill reported that the current financing proposed by the County’s Office of Management and Budget is for a loan, up to \$17 million, up to ten years, with a taxable interest

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rate, to be determined. He noted that all projects would need to be completed in less than three years in order for the loan to obtain a “tax-free interest rate” status. Mr. Mark Isackson, County OMB Director, commented on options available to finance PBSD long-term projects. Highlights of his discussion included:

- It is recommended that cash on hand is used prior to obtaining debt financing.
- The County’s AAA credit rating will result in a good low interest rate.
- Specific types of available debt include (1) line of credit with a variable interest rate, with a rolling five-year term, (2) line of credit, competitively bid, with a variable rate, and (3) term loan, competitively bid, with a fixed interest rate.
- Financing options need to be discussed at a future date when projects are ready to go and existing reserves on hand at that time can be assessed.
- The term of the debt could be up to 15 years, not longer.
- The County’s debt management policy states that the term of financing cannot be less than the useful life of the asset.
- The County generally recommends reserves of 15% - 30% of the division’s budget.
- A referendum could be considered, which would allow for property taxes to pay off the debt; interest rates are lower when backed by ad valorem taxes.
- Taking a “hard look” at how much of existing cash can be used for capital projects is recommended.

Mr. Fogg suggested that we draft an amendment to our ordinance to repurpose funds in Fund 778 for other uses. Ms. O’Brien commented that County Attorney Klatzkow has provided an opinion that we have the latitude to use Fund 778 for other purposes, and therefore, a board vote is not required to do this. Mr. Dorrill commented that Mr. Klatzkow’s e-mail will be included in the July board meeting agenda packet.

Mr. Mark English recommended that the PBSD does not obtain debt financing with a variable rate, as we are currently in an environment of record low interest rates. He suggested that we “shop” our debt to brokerage firms as well as banks.

PBSD WEBSITE

Mr. Dorrill commented that our former PBSD website has been shut down. The number of documents posted on the site is in violation of the website host’s data policy. He reported that we now have a web page on the County’s website, and that we have requested that a document portal be added to our web page. Ms. O’Brien suggested that we explore all options to obtain our own website, and to obtain a legal opinion on this issue, where appropriate. Mr. Dorrill noted that our board and committee agenda packets and approved meeting minutes are posted on the Clerk’s website. Mr. Fogg requested that Mr. Dorrill provide an update on this issue at the next board meeting.

UPDATE ON STAFF ISSUES

Mr. Dorrill reported that Operations Analyst Sarah Hamilton has transferred back to the Procurement Dept., and that staff is in the interview process to hire a replacement.

Mr. Dorrill reported that hopefully our Assistant Project Manager position will be posted on the County website this week. This posting had been delayed due to lack of office space in the existing PBSD Office.

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Mr. Dorrill commented that two PBSB employees have tested positive for Covid-19, having no symptoms. He requested that board members limit contact with the PBSB Operations building.

ADJOURNMENT

The meeting was adjourned at 11:43 a.m.

Michael Fogg, Chairman

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

Pelican Bay Services Division

2020/2021 Committees

Budget:	Fogg (Chair), Chicurel, Fabregas, McLaughlin, Streckenbein
Clam Bay:	O'Brien (Chair), Swider, Weir
Landscape and Safety:	Chicurel (Chair), Fabregas, Griffith, Swider, Weir
Water Management:	McLaughlin, Cravens, Damouni, Streckenbein, Weir
AD Hoc Strategic Planning:	Fogg (Chair), Chicurel, Fabregas, McLaughlin

Watergate Ad Hoc Committee

Background

County owns 12 acre site. Site houses County's main sewage pump station for Pelican Bay and its irrigation water processing and storage facilities exclusively used to provide irrigation water to Pelican Bay. PBSD has undocumented lease to a portion of the site to conduct its maintenance activities - which includes a maintenance building. All changes to the site have to be approved by the PBF. Site is land-locked and is accessed via easement on a non-county standard road on property owned by Club Pelican Bay.

1. Agreement maintenance building needs to be replaced
2. Researched possible future uses of site:
 - PBF, no plans
 - PBSD, no plans
 - County, no plans
3. Non-standard quality of road, extensive use of road by maintenance equipment and large trucks, constant golf cart crossing traffic make access to site on Watergate Way by general population unfeasible. No alternative access available.
4. PBSD and PBF are in agreement that use of the site should be for activities which are only for the direct benefit to residents of Pelican Bay.
5. Site of proposed new building does not restrict access to the unused portion of the site should appropriate future uses develop.
6. Site of proposed new building (adjacent to and west of existing building) Should no new line of site issues and may actually improve line of sight for some high rise residents.

