

**HERITAGE PALMS  
COMMUNITY DEVELOPMENT DISTRICT**



FEBRUARY 24, 2020  
BOARD OF SUPERVISORS MEETING  
AGENDA PACKET



# HERITAGE PALMS COMMUNITY DEVELOPMENT DISTRICT

## PREMIER DISTRICT MANAGEMENT

3820 Colonial Boulevard - Suite 101 • Fort Myers • FL 33966

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Board of Supervisors  
Heritage Palms CDD

February 17, 2020

Dear Supervisors,

The regular meeting of the Heritage Palms CDD Board of Supervisors will be held on February 24, 2020 at 8 AM, at the Heritage Palms Golf and Country Club on 10435 Washingtonia Palm Way in Fort Myers, Florida. The Agenda is included in Section Two and some points of interest are as follows:

- As per usual, enclosed are the Regular Meeting Minutes from January 27, 2020, the Field Manager Report for February, and the Financials for January
- There will be an update on the north boundary fence project, an update on lake-6 repair, an update on lakes 4 & 8 erosion repairs, and an update on Spike Rush cutting
- Included is the requested Sanitary Sewer Manhole Cover Depth Report
- There will be discussion on the FY2021 Budget
- Included are maps of proposed locations for lake 2 fountains
- Also enclosed are the Lake & Wetlands service & inspection reports for January and February

Any supporting documents not enclosed will be distributed at the meeting. The **next meeting is scheduled for March 23, 2020**. If there are any questions or requests prior to the meeting, feel free to contact me.

Respectfully



Calvin Teague  
District Manager

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# Heritage Palms Community Development District

## Meeting Agenda

### February 24, 2020 at 8:00 AM

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1. Call to Order and Roll Call
2. Approval of the Agenda
3. Audience Comments on Agenda Items
4. Approval of Meeting Minutes from January 27, 2020 pp 4 - 9
5. Attorney
6. Engineer
7. Old Business
  - A. North Boundary Fence Project
  - B. Lake L-6 Fence Repair Update
  - C. Stormwater Management System Cleaning Update
  - D. Erosion Repair for Lakes 4 & 8 Update
  - E. Pavers at Cart Crossings Update
  - F. Spike Rush Cutting Update
8. New Business
  - A. FY2021 Budget Discussion
  - B. Sanitary Sewer Manhole Cover Depth Report pp 10 - 19
  - C. Lake and Wetlands Service and Inspection Report pp 20 - 23
9. Field Manager
  - A. Field Report for February 2020 pp 24 - 34
  - B. Follow-up Items
    - i. Lake 2 Fountain Proposals pp 35 - 49
    - ii. Cana Cutting Deadline
    - iii. Remove Old Irrigation Lines
10. District Manager
  - A. Financial Statements for January 2020 pp 50 - 53
  - B. Other Follow-up Items
    - i. Website Launch
    - ii. FEMA Update
11. H.O.A. Report
12. Supervisor Reports, Requests and Comments
13. Audience Comments
14. Adjournment - **Next Meeting: March 23, 2020 at 8:00 AM**

**DRAFT  
MINUTES OF MEETING**

**HERITAGE PALMS  
COMMUNITY DEVELOPMENT DISTRICT**

The regular meeting of the Board of Supervisors of the Heritage Palms Community Development District was held on Monday, January 27, 2020 at 8:00 a.m. at the Heritage Palms Golf and Country Club at 10420 Washingtonia Palm Way in Fort Myers, Florida.

**Present and constituting a quorum were:**

Stan Switzer	Chairman
Paul Schafer	Vice Chairman
Al O'Brien	Assistant Secretary
Mike Whitten	Assistant Secretary
Fred DeCotis	Assistant Secretary

**Also present were:**

Calvin Teague	District Manager
George Caccoma	HPGCC HOA President
Gary Piotrowski	HPGCC HOA General Manager
Bill Vosney	Former HPCDD Supervisor
Residents	

*The following is a summary of the minutes and actions taken at the Heritage Palms Community Development District (CDD) Board of Supervisors meeting.*

**FIRST ORDER OF BUSINESS**

**Call to Order and Roll Call**

The meeting was called to order and the District Manager called the roll. All Board members were present.

**SECOND ORDER OF BUSINESS**

**Approval of the Agenda**

The Agenda was presented, and the District Manager requested the addition of 8H Spikerush Maintenance.

On MOTION by Vice Chair Schafer, seconded by Supervisor Whitten, with all in favor, the Agenda was approved as amended.
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**THIRD ORDER OF BUSINESS**

**Audience Comments on Agenda Items**

George Caccoma commented on the North Fence and cart path projects.

**FOURTH ORDER OF BUSINESS**

**Approval of Meeting Minutes from  
November 25, 2019**

The Regular Meeting Minutes were presented and approved.

On MOTION by Supervisor DeCotis, seconded by Vice Chair Schafer, with all in favor, the Regular Meeting Minutes of November 25, 2019 were approved as presented.

## **FIFTH ORDER OF BUSINESS**

**Attorney**

There being none, the next Order of Business followed.

## **SIXTH ORDER OF BUSINESS**

**Engineer**

There being none, the next Order of Business followed.

## **SEVENTH ORDER OF BUSINESS**

**Old Business**

### **A. North Boundary Fence Project Update**

The District Manager and Supervisor Whitten presented the summary of the meeting with Watermark HOA officials and Neal Developers regarding their request to not erect a fence along the North Boundary between the communities. It was explained that since the project has already begun, the cost to cease work was \$5,731.15. The expense for the alternative option they presented was \$2,791.74 and if the CDD was to stop this project, then Watermark would pay the two costs. The total cost is \$8,522.89, which they agreed to pay the fence company for. In addition, Supervisor Whitten commented that the Watermark team asked if the fence was later erected could it be placed lower down the berm, preferably 3-4 feet? There were no objections expressed to this and was felt to be reasonable action if the fence is determined to be needed. After discussion, the Board agreed to accept this offer contingent upon the CDD retaining the option of continuing with the original plan of installing fence along the northern boundary if the alternative option wasn't effective.

On MOTION by Supervisor Whitten and seconded by Vice Chairman Schafer with all in favor, the Board approved a work stoppage for the North Boundary contingent upon Watermark funding the project costs for discontinuing the project and for the new fencing option as present. In addition, the CDD retains the option of proceeding with the original fencing proposal if this option proves to be ineffective.

### **B. Lake - 6 Fence Repair Update**

The Board discussed concerns with persons shifting the new gate arms to get around the fencing restriction access from Ranchette Road. After discussion, the Board suggested having a pipe installed on the gate wing to stabilize it and prevent it from being moved for access. In addition, the Board discussed installation of a security camera even if it isn't a functioning camera.

On MOTION by Supervisor DeCotis and seconded by Supervisor Obrien with all in favor, the Board approved securing the fence wing with installation of a pipe and addressing security issues with a security camera.

**C. Sidewalk/Driveway Paver Update**

The District Manager updated the Board that the sidewalk/driveway elevation concerns have been addressed and all locations of concern have been corrected. There being no action needed, the next Order of Business followed.

**EIGHTH ORDER OF BUSINESS**

**New Business**

**A. Storm Drain Inspection report and Cleaning Proposal**

The drainage system inspection report was submitted and reviewed. Included were proposals for cleaning of the system addressing those structures which had either 25% or 40% blockage. Those structures with 25% or more of blockage would cost \$112,700 and if it was just those with 40% or more the cost was reduced to \$74,350. In addition, there were two additional proposals for using a Vactor truck to clean structures 175 to 183 for \$15,000 and the other to clean up vegetation, silt and other debris from in front of Structure 56 for \$1,500.

On MOTION by Vice Chairman Schafer, seconded by Supervisor Obrien, with all in favor, the Board approved cleaning all structures and pipe identified as having 40% or more of blockage for \$74,350. Also, the work is to be done in May or June and coordinated with Greg Kriesch.

On MOTION by Supervisor Whitten, seconded by Supervisor Obrien, with all in favor, the Board approved cleaning of structures 175 to 183 for \$15,000 and cleaning of vegetation, silt and other debris from in front of Structure 56 for \$1,500 for a total of \$16,500.

**B. Paver Pressure Washing Proposal**

The Board considered a proposal to clean the pavers at the entrance to the community and all golf cart crossings for \$2,000 but there was no motion made so the next Order of Business followed.

**C. Erosion Repair Quotes for Lakes 4 and 8**

The Field Manager had sought proposals for shoreline restoration and only one bid had been received. The lone bid from Lake and Wetlands for \$77,000 for both Lakes 4 and 8 was considered.

On MOTION by Vice Chairman Schafer, seconded by Supervisor Obrien, with all in favor, the Board approved the proposal from Lakes and Wetlands for shoreline restoration to both lakes.

**D. Pavers at Cart Crossings Discussion**

The Board had requested a proposal for repairing the pavers in several cart paths where the elevation from the asphalt to the pavers is a concern. A proposal to repair and replace the pavers and using the old pavers at the other crossings for \$7,931. Another proposal was submitted to use all new bricks for \$11,930.67 which had support from the Board.

On MOTION by Vice Chairman Schafer, seconded by Supervisor Obrien, with all in favor, the Board approved the proposal from Accurate Pavers for \$11,930.67 to use all new bricks.

**E. FY2021 Budget Schedule**

This was distributed and will be on the next agenda for discussion.

**F. Project List for 2021**

Those items that Board members would like to see in next year's budget will be presented at the next meeting. The budget list will include a \$100/unit increase.

**G. CDD Board Inspection Schedule**

A Board ride-around was discussed for future considerations.

**H. Spike Rush Maintenance**

The Field Manager created a list of the spike rush widths as well as a map, shown on pages 12 and 13 in the Agenda Packet. The Board discussed the width and agreed that the spike rush needs to be cut back to 10 feet per lake and that there needs to be a path between shorelines, even if that means the width is less than 10 feet on some lakes.

On MOTION by Vice Chairman Schafer, seconded by Supervisor DeCotis, with all in favor, the Board approved 10 feet of Spike Rush width per lake and to keep open passages between shorelines.

**NINTH ORDER OF BUSINESS**

**Field Manager**

**A. Field Report for January 2020**

The Board reviewed the Field Report with questions and comments as follows:

- It was discussed that the lake bank erosion on Lakes 4 and 8 are high priority. Therefore, the Board asked that the Field Manager obtain estimates for this project.

- A proposal was submitted by D&G Sealcoating and Striping for micro surfacing repairs totaling \$4,800.

On MOTION by Vice Chairman Schafer, seconded by Supervisor O'Brien, with all in favor, the Board approved the proposal from D&G Sealcoating and Striping for \$4,800.

- On Wine Palm there are two areas of concrete that need to be repaired identified on page 22 of the Agenda Packet. The Board agreed to have the Field Manager make these repairs.
- Vice Chairman Schafer requested that the lanai screen in the preserve, mentioned on page 26 of the Agenda Packet, be removed from the preserve as soon as possible.
- The Board requested that the District Manager write an article regarding residents dumping into the drains for the community newsletter.
- It was discussed that the golf cart crossing pavers have sunken. The Board asked that these get repaired.

## **B. Follow Up**

### **i. Drainage System Map**

This Agenda item was not discussed.

## **TENTH ORDER OF BUSINESS**

**District Manager**

### **A. Financial Statements**

#### **i. Month Ending December 31, 2019**

Financials Statements were presented and accepted.

On MOTION by Chairman Switzer, seconded by Supervisor O'Brien, with all in favor, the financials for period ending October 31, 2019 were accepted.

## **B. Follow-up**

### **i. ADA Compliant Website**

The District Manager updated the Board that the website is progressing, and he is hopeful that it will be ready by the end of the year.

#### **ii. FEMA Update**

The District Manager updated the Board that everything has been submitted to FEMA and now they are waiting for the final approval.

## **ELEVENTH ORDER OF BUSINESS**

**H.O.A. Report**

There being none, the next Order of Business followed.



**TWELFTH ORDER OF BUSINESS**

**Supervisor's Reports, Requests  
and Comments**

There being none, the next Order of Business followed.