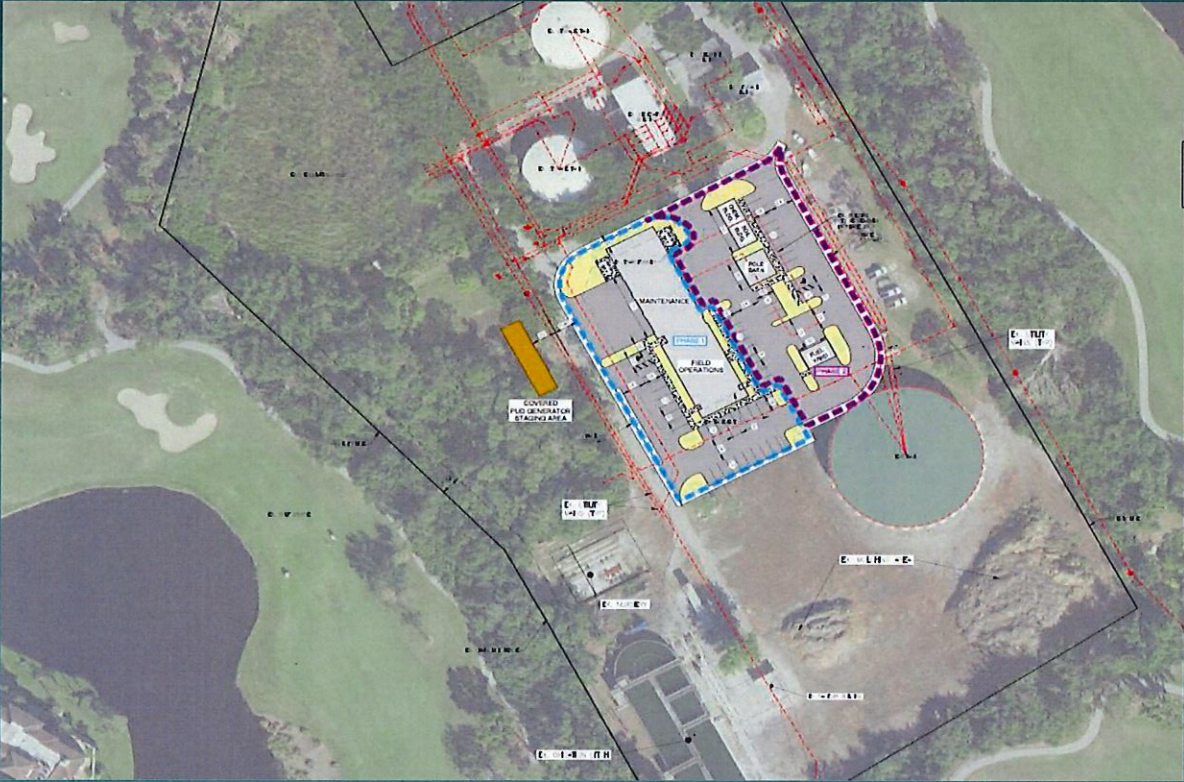
7. Building to be designed to act as recovery center in the event of natural disasters - back-up power, additional indoor equipment storage, etc.,.
8. Conceptual plan calls for a 10,500 sq. ft. Building (vs the current 4,700 sq. ft.) - exploring ways to reduce footprint.
9. Current estimated cost, excluding site work approx. \$2.0 million.
10. Considered co-locating admin. functions on site but concluded against:
 - need certain amount of space in public accessible location (operations building is not accessible) for:
 - "Front Door" to community
 - Meetings with residents
 - Public meetings
 - opportunity to share space with PBF projecting combined approach to providing community services.

Pelican Bay Services Public Utilities Site

June 29, 2020

Public Utilities Division
Solid & Hazardous Waste Management Department

Overall Site



Pelican Bay Facility Site – 3D

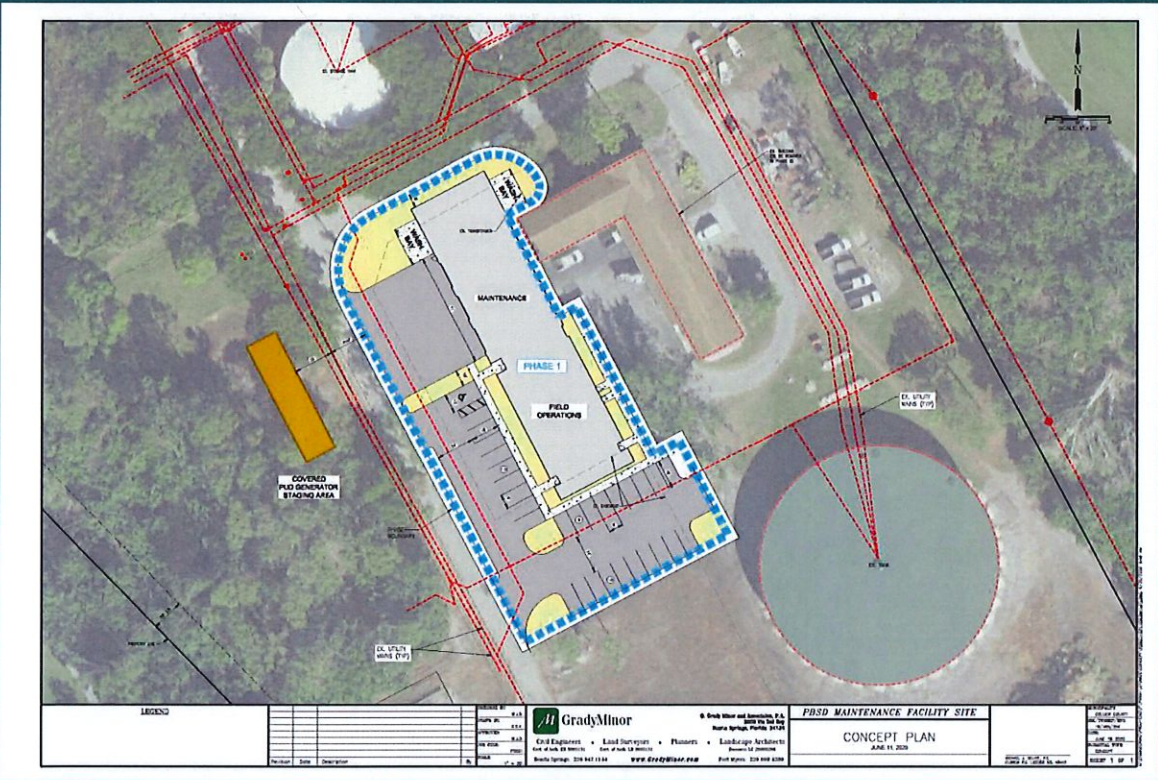
Agenda item #8a.2
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Pelican Bay Facility Site

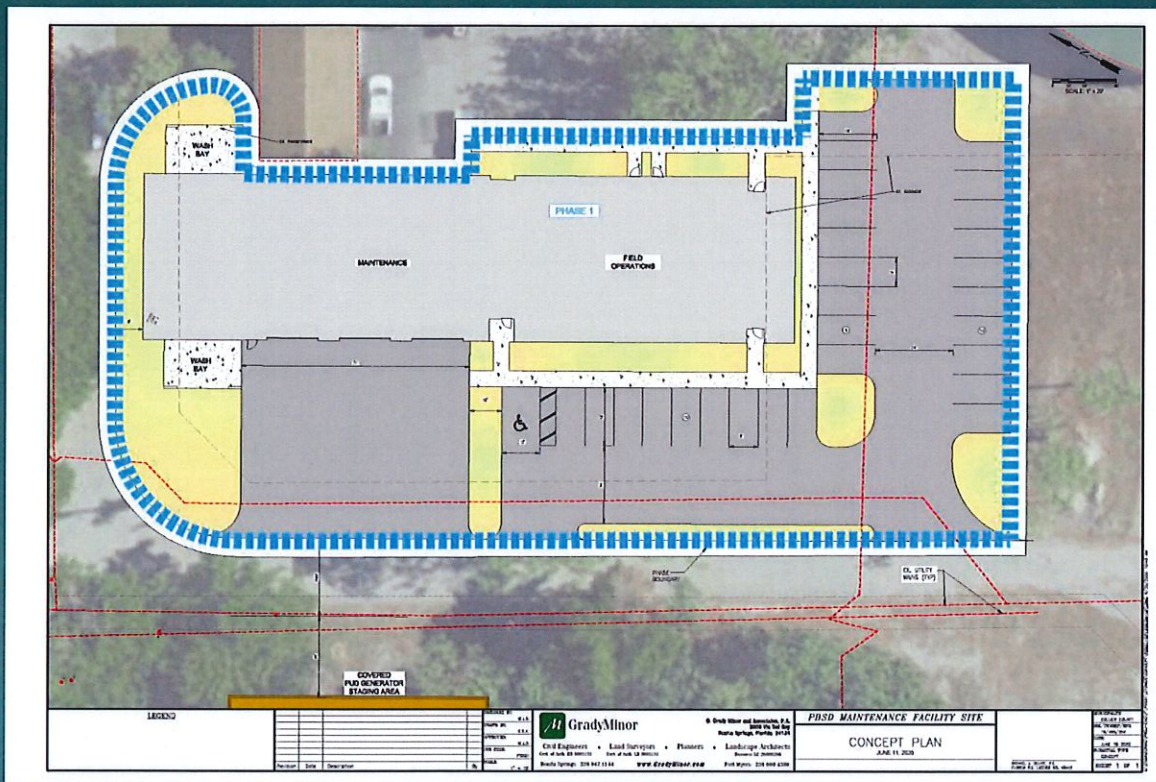
3D Perspective



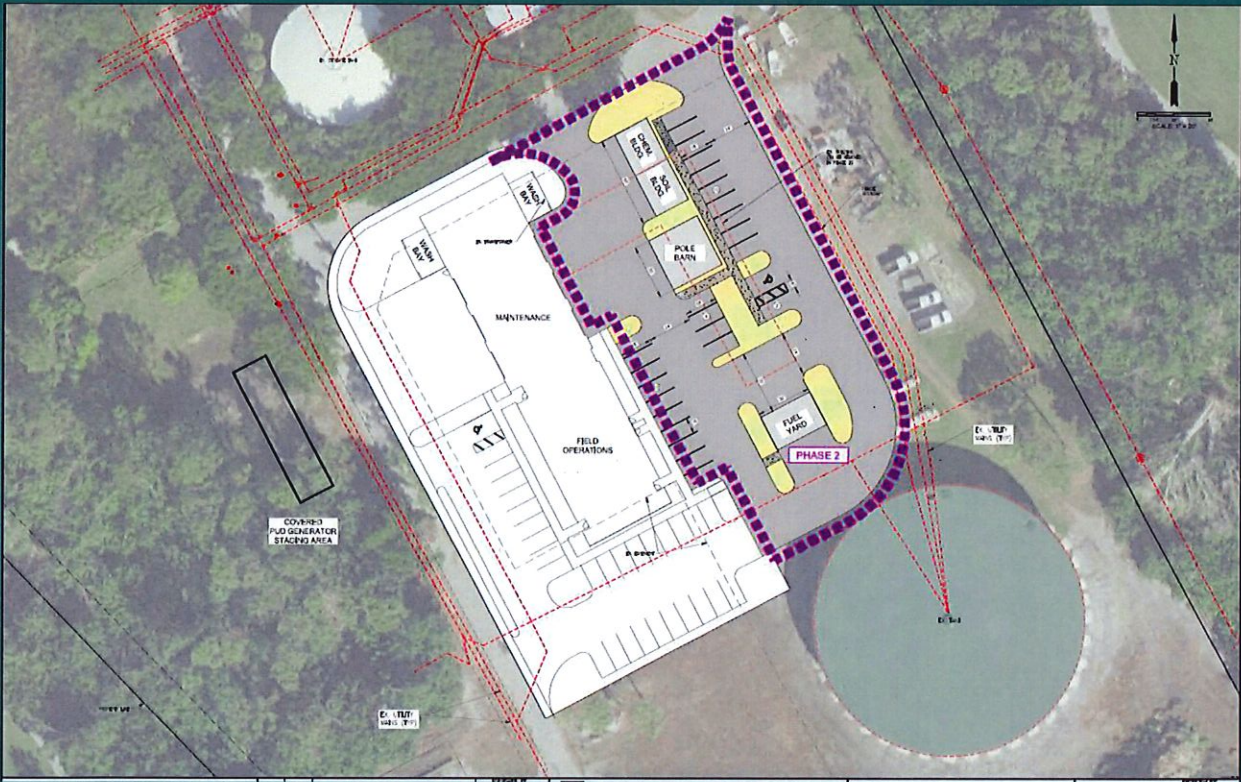
Phase 1



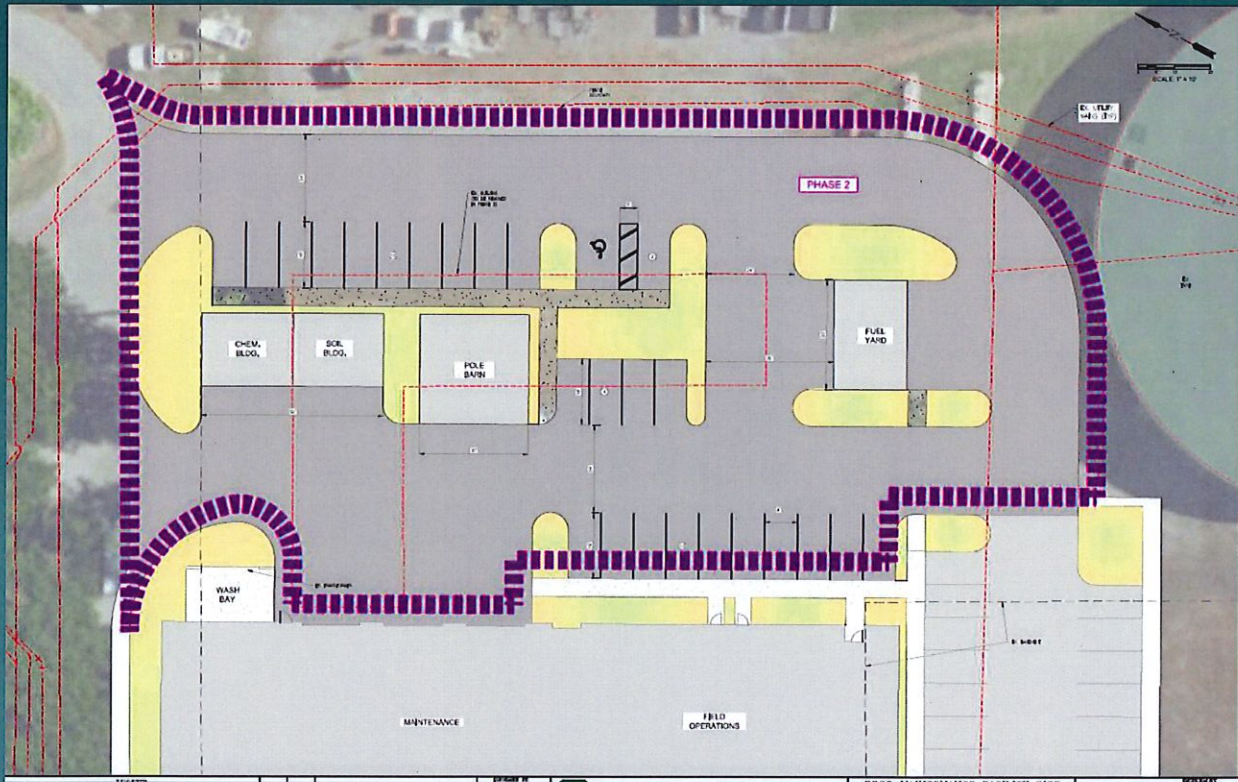
Phase 1



Phase 2



Phase 2

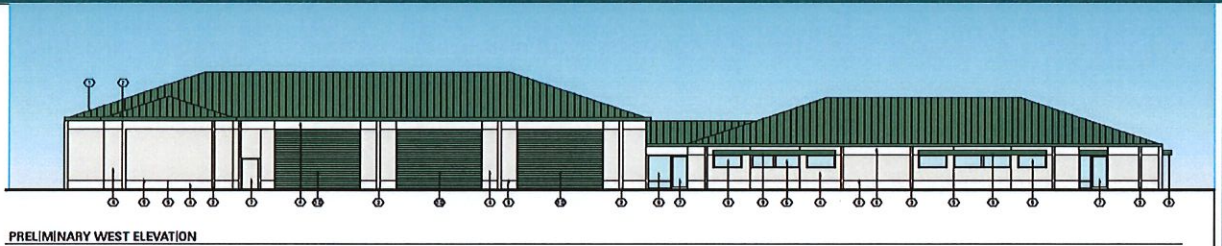


Rendering

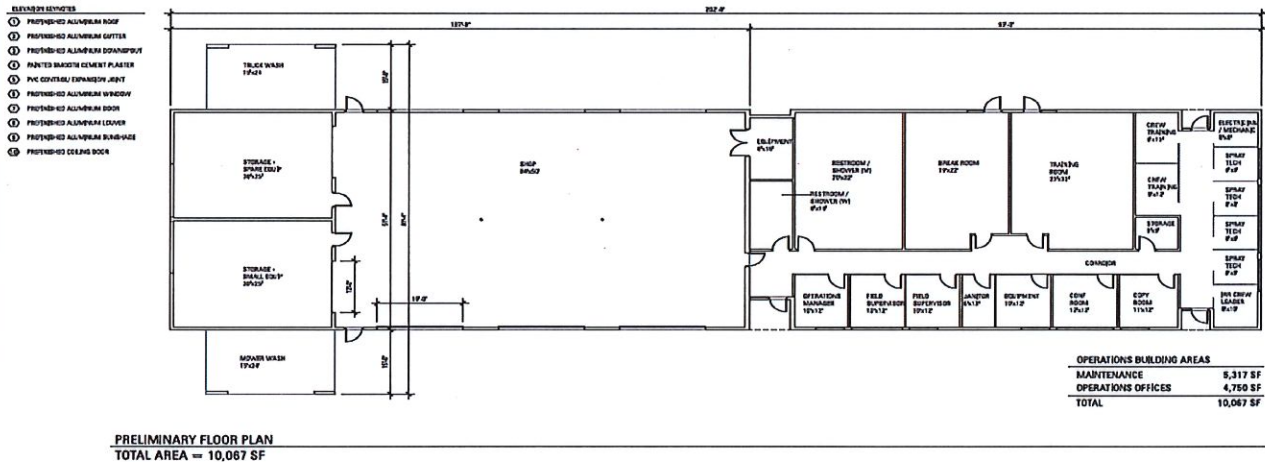


Pelican Bay Services District Operations Building

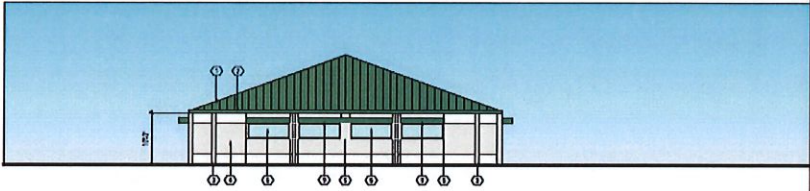
Elevations



PRELIMINARY WEST ELEVATION



Elevations