**THIRTEENTH ORDER OF BUSINESS**

**Audience Comments**

Scott Osler and Bud Jason requested a fountain in Lake 2 and asked that the Board consider adding more fountains in the lakes for the community overall.

Joe Palgutt from the Safety Committee discussed a safety concern regarding the crosswalks. Another issue he discussed was parking by the Tiki Bar and requested to put in lines for parking spaces. The Board asked Mr. Palgutt to bring back an actual plan and/or proposal for the work the Safety Committee wants done for the Board to consider.

**FOURTEENTH ORDER OF BUSINESS**

**Adjournment**

There being no further Orders of Business, and

<p>On MOTION by Vice Chair Shafer seconded by Supervisor Whitten, with all in favor, the meeting was adjourned at 11:33 a.m.</p>
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**Next Meeting: January 27, 2020 at 8:00 a.m.**

\_\_\_\_\_  
Secretary/Assistant Secretary

\_\_\_\_\_  
Chair/Vice Chair



# Heritage Palms CDD

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SANITARY SEWER MANHOLE COVER DEPTH  
EVALUATION REPORT

FEBRUARY 14, 2020

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## **Heritage Palms CDD**

### **Community Field Services – Manhole Cover Depth Report**

February 14<sup>th</sup>, 2020

Community Field Services personnel conducted a visual inspection of all 169 sanitary sewer manhole covers along all roadways throughout the Heritage Palms community during the week of February 10<sup>th</sup>, 2020. Each manhole cover was measured to determine its depth from the surface of the roadway asphalt. The sanitary sewer manhole covers are labeled as A1 thru A19, B1 thru B31, C1 thru C23, D1 thru D32 and MH1 thru MH59 and their locations can be found on the attached Sanitary Manhole Exhibit created by Banks Engineering.

The visual inspection noted locations of manhole cover depths, level of severity and recommended height increase. The severity rankings used were;

- High Priority – Depth Greater than 1 Inch – Immediate Repair
- Medium Priority – Depth at .75 Inches – Future Repair
- Low Priority – Depth at .50 Inches – Potential Future Repair

After completing the inspection, we found that there are 31 manhole covers with a depth of 1 inch or greater, 37 manhole covers with a depth of .75 inches and 32 manhole covers with a depth of .5 inches. There were 9 manhole covers on the list that we could not locate which we believe may have been buried when the roads were micro-surfaced. The following report identifies these locations.

Heritage Palms CDD Manhole Cover Height Drop								
Roadway	Manhole ID #	Height Drop #1	Height Drop #2	Severity Level / Suggested Height Increase				
		Inches	Inches	High = 1.00" +	Medium = .75"	Low = .50"		
Butterfly Palm Drive	A1	Flush	Cement Collar					
Butterfly Palm Drive	A2	Flush	Flush					
Butterfly Palm Drive	A3	Flush	Flush					
Butterfly Palm Drive	A4	0.25	0.25					
Butterfly Palm Drive	A5	0.75	0.75		0.75			
Butterfly Palm Drive	A6	Flush	Flush					
Butterfly Palm Drive	A7	Flush	Flush					
Bismark Palm Way	A8	Flush	Flush					
Bismark Palm Way	A9	0.25	Flush					
Bismark Palm Way	A10	Not Found	Not Found					
Bismark Palm Way	A11	0.50	Flush					
Bismark Palm Way	A12	Flush	Flush					
Bismark Palm Way	A13	0.50	Flush					
Bismark Palm Way	A14	0.25	0.50					
Bismark Palm Way	A15	0.25	0.25					
Bismark Palm Way	A16	0.25	Flush					
Queen Palm Lane	A17	0.75	0.75		0.75			
Queen Palm Lane	A18	0.75	0.75		0.75			
Queen Palm Lane	A19	0.75	0.75		0.75			

# Heritage Palms CDD Manhole Cover Height Drop

13

<u>Roadway</u>	<u>Manhole ID #</u>	<u>Height Drop #1</u>	<u>Height Drop #2</u>	<u>Severity Level / Suggested Height Increase</u>		
		<u>Inches</u>	<u>Inches</u>	<u>High = 1.00" +</u>	<u>Medium = .75"</u>	<u>Low = .50"</u>
Washingtonia Palm Way	B1	Flush	Flush			
Washingtonia Palm Way	B2	Not Found	Not Found			
Washingtonia Palm Way	B3	0.50	1.00			0.50
Washingtonia Palm Way	B4	0.75	0.75		0.75	
Washingtonia Palm Way	B5	0.25	1.00			
Washingtonia Palm Way	B6	1.00	1.00	1.00		
Washingtonia Palm Way	B7	0.50	0.75			0.50
Washingtonia Palm Way	B8	0.25	0.25			
Washingtonia Palm Way	B9	0.75	0.75		0.75	
Washingtonia Palm Way	B10	1.00	1.25	1.00		
Washingtonia Palm Way	B11	1.25	1.25	1.25		
Washingtonia Palm Way	B12	1.00	1.00	1.00		
Washingtonia Palm Way	B13	0.25	0.50			
Washingtonia Palm Way	B14	1.00	1.00	1.00		
McArthur Palms Lane	B15	0.25	0.25			
McArthur Palms Lane	B16	Not Found	Not Found			
McArthur Palms Lane	B17	0.75	0.25			
McArthur Palms Lane	B18	.75-	0.75			
Sago Palm Way	B19	Not Found	Not Found			
Sago Palm Way	B20	0.75	0.75		0.75	
Sago Palm Way	B21	0.50	0.50			0.50
White Palm Way	B22	1.00	1.25	1.00		
White Palm Way	B23	1.00	1.00	1.00		
White Palm Way	B24	1.00	0.50			0.50
White Palm Way	B25	0.50	0.75			0.50
Queen Palm Lane	B26	0.50	0.50			0.50
Queen Palm Lane	B27	1.00	0.75		0.75	
Queen Palm Lane	B28	0.75	0.75		0.75	
Queen Palm Lane	B29	1.00	1.00	1.00		
Queen Palm Lane	B30	0.75	0.50			0.50
Golf Course	B31	N/A	N/A			
Golf Course	B32	N/A	N/A			
White Palm Way	B33	1.50	1.50	1.50		
McArthur Palms Lane	B34	0.50	0.50			0.50
McArthur Palms Lane	B35	0.50	0.75			0.50
McArthur Palms Lane	B36	1.25	1.25	1.25		