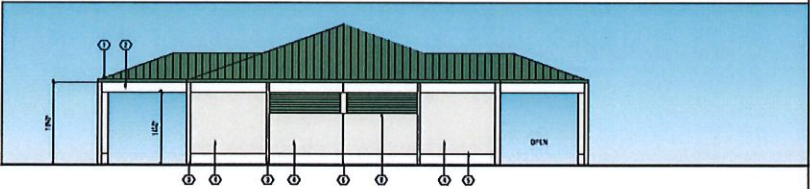


PRELIMINARY SOUTH ELEVATION



PRELIMINARY EAST ELEVATION

- BUILDING KEYNOTES**
- ① PREFINISHED ALUMINUM ROOF
 - ② PREFINISHED ALUMINUM GUTTER
 - ③ PREFINISHED ALUMINUM DOWNSPOUT
 - ④ PAINTED SMOOTH CEANMENT PLASTER
 - ⑤ PVC CONTROL/EXPANSION JOINT
 - ⑥ PREFINISHED ALUMINUM WINDOW
 - ⑦ PREFINISHED ALUMINUM DOOR
 - ⑧ PREFINISHED ALUMINUM LOUVER
 - ⑨ PREFINISHED ALUMINUM EUNDSHADE
 - ⑩ PREFINISHED CEILING DOOR



PRELIMINARY NORTH ELEVATION

Schedule

TASK	ACTIVITY	COST	START	FINISH	2020				2021				2022					
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
1	Presentation to the Pelican Bay Foundation	\$0	Jul-20	Jul-20														
2	Design	\$150,000	Aug-20	Dec-20														
3	Permitting	\$20,000	Jan-21	Jun-21														
4	Procurement of Contractor ¹	\$0	Jul-21	Oct-21														
5	Construction	\$2,000,000	Nov-21	Jul-22														

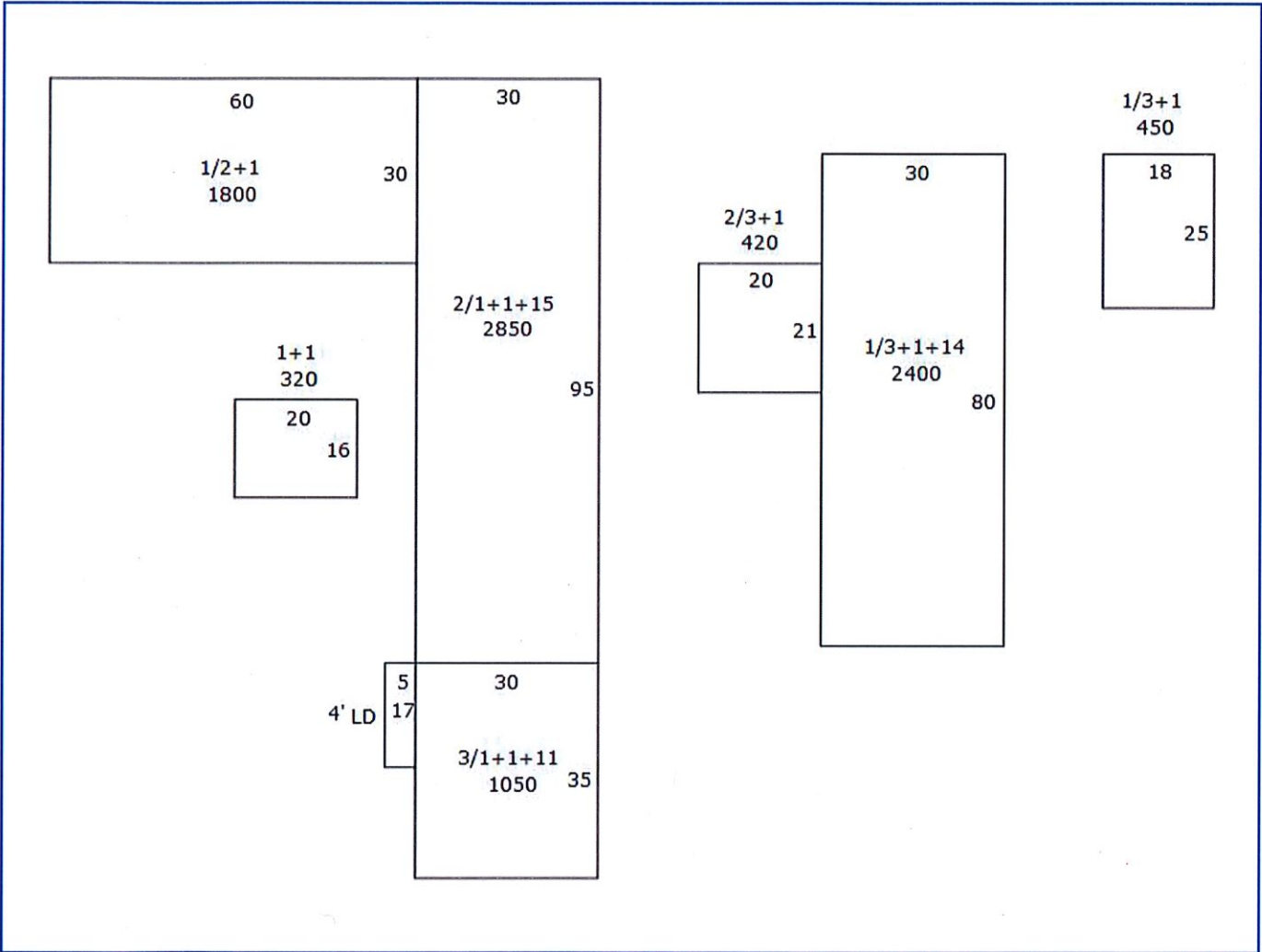
Total Project Cost: \$2,170,000

¹This will be a ITB with BCC Approval

Selection of Architect will be off of the new Architect contract .

Selection of CEI will be off of the new Civil Engineering contract .

Collier County Property Appraiser



PBSD Operations Building

Space Requirements (main building)

1. Current maintenance/storage area is approx. 3000 sq. ft. (not including elevated storage area) and admin space is approx. 2000 sq. ft. for a total of 5000 sq. ft.
2. Proposed admin space is 4800 sq. ft. Looking to reduce this to 4,000 sq. ft. by combining break room and training room and utilizing a more open plan design. Est. Cost of admin. construction is \$200 per sq. ft.
3. Workshop and supply storage takes up about 500 - 600 sq. ft. Of the maintenance area leaving 2300 sq. ft. for equipment storage.
4. Footprint of equipment stored in current maintenance area is 1100 sq. ft. (a 2:1 ratio total space to stored equipment). A list of the equipment and estimated footprint is attached. Space is extremely tight and equipment has to be parked in a pre-determined pattern which is difficult and inefficient. Staff believe a 3:1 ratio appropriate.
4. A lot of equipment is not able to be stored in the current facility. A list of that equipment with estimated footprint is attached. The footprint of that equipment is estimated at 400 sq.ft.
5. Using an estimated equipment storage footprint of 1500 sq. ft. And a ratio of between 3:1 suggest a requirement for 4500 sq.ft .of storage space. Add workshop and supply storage of 600 sq.ft. for a total of 5100 sq. ft. Current proposal is for 5250 sq.ft. Cost of maintenance/storage construction is \$70 per sq. ft.