### Heritage Palms CDD Manhole Cover Height Drop

<u>Roadway</u>	<u>Manhole ID #</u>	<u>Height Drop #1</u>	<u>Height Drop #2</u>	<u>Severity Level / Suggested Height Increase</u>		
		<u>Inches</u>	<u>Inches</u>	<u>High = 1.00" +</u>	<u>Medium = .75"</u>	<u>Low = .50"</u>
Not Present	C1	N/A	N/A			
Washingtonia Palm Way	C2	Flush	Flush			
Washingtonia Palm Way	C3	Flush	Flush			
Washingtonia Palm Way	C4	Flush	Flush			
Wine Palm Road	C5	0.50	0.50			0.50
Wine Palm Road	C6	0.75	1.00		0.75	
Wine Palm Road	C7	1.00	1.25	1.00		
Wine Palm Road	C8	0.50	0.50			0.50
Wine Palm Road	C9	0.75	0.75		0.75	
Wine Palm Road	C10	0.75	1.00		0.75	
Wine Palm Road	C11	1.00	1.00	1.00		
Wine Palm Road	C12	Flush	New Ring			
Not Present	C13	N/A	N/A			
Go Canes Way	C14	0.75	Flush			
Go Canes Way	C15	0.75	0.50			0.50
Go Canes Way	C16	Not Found	Not Found			
Tiger Palm Way	C17	0.75	0.75		0.75	
Tiger Palm Way	C18	1.00	1.00	1.00		
Tiger Palm Way	C19	1.00	1.00	1.00		
Washingtonia Palm Way	C20	0.75	0.75		0.75	
Washingtonia Palm Way	C21	1.25	1.25	1.25		
Washingtonia Palm Way	C22	New Ring -.50	New Ring -.50			
Washingtonia Palm Way	C23	0.50	0.75			0.50

### Heritage Palms CDD Manhole Cover Height Drop

<u>Roadway</u>	<u>Manhole ID #</u>	<u>Height Drop #1</u>	<u>Height Drop #2</u>	<u>Severity Level / Suggested Height Increase</u>		
		<u>Inches</u>	<u>Inches</u>	<u>High = 1.00" +</u>	<u>Medium = .75"</u>	<u>Low = .50"</u>
Not Present	D1	N/A	N/A			
Washingtonia Palm Way	D2	Flush	Flush			
Washingtonia Palm Way	D3	1.00	1.00	1.00		
Washingtonia Palm Way	D4	1.00	1.00	1.00		
Washingtonia Palm Way	D5	0.75	0.75		0.75	
Washingtonia Palm Way	D6	Flush	Flush			
Heritage Palms Blvd.	D7	0.75	0.50			0.50
Heritage Palms Blvd.	D8	0.25	0.25			
Curry Palm Lane	D9	0.50	0.50			0.50
Curry Palm Lane	D10	0.75	0.75		0.75	
Curry Palm Lane	D11	1.00	0.75		0.75	
Curry Palm Lane	D12	0.75	0.75		0.75	
Curry Palm Lane	D13	0.75	0.75		0.75	
Curry Palm Lane	D14	0.75	1.00		0.75	
Curry Palm Lane	D15	0.50	0.50			0.50
Curry Palm Lane	D16	0.50	0.75			0.50
Curry Palm Lane	D17	0.75	0.75		0.75	
Curry Palm Lane	D18	1.00	1.00	1.00		
Not on Map	D19	N/A	N/A			
Tiger Palm Way	D20	0.50	0.75			0.50
Tiger Palm Way	D21	0.50	0.75			0.50
Tiger Palm Way	D22	0.50	0.75			0.50
Gator Palm Drive	D23	Not Found	Not Found			
Gator Palm Drive	D24	0.75	0.50			0.50
Gator Palm Drive	D25	0.50	0.50			0.50
Gator Palm Drive	D26	0.50	0.25			
Gator Palm Drive	D27	0.25	Flush			
Gator Palm Drive	D28	0.75	0.50			0.50
Gator Palm Drive	D29	0.75	0.75		0.75	
Gator Palm Drive	D30	0.75	0.50			0.50
Heritage Palms Blvd.	D31	1.00	1.00	1.00		
Heritage Palms Blvd.	D32	Not Found	Not Found			

### Heritage Palms CDD Manhole Cover Height Drop

<u>Roadway</u>	<u>Manhole ID #</u>	<u>Height Drop #1</u>	<u>Height Drop #2</u>	<u>Severity Level / Suggested Height Increase</u>		
		<u>Inches</u>	<u>Inches</u>	<u>High = 1.00" +</u>	<u>Medium = .75"</u>	<u>Low = .50"</u>
Wine Palm Road	MH1	1.25	1.00	1.00		
Wine Palm Road	MH2	0.75	0.75		0.75	
Wine Palm Road	MH3	0.50	0.50			0.50
Wine Palm Road	MH4	0.75	1.00		0.75	
Wine Palm Road	MH5	0.75	0.50			0.50
Wine Palm Road	MH6	1.25	1.25	1.25		
Wine Palm Road	MH7	0.75	1.00		0.75	
Wine Palm Road	MH8	0.75	0.75		0.75	
Wine Palm Road	MH9	Flush	Flush			
Wine Palm Road	MH10	0.75	1.00		0.75	
Wine Palm Road	MH11	0.75	0.75		0.75	
King Palm Court	MH12	0.50	0.50			0.50
King Palm Court	MH13	Flush	0.75			
King Palm Court	MH14	Flush	0.50			
King Palm Court	MH15	1.00	1.25	1.00		
King Palm Court	MH16	Flush	Flush			
King Palm Court	MH17	Flush	Flush			
King Palm Court	MH18	1.00	1.00	1.00		
King Palm Court	MH19	Flush	Flush			
Sugar Palm Court	MH20	Flush	Flush			
Sugar Palm Court	MH21	1.00	1.25	1.00		
Seminole Palm Way	MH22	1.00	1.25	1.00		
Seminole Palm Way	MH23	1.00	0.75		0.75	
Seminole Palm Way	MH24	1.00	1.25	1.00		
Seminole Palm Way	MH25	0.50	0.50			0.50
Seminole Palm Way	MH26	Flush	Flush			
Seminole Palm Way	MH27	Not Found	Not Found			
Seminole Palm Way	MH28	0.75	0.75		0.75	
Seminole Palm Way	MH29	0.25	Flush			
Seminole Palm Way	MH30	0.50	0.25			
Seminole Palm Way	MH31	Flush	Flush			
Not Present	MH32	N/A	N/A			
Not Present	MH33	N/A	N/A			
Not Present	MH34	N/A	N/A			
Not Present	MH35	N/A	N/A			
Not Present	MH36	N/A	N/A			
Wine Palm Road	MH37	0.75	0.25			
Wine Palm Road	MH38	0.75	Flush			



Wine Palm Road		MH39		0.75		0.75		0.75	
Wine Palm Road		MH40		1.00		1.00	1.00		
Wine Palm Road		MH41		0.75		0.75		0.75	
Wine Palm Road		MH42		0.50		0.75			0.50
Wine Palm Road		MH43		0.75		1.00		0.75	
Wine Palm Road		MH44		Flush		New Ring			
Wine Palm Road		MH45		0.75		1.00		0.75	
Heritage Palms Estates Drive		MH46		0.50		0.50			0.50
Heritage Palms Estates Drive		MH47		Flush		Flush			
Heritage Palms Estates Drive		MH48		1.00		1.25	1.00		
Heritage Palms Estates Drive		MH49		1.00		0.75		0.75	
Heritage Palms Estates Drive		MH50		0.75		0.75		0.75	
Heritage Palms Estates Drive		MH51		0.50		0.50			0.50
Heritage Palms Estates Drive		MH52		1.00		1.00	1.00		
Heritage Palms Estates Drive		MH53		0.75		1.25		0.75	
Sierra Palm Court		MH54		1.00		1.00	1.00		
Sierra Palm Court		MH55		1.00		1.00	1.00		
Sierra Palm Court		MH56		0.50		0.50			0.50
Sierra Palm Court		MH57		Flush		Flush			
Sierra Palm Court		MH58		0.50		0.25			
Sierra Palm Court		MH59		Not Found		Not Found			

<b><u>Heritage Palms CDD Manhole Cover Height Drop</u></b>						
<b><u>Total Counts / Estimated Repair Costs</u></b>						
<b>High Severity</b>				<b>Medium Severity</b>		<b>Low Severity</b>
1.5"	1.25"	1.00"		0.75"		0.5"
1	4	26		37		32
<b>Total High Severity</b>				<b>Total Medium Severity</b>		<b>Total Low Severity</b>
<b>31</b>				<b>37</b>		<b>32</b>
<b>Estimated Repair Cost at \$400 per Manhole Cover</b>						
<b>High Severity</b>				<b>Medium Severity</b>		<b>Low Severity</b>
\$12,400.00				\$14,800.00		\$12,800.00



[illegible]

**BANKS**  
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SURVEY LICENSE # LB 6690  
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DATE	PROJECT	DRAWING	DESIGN	DRAWN	CHECKED	SCALE	SHEET
7/17/2018	1135_1224	_EXH	SDJ	SDJ	SWM	1"=500'	1





Lake Management - Wetland & Preserve Maintenance  
Erosion Restoration - Mosquito & Midge Larvae Control  
Algae & Aquatic Weed Control - Native Planting  
Water Testing & Analysis - Fountains & Aerators

### SERVICE & INSPECTION REPORT

Customer: Heritage Palms Account #: \_\_\_\_\_ Date: 1/31/20  
Technician: Luis Eguia Territory: Ft Myers  
Weather Conditions: Sunny

#### ☒ LAKE MANAGEMENT

- ☒ ALGAE CONTROL  
☐ GRASSES & EMERGENTS  
☐ SUBMERSED AQUATICS  
☒ FLOATING PLANTS  
☐ INSPECTION  
☐ DEBRIS

Lake(s) #: 7, 9, 15, 31, 67

Lake(s) #: \_\_\_\_\_

Lake(s) #: \_\_\_\_\_

Lake(s) #: 5, 6, 7, 12, 13, 19, 20, 17

Lake(s) #: \_\_\_\_\_

Lake(s) #: \_\_\_\_\_

#### Water Test Results (Combined Average)

Temperature 80 °F  
Dissolved Oxygen 4 ppm  
pH reading 7.1  
Water Clarity 1-3  
Water Level 3-6

☐ HIGH

☒ AVERAGE

☐ LOW

☐ HIGH

☒ AVERAGE

☐ LOW

☐ ACID

☒ NEUTRAL

☐ BASE

☒ GOOD

☒ FAIR

☐ POOR

☐ HIGH

☒ AVERAGE

☐ LOW

#### ☒ LITTORAL SHELF

- ☐ SHORELINE GRASSES & EMERGENTS  
☐ FLOATING PLANTS  
☐ INVASIVE / EXOTIC SPECIES

SHELVES #: \_\_\_\_\_

☐ HERBICIDE TREATMENT

☐ DEBRIS REMOVAL

☐ MANUAL REMOVAL

☐ INSPECTION

#### ☒ UPLAND / WETLAND PRESERVE

- ☐ INVASIVE / EXOTIC SPECIES  
☐ GRASSES  
☐ VINES

PRESERVE(S) #: \_\_\_\_\_

☐ HERBICIDE TREATMENT

☐ DEBRIS REMOVAL

☐ MANUAL REMOVAL

☐ INSPECTION

#### ☒ MOSQUITO / MIDGE LARVAE CONTROL

- ☐ INSECTICIDE TREATMENT

LAKE(S) #: \_\_\_\_\_

☐ INSPECTION

Comments: Treated lakes # 7, 9, 15, 31 & canal 67 for Algae.  
Treated lakes # 5, 6, 7, 12, 13, 17, 19 & 20 for salvinia, Duckweed  
& Azolla.