EQUIPMENT DIMENSIONS (W x L)

4 - 52 inch zero turn mowers

55" X 90"

2 - 48 inch walk behind mowers

50" X 80"

1 - 52 inch zero turn spreader

55" X 97"

1 - stump grinder

32" X 102"

1 - 60 inch kunz mower

80" X 86"

1 - 48 inch stand on mower

50" X 80"

1 - stand on blower

40" X 62"

1 - stand on spreader

35" X 61"

2 - turbine blower

48" X 102"

1 - four seater golf cart

43" X 110"

1 - six seater golf cart

43" X 145"

4 - two seater kubota rtv

63" X 123"

2 - four seater kubota rtv

63" X 143"

2 - two seater bobcat utv

63" X 121"

1 - two seater john deere utv

54" X 116"

1 - arrow board

72" X 138"

1 - barber surf rake

102" X 165"

1 - tree chipper

66" X 160"

2 - sprayer tanks

43" X 53"

1 - sprayer tank

40" X 40"

1 - water tank

36" X 48"

1 - ice maker

32" X 40"

1 - bobcat skid steer

75" X 145"

2 - skid steer attachment

39" X 43"

1 - skid steer attachment

50" X 52"

1 - skid steer attachment

50" X 83"

1 - billy goat leaf vacuum

26" X 62"

1 - air compressor

26" X 30"

SPACE DIMENSIONS (W x L)

workspace

20' X 20'

equipment cage storage

10' X 20'

water rack

4' X 4'

flammable cabinet

3' X 8'

Waste Oil Collection Spill Pallet

3' X 6'

EQUIPMENT DIMENSIONS (W x L)

4 - 52 inch zero turn mowers

55" X 90"

2 - 48 inch walk behind mowers

50" X 80"

1 - 52 inch zero turn spreader

55" X 97"

1 - stump grinder

32" X 102"

1 - 60 inch kunz mower

80" X 86"

1 - 48 inch stand on mower

50" X 80"

1 - stand on blower

40" X 62"

1 - stand on spreader

35" X 61"

2 - turbine blower

48" X 102"

1 - four seater golf cart

43" X 110"

1 - six seater golf cart

43" X 145"

4 - two seater kubota rtv

63" X 123"

2 - four seater kubota rtv

63" X 143"

2 - two seater bobcat utv

63" X 121"

1 - two seater john deere utv

54" X 116"

1 - arrow board

72" X 138"

1 - barber surf rake

102" X 165"

1 - tree chipper

66" X 160"

2 - sprayer tanks

43" X 53"

1 - sprayer tank

40" X 40"

1 - water tank

36" X 48"

1 - ice maker

32" X 40"

1 - bobcat skid steer

75" X 145"

2 - skid steer attachment

39" X 43"

1 - skid steer attachment

50" X 52"

1 - skid steer attachment

50" X 83"

1 - billy goat leaf vacuum

26" X 62"

1 - air compressor

26" X 30"

SPACE DIMENSIONS (W x L)

workspace

20' X 20'

equipment cage storage

10' X 20'

water rack

4' X 4'

flammable cabinet

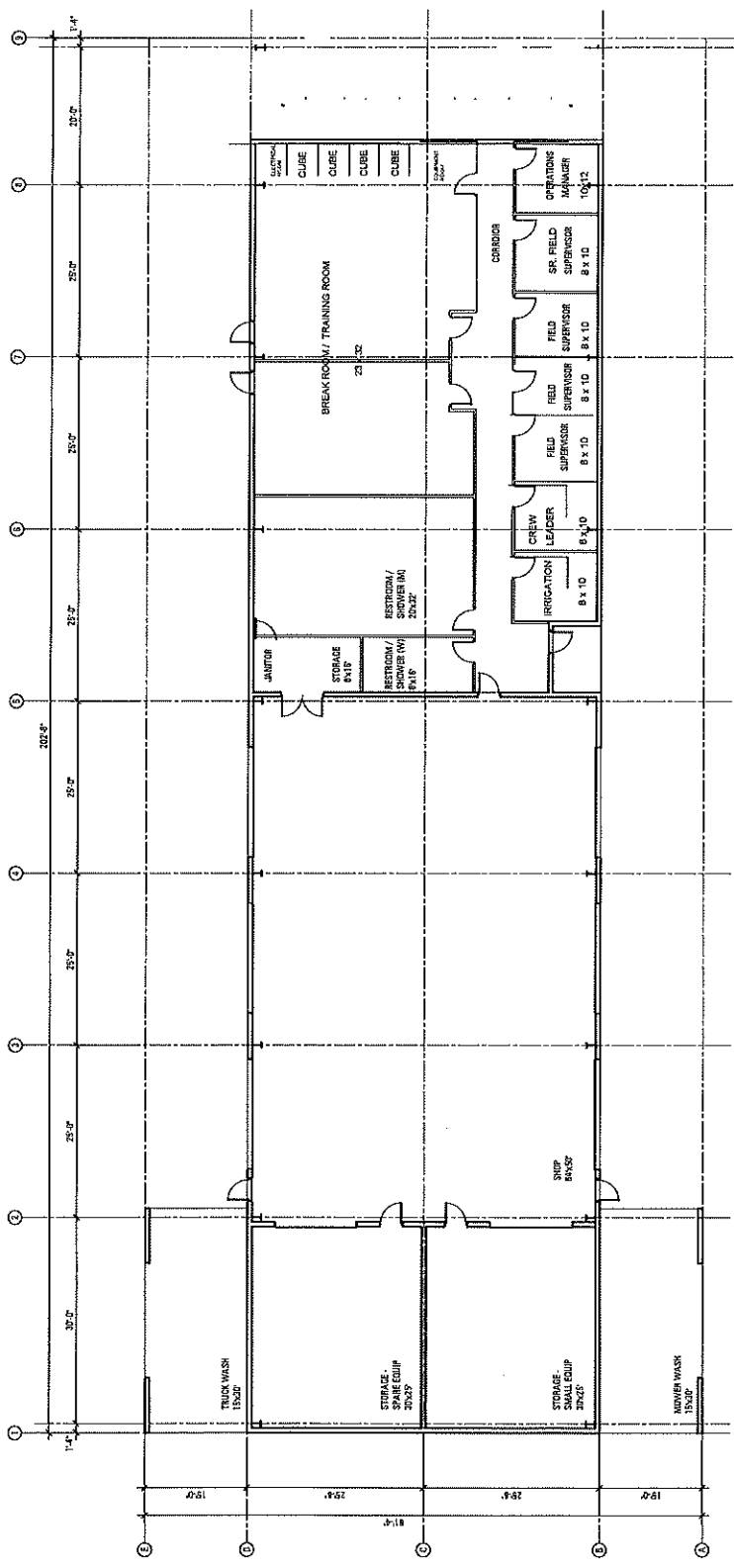
3' X 8'