#### FISH & WILDLIFE OBSERVATIONS

FISH: ☐ Bass ☐ Bream ☐ Catfish ☐ Grass carp ☐ Tilapia ☐ Mosquitofish ☐ Shad  
BIRDS: ☐ Raptor ☐ Duck ☐ Wood Stork ☐ Shorebird ☐ Wading bird ☐ Songbird ☐ Vulture  
REPTILES: ☐ Alligator ☐ Snake ☐ Turtle ☐ Tortoise ☐ Lizard ☐ AMPHIBIANS ☐ INSECTS

#### INVASIVE / EXOTIC PLANTS NOTED

☐ Brazilian pepper ☐ Melaleuca ☐ Pennywort ☐ Biscupifolia ☐ Earleaf Acacia ☐ Australian pine ☐ Shoebutton ☐ Sedge  
☐ Climbing Fern ☐ Air potato ☐ Torpedograss ☐ Azolla ☐ Salvinia ☐ Downy rose myrtle ☐ Java plum ☐ Floating Hearts  
☐ Lantana ☐ Hydrilla ☐ Hygrophilla ☐ Water Lettuce ☐ Water hyacinth ☐ Cattail ☐ Primrose ☐ Alligatorweed

#### NATIVE PLANTS NOTED

☐ Cypress ☐ Wax Myrtle ☐ FL Pine ☐ Red Maple ☐ Waterlily ☐ Mangrove ☐ Pond Apple ☐ Oak  
☐ Cocoplum ☐ Bulrush ☐ Blue flag iris ☐ Strangler fig ☐ Arrowhead ☐ Pickerelweed ☐ Thalassia ☐ Palms  
☐ Golden Canna ☐ Spikerush ☐ Buttonbush ☐ Eelgrass ☐ Cordgrass ☐ Pakahatcheegrass ☐ Spatterdock ☐ Ferns  
☐ Baby tears ☐ Naiad ☐ Chara ☐ Duckweed ☐ Bladderwort ☐ Pondweed ☐ Slender spikerush ☐ Bacopa

Other species noted / comments: \_\_\_\_\_



Lake Management - Wetland & Preserve Maintenance  
Erosion Restoration - Mosquito & Midge Larvae Control  
Algae & Aquatic Weed Control - Native Planting  
Water Testing & Analysis - Fountains & Aerators

### SERVICE & INSPECTION REPORT

Customer: Heritage Palms Account #: \_\_\_\_\_ Date: 01-22-20  
Technician: Hugo Territory: Ft. Myers  
Weather Conditions: Sunny / Windy

#### LAKE MANAGEMENT

- ☐ ALGAE CONTROL  
☐ GRASSES & EMERGENTS  
☐ SUBMERSED AQUATICS  
☐ FLOATING PLANTS  
☐ INSPECTION  
☐ DEBRIS

Lake(s) #: \_\_\_\_\_  
Lake(s) #: \_\_\_\_\_  
Lake(s) #: \_\_\_\_\_  
Lake(s) #: \_\_\_\_\_  
Lake(s) #: \_\_\_\_\_  
Lake(s) #: \_\_\_\_\_

#### Water Test Results (Combined Average)

Temperature \_\_\_\_\_ °F  
Dissolved Oxygen \_\_\_\_\_ ppm  
pH reading \_\_\_\_\_  
Water Clarity \_\_\_\_\_  
Water Level \_\_\_\_\_

☐ HIGH ☐ AVERAGE  
☐ HIGH ☐ AVERAGE  
☐ ACID ☐ NEUTRAL  
☐ GOOD ☐ FAIR  
☐ HIGH ☐ AVERAGE

☐ LOW  
☐ LOW  
☐ BASE  
☐ POOR  
☐ LOW

#### LITTORAL SHELF

- ☐ SHORELINE GRASSES & EMERGENTS  
☐ FLOATING PLANTS  
☐ INVASIVE / EXOTIC SPECIES

SHELVES #: \_\_\_\_\_

- ☐ HERBICIDE TREATMENT ☐ DEBRIS REMOVAL  
☐ MANUAL REMOVAL  
☐ INSPECTION

#### UPLAND / WETLAND PRESERVE

- ☐ INVASIVE / EXOTIC SPECIES  
☐ GRASSES  
☐ VINES

PRESERVE(S) #: \_\_\_\_\_

- ☐ HERBICIDE TREATMENT ☐ DEBRIS REMOVAL  
☐ MANUAL REMOVAL  
☐ INSPECTION

#### MOSQUITO / MIDGE LARVAE CONTROL

- ☐ INSECTICIDE TREATMENT

LAKE(S) #: \_\_\_\_\_

- ☐ INSPECTION

Comments: cut down cannas at  
Lakes 1, 4-12, 22, 26 and 2-11.  
Lake 21 doesn't have any canna.

#### FISH & WILDLIFE OBSERVATIONS

FISH: ☐ Bass ☐ Bream ☐ Catfish ☐ Grass carp ☐ Tilapia ☐ Mosquitofish ☐ Shad  
BIRDS: ☐ Raptor ☐ Duck ☐ Wood Stork ☐ Shorebird ☐ Wading bird ☐ Songbird ☐ Vulture  
REPTILES: ☐ Alligator ☐ Snake ☐ Turtle ☐ Tortoise ☐ Lizard ☐ AMPHIBIANS ☐ INSECTS

#### INVASIVE / EXOTIC PLANTS NOTED

☐ Brazilian pepper ☐ Melaleuca ☐ Pennywort ☐ Bischofia ☐ Earleaf Acacia ☐ Australian pine ☐ Shoebuttton ☐ Sedge  
☐ Climbing Fern ☐ Air potato ☐ Torpedograss ☐ Azolla ☐ Salvinia ☐ Downy rose myrtle ☐ Java plum ☐ Floating Hearts  
☐ Lantana ☐ Hydrilla ☐ Hygrophilia ☐ Water Lettuce ☐ Water hyacinth ☐ Cattail ☐ Primrose ☐ Alligatorweed

#### NATIVE PLANTS NOTED

☐ Cypress ☐ Wax Myrtle ☐ FL Pine ☐ Red Maple ☐ Waterlily ☐ Mangrove ☐ Pond Apple ☐ Oak  
☐ Cocoplum ☐ Bulrush ☐ Blue flag iris ☐ Strangler fig ☐ Arrowhead ☐ Pickerelweed ☐ Thalia ☐ Palms  
☐ Golden Canna ☐ Spikerush ☐ Buttonbush ☐ Eelgrass ☐ Cordgrass ☐ Fakahatcheegrass ☐ Spatterdock ☐ Ferns  
☐ Baby tears ☐ Naiad ☐ Chara ☐ Duckweed ☐ Bladderwort ☐ Pondweed ☐ Slender spikerush ☐ Bacopa

Other species noted / comments: \_\_\_\_\_



Lake Management - Wetland & Preserve Maintenance  
 Erosion Restoration - Mosquito & Midge Larvae Control  
 Algae & Aquatic Weed Control - Native Planting  
 Water Testing & Analysis - Fountains & Aerators

### SERVICE & INSPECTION REPORT

Customer: Heritage Palms Account #: \_\_\_\_\_ Date: 2/8/20  
 Technician: Luis Eguin Territory: Ft Myers  
 Weather Conditions: Sunny

#### ☒ LAKE MANAGEMENT

- ☒ ALGAE CONTROL  
☐ GRASSES & EMERGENTS  
☐ SUBMERSED AQUATICS  
☐ FLOATING PLANTS  
☐ INSPECTION  
☐ DEBRIS

Lake(s) #: 10, 14, 25  
 Lake(s) #: \_\_\_\_\_  
 Lake(s) #: \_\_\_\_\_  
 Lake(s) #: \_\_\_\_\_  
 Lake(s) #: \_\_\_\_\_  
 Lake(s) #: \_\_\_\_\_

#### Water Test Results (Combined Average)

Temperature \_\_\_\_\_ °F  
 Dissolved Oxygen \_\_\_\_\_ ppm  
 pH reading \_\_\_\_\_  
 Water Clarity \_\_\_\_\_  
 Water Level \_\_\_\_\_

☐ HIGH ☐ AVERAGE ☐ LOW  
☐ HIGH ☐ AVERAGE ☐ LOW  
☐ ACID ☐ NEUTRAL ☐ BASE  
☐ GOOD ☐ FAIR ☐ POOR  
☐ HIGH ☐ AVERAGE ☐ LOW

#### ☐ LITTORAL SHELF

- ☐ SHORELINE GRASSES & EMERGENTS  
☐ FLOATING PLANTS  
☐ INVASIVE / EXOTIC SPECIES

SHELVES #: \_\_\_\_\_  
☐ HERBICIDE TREATMENT ☐ DEBRIS REMOVAL  
☐ MANUAL REMOVAL  
☐ INSPECTION

#### ☐ UPLAND / WETLAND PRESERVE

- ☐ INVASIVE / EXOTIC SPECIES  
☐ GRASSES  
☐ VINES

PRESERVE(S) #: \_\_\_\_\_  
☐ HERBICIDE TREATMENT ☐ DEBRIS REMOVAL  
☐ MANUAL REMOVAL  
☐ INSPECTION

#### ☐ MOSQUITO / MIDGE LARVAE CONTROL

- ☐ INSECTICIDE TREATMENT

LAKE(S) #: \_\_\_\_\_  
☐ INSPECTION

Comments: Final Bacteria treatment done on lakes # 10 & 14  
Seclear treatment done on lake # 25  
D.O. lakes 22, 30, 31, L-6 & L-12  
D.O. 8, 6, 8, 5, 8

#### FISH & WILDLIFE OBSERVATIONS

FISH: ☐ Bass ☐ Bream ☐ Catfish ☐ Grass carp ☐ Tilapia ☐ Mosquitofish ☐ Shad  
☐ BIRDS: ☐ Raptor ☐ Duck ☐ Wood Stork ☐ Shorebird ☐ Wading bird ☐ Songbird ☐ Vulture  
☐ REPTILES: ☐ Alligator ☐ Snake ☐ Turtle ☐ Tortoise ☐ Lizard ☐ AMPHIBIANS ☐ INSECTS

#### INVASIVE / EXOTIC PLANTS NOTED

☐ Brazilian pepper ☐ Melaleuca ☐ Pennywort ☐ Bischofia ☐ Earleaf Acacia ☐ Australian pine ☐ Shoebuttton ☐ Sedge  
☐ Climbing Fern ☐ Air potato ☐ Torpedograss ☐ Azolla ☐ Salvinia ☐ Downy rose myrtle ☐ Java plum ☐ Floating Hearts  
☐ Lantana ☐ Hydrilla ☐ Hygrophilia ☐ Water Lettuce ☐ Water hyacinth ☐ Cattail ☐ Primrose ☐ Alligatorweed

#### NATIVE PLANTS NOTED

☐ Cypress ☐ Wax Myrtle ☐ FL Pine ☐ Red Maple ☐ Waterlily ☐ Mangrove ☐ Pond Apple ☐ Oak  
☐ Cocoplum ☐ Bulrush ☐ Blue flag iris ☐ Strangler fig ☐ Arrowhead ☐ Pickerelweed ☐ Thalia ☐ Palms  
☐ Golden Canna ☐ Spikerush ☐ Buttonbush ☐ Eelgrass ☐ Cordgrass ☐ Fakahatcheegrass ☐ Spatterdock ☐ Ferns  
☐ Baby tears ☐ Naiad ☐ Chara ☐ Duckweed ☐ Bladderwort ☐ Pondweed ☐ Slender spikerush ☐ Bacopa

Other species noted / comments: \_\_\_\_\_





Lake Management - Wetland & Preserve Maintenance  
 Erosion Restoration - Mosquito & Midge Larvae Control  
 Algae & Aquatic Weed Control - Native Planting  
 Water Testing & Analysis - Fountains & Aerators

### SERVICE & INSPECTION REPORT

Customer: Heritage Palms Account #: \_\_\_\_\_ Date: 02-06-20  
 Technician: Aug 0 Territory: Ft. Myers  
 Weather Conditions: sunny