Waste Oil Collection Spill Pallet

3' X 6'

quantity	equipment	size/Inches	square feet
4	52 inch zero turn mowers	55" X 90"	138
2	48 inch walk behind mowers	50" X 80"	56
1	52 inch zero turn spreader	55" X 97"	37
1	stump grinder	32" X 102"	23
1	60 inch kunz mower	80" X 86"	48
1	48 inch stand on mower	50" X 80"	28
1	stand on blower	40" X 62"	17.2
1	stand on spreader	35" X 61"	15
2	turbine blower	48" X 102"	68
1	four seater golf cart	43" X 110"	33.1
1	six seater golf cart	43" X 145"	43.2
4	two seater kubota rtv	63" X 123"	220
2	four seater kubota rtv	63" X 143"	126
2	two seater bobcat utv	63" X 121"	106
1	two seater john deere utv	54" X 116"	44
1	arrow board	72" X 138"	72
1	barber surf rake	102" X 165"	117
1	tree chipper	66" X 160"	73.3
2	sprayer tanks	43" X 53"	32
1	sprayer tank	40" X 40"	11
1	water tank	36" X 48"	12
1	ice maker	32" X 40"	9
1	bobcat skid steer	75" X 145"	75.5
2	skid steer attachment	39" X 43"	12
1	skid steer attachment	50" X 52"	18.2
1	skid steer attachment	50" X 83"	29
1	billy goat leaf vacuum	26" X 62"	11.4
1	air compressor	26" X 30"	5.5
	workspace		400
	water rack		16
	equipment cage storage		200
	water rack		16
	flammable cabinet		24
	Waste Oil Collection Spill Pallet		18

2154.4 Total



OPERATIONS BUILDING AREAS	6,507 SF
MAINTENANCE OPERATIONS OFFICES	4,000 SF
TOTAL	10,507 SF

PRELIMINARY PLAN - OPERATIONS BUILDING





Clam Bay Update-July 2020

Clam Bay. Updates on spring mangrove monitoring, annual hand-dug channel maintenance, and a plan to begin the removal of scaevola, a type 1 exotic in the coastal scrub, are expected at the next Clam Bay Committee meeting.

Clam Pass. Per the attached FDEP's Notice to Proceed, the mouth of Clam Pass (Section A) was mechanically dredged and some grading of the south bank and filling of the northern bank was completed by PBSB staff at PBSB expense in April. PBSB paying the cost (about \$20,000) of this dredging event rather than requesting Tourist Development Funds is not the customary practice. Also this dredging event was not approved by the PBSB Board and BCC as stipulated in the Clam Bay NRPA Management Plan (attached page 43 the Management Plan). A bathymetric survey completed in May 2020 shows 2113 cubic yards of sand in Section B, less than the upper limit target of 2500 yards of cubic sand; Section C had 3139 cubic yards of sand, less than the upper limit target of 4000 cubic yards of sand. Recent tidal ratios at markers 4 and 14 were above .7 which is very good.

Water Quality.

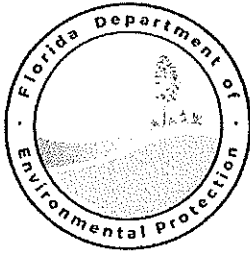
Total phosphorus and total nitrogen. The 2019 annual water quality report found Total Nitrogen in compliance with the site-specific standard for Clam Bay. Total Phosphorus was out of compliance so a top priority for 2020 continues to be to develop strategies for addressing the high phosphorus levels in Clam Bay. The WQ report for TP and TN data for January, February, and March 2020, received from the County Lab on April 14, 2020, has not been completed.

Copper. Per the annual water quality report, copper results for 2019 were excellent with only one of 108 samples exceeding the allowable limit.

Beach Renourishment. Results of the County's annual beach survey were received on June 4. The beach widths of Pelican Bay's beach (R-31 through R-41) are attached. The widths of many of these sections are less than the recommended width of 100 feet. Per Gary McAlpin, there is no County truck haul program in 2020 in which Pelican Bay can participate. These results were shared with Pelican Bay Foundation representatives on June 7. The U.S. Army Corps report on beach resiliency has been delayed until at least July. The earliest date for a possible beach resiliency program in Collier County is 2025, and if PB opts to participate in the program, the estimated cost may be about \$1.75 million.

Clam Bay Committee. The Clam Bay Committee will meet when an appropriate meeting location is available.

Prepared by Susan O'Brien
July 1, 2020



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE TO PROCEED

PERMITTEE:

Collier County
Attn W. Neil Dorrill, Administrator
Pelican Bay Service Division
801 Laurel Oak Drive, Suite 605
Naples, Florida 34108

PROJECT: Clam Pass Maintenance Dredging

PERMIT NUMBER: 0296087-001-JC

PERMIT EXPIRES: August 14, 2027

You are hereby granted final authorization to proceed with the construction or activities authorized by the permit number referenced above, **ONLY for the activities mentioned below. A separate NTP will be required for any other activity that is covered under the referenced permit.** Authorized work must conform to the detailed project description, approved permit drawings, and all conditions including preconstruction requirements included in the permit. A brief description of the authorized work follows:

Project Description:

The project is to restore the alignment of Clam Pass to the approved design template in order to maintain tidal exchange between Clam Bay and the Gulf of Mexico. This maintenance event includes the maintenance of Section A (the inlet mouth) and placement of beach-compatible sand within the authorized template, along Collier County Clam Pass Park Beaches. **This NTP ONLY authorizes - maintenance of the inlet mouth, which includes the mechanical dredging of the mouth of the channel, grading of the south bank and filling of the northern bank, according to the design template, to shape the inlet so that it closely mimics the natural inlet cross section at stable inlet condition.**

Project Location:

The mechanical dredging, grading and filling is located between R-41 and R-42 in Clam Pass, Collier County, Sections 8 and 9, Township 49 South, Range 25 East, Gulf of Mexico, Class III Waters.

Questions regarding the permit or this notice should be directed to the undersigned at:

April 16, 2020
Date of Notice

A handwritten signature in black ink that reads "Sean Green".

Sean Green
Environmental Specialist III
Beaches, Inlets and Ports Program
Florida Department of Environmental Protection
2600 Blair Stone Road, MS 3590
Tallahassee, FL 32399

Post Conspicuously on the Site

CLAM BAY NRPA MANAGEMENT PLAN
Pelican Bay Services Division
October 2014
Ver. 6.5

5.0 Clam Pass Dredging

A. Dredging Policy

There are two circumstances that could necessitate dredging Clam Pass.

1. Clam Pass closes or is in imminent danger of closure following a weather driven event. In this situation the inlet should be dredged as soon as possible.
2. The inlet has lost hydraulic efficiency and is jeopardizing the long-term health of floral and faunal communities of the Clam Bay NRPA. The scope and timing of any proposed dredging activity will be determined by reviewing and comparing current and past hydraulic, bathymetric and ecological monitoring data.

In both cases the PBSB Board would, after consultation with and advice from qualified coastal engineers and biologists, approve and recommend an appropriate set of construction drawings for the dredging event to the BCC for its approval prior to the submittal to the regulatory agencies.

Dredging will only be done for the health of the Clam Bay NRPA, not for navigation or beach renourishment. Beach-compatible sand removed as part of the dredging event will be spread on adjacent area beaches, as required by the permitting agencies.

B. Hydraulic and Bathymetric Dredging Criteria

The purpose of regular hydraulic and physical monitoring is to evaluate inlet characteristics on a comprehensive long term basis with less emphasis on short term or seasonal changes.

To monitor the stability of Clam Pass, data on the variables listed below will be regularly collected and reviewed by qualified engineers. If data are not within the identified target ranges for the variables, further monitoring and/or intervention will be considered in conjunction with current ecological data. See Appendix 5 for additional information on the dredging criteria.

1. Bay Tide Range

Tidal range data have been collected annually since 1999 and will continue to be collected and reported to the consulting engineer at least quarterly. An annual tidal analysis report will be included with the annual report.

Data are collected from gauges at four locations (Clam Pass Park Boardwalk, Pelican Bay South Boardwalk, Pelican Bay North Boardwalk, and Upper Clam Bay). These gauges provide a record of the tidal range within Clam Bay and are one indication of the tidal prism or volume of water flowing through Clam Pass at each tidal cycle.

Table 6a. Shoreline Change R-17 thru R-41 (Vanderbilt, Pelican Bay, North Clam Pass)

DEP Mon.	Design Standard (Ft)	Beach Width from Baseline (Ft)				Shoreline Change (Ft)				
		11/2005	6/2006	3/2019	3/2020	2005 to 2006	2006 to 3/2019	3/2019 to 3/2020	2005 to 3/2020	2006 to 3/2020
		Wiggins Pass								
R-17	-	51	77	-78	-95	26	-155	-17	-146	-172
R-18	-	97	108	64	90	10	-44	26	-7	-18
R-19	-	111	99	140	136	-12	41	-4	25	37
R-20	-	98	104	68	79	5	-36	11	-19	-25
R-21	-	88	103	64	79	15	-39	15	-9	-24
R-22	100	106	106	96	109	-1	-9	13	3	3
R-23	100	100	121	106	112	21	-15	6	12	-9
R-24	100	114	130	123	124	17	-7	1	10	-6
R-25	100	94	135	114	114	41	-21	0	20	-21
R-26	100	109	148	121	117	39	-27	-4	8	-31
R-27	100	79	121	107	99	42	-15	-8	20	-22
R-28	100	96	138	102	105	41	-36	3	9	-33
R-29	100	86	144	110	110	58	-34	0	24	-34
R-30	100	109	142	117	114	33	-25	-3	5	-28
R-31	100	109	132	122	123	23	-10	1	14	-9
R-32	100	107	138	118	122	31	-21	4	15	-16
R-33	100	90	103	99	90	13	-4	-9	0	-13
R-34	100	80	103	105	101	23	2	-4	21	-2
R-35	100	79	103	78	85	24	-25	7	6	-18
R-36	100	81	96	87	80	15	-9	-7	-1	-16
R-37	100	99	92	88	98	-7	-5	10	-1	6
R-38	-	106	87	94	111	-18	6	17	5	24
R-39	-	97	93	93	84	-4	0	-9	-13	-9
R-40	-	71	80	87	73	10	6	-14	2	-7
R-41	-	104	108	101	75	4	-7	-26	-29	-33
Reach		Clam Pass								
		Average Beach Width (Ft)				Average Shoreline Change (Ft)				
Delnor-Wiggins R-17 to R-21		89	98	51	58	9	-47	6	-31	-40
Vanderbilt Beach R-22 to R-30		99	132	111	112	32	-21	1	12	-20
Pelican Bay Beach R-30.5 to R-37		92	110	99	100	17	-10	0	8	-10
N. of Clam Pass R-38 to R-41		94	92	94	86	-2	1	-8	-9	-6
Monitoring Area R-17 to R-41		94	112	93	93	18	-19	0	-1	-19

Shaded portion of chart represents 2005/2006 project area.

PBSD Major Capital Projects (06/20)

Project	Amount	Funding Course	Timeframe	
Sidewalks	\$6,000,000.00	Loan/ County Contribution of \$500k p.a. for 10 years	2021-2023	Est. Loan cost over ten years \$ 700,000 per annum.
Operations Building replacement	\$2,000,000.00	Loan/ Street Lighting fund.	2020-2021	
Beach Defense Upgrade	\$2,000,000 plus	Tourist Tax?/ Annual Budget	2022-2024?	\$ 1,000,000 reserve in 20/21 budget
Periodic Beach re-nourishment	\$ 2-300,000	Tourist Tax	Bi-annual	
Lake Bank Restoration	\$ 5,000,000 plus	Loan/Annual Budget	2021-2028	\$ 800,000 in 20/21 budget
Street-Light replacement	\$ 2,000,000 Plus	Reserves/ Lease	2030-2035	\$ 250,000 surplus per year from Ad Valorem tax.
Drainage Outfalls	\$ Unknown	Reserves/ Annual Budget	2023-2030	No reserves at present