#### LAKE MANAGEMENT

- ☐ ALGAE CONTROL  
☒ GRASSES & EMERGENTS  
☐ SUBMERSED AQUATICS  
☐ FLOATING PLANTS  
☒ INSPECTION  
☐ DEBRIS

Lake(s) #: \_\_\_\_\_

Lake(s) #: C15, L-1 to L-17, 30, 8

Lake(s) #: \_\_\_\_\_

Lake(s) #: \_\_\_\_\_

Lake(s) #: All lakes

Lake(s) #: \_\_\_\_\_

#### Water Test Results (Combined Average)

Temperature \_\_\_\_\_ °F  
 Dissolved Oxygen \_\_\_\_\_ ppm  
 pH reading \_\_\_\_\_  
 Water Clarity \_\_\_\_\_  
 Water Level \_\_\_\_\_

☐ HIGH ☐ AVERAGE ☐ LOW  
☐ HIGH ☐ AVERAGE ☐ LOW  
☐ ACID ☐ NEUTRAL ☐ BASE  
☐ GOOD ☐ FAIR ☐ POOR  
☐ HIGH ☐ AVERAGE ☐ LOW

#### LITTORAL SHELF

- ☒ SHORELINE GRASSES & EMERGENTS  
☒ FLOATING PLANTS  
☒ INVASIVE / EXOTIC SPECIES

SHELVES #: \_\_\_\_\_

- ☒ HERBICIDE TREATMENT ☐ DEBRIS REMOVAL  
☒ MANUAL REMOVAL  
☒ INSPECTION

#### UPLAND / WETLAND PRESERVE

- ☐ INVASIVE / EXOTIC SPECIES  
☐ GRASSES  
☐ VINES

PRESERVE(S) #: \_\_\_\_\_

- ☐ HERBICIDE TREATMENT ☐ DEBRIS REMOVAL  
☐ MANUAL REMOVAL  
☐ INSPECTION

#### MOSQUITO / MIDGE LARVAE CONTROL

- ☐ INSECTICIDE TREATMENT

LAKE(S) #: \_\_\_\_\_

- ☐ INSPECTION

Comments: \_\_\_\_\_

treated lakes for torpedograss,  
cattails and sedge

#### FISH & WILDLIFE OBSERVATIONS

FISH: ☐ Bass ☐ Bream ☐ Catfish ☐ Grass carp ☐ Tilapia ☐ Mosquitofish ☐ Shad  
 BIRDS: ☐ Raptor ☐ Duck ☐ Wood Stork ☐ Shorebird ☐ Wading bird ☐ Songbird ☐ Vulture  
 REPTILES: ☐ Alligator ☐ Snake ☐ Turtle ☐ Tortoise ☐ Lizard ☐ AMPHIBIANS ☐ INSECTS

#### INVASIVE / EXOTIC PLANTS NOTED

☐ Brazilian pepper ☐ Melaleuca ☐ Pennywort ☐ Bischofia ☐ Earleaf Acacia ☐ Australian pine ☐ Shoebutton ☐ Sedge  
☐ Climbing Fern ☐ Air potato ☐ Torpedograss ☐ Azolla ☐ Salvinia ☐ Downy rose myrtle ☐ Java plum ☐ Floating Hearts  
☐ Lantana ☐ Hydrilla ☐ Hygrophila ☐ Water Lettuce ☐ Water hyacinth ☐ Cattail ☐ Primrose ☐ Alligatorweed

#### NATIVE PLANTS NOTED

☐ Cypress ☐ Wax Myrtle ☐ FL Pine ☐ Red Maple ☐ Waterlily ☐ Mangrove ☐ Pond Apple ☐ Oak  
☐ Cocoplum ☐ Bulrush ☐ Blue flag iris ☐ Strangler fig ☐ Arrowhead ☐ Pickerelweed ☐ Thalia ☐ Palms  
☐ Golden Canna ☐ Spikerush ☐ Buttonbush ☐ Eelgrass ☐ Cordgrass ☐ Fakahatcheegrass ☐ Spatterdock ☐ Ferns  
☐ Baby tears ☐ Naiad ☐ Chara ☐ Duckweed ☐ Bladderwort ☐ Pondweed ☐ Slender spikerush ☐ Bacopa

Other species noted / comments: \_\_\_\_\_



# Heritage Palms CDD

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FIELD MANAGEMENT REPORT FOR FEBRUARY  
2020

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# Heritage Palms CDD

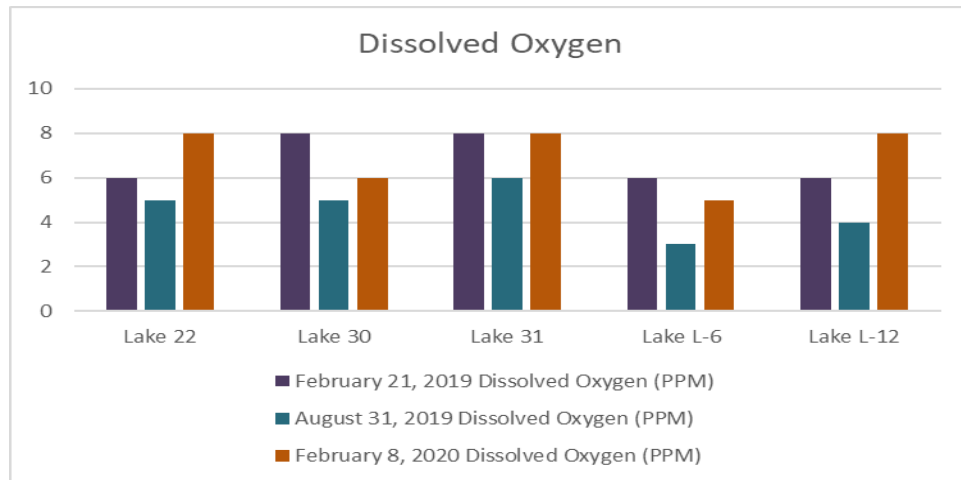
## Community Field Services – Field Management Report Site Inspection on 2/10/20

### 1. Lake Management:

- a. Lake Maintenance:** Most of the lakes remain in good shape this month. Lake & Wetlands has heavily treated most of the shoreline weeds, submerged weeds and algae issues mentioned below. Below is the rating sheet for February 2020.

HERITAGE PALMS LAKE RATING SHEET FOR FIELD REPORT February 10th 2020						
Lake Ratings	Individual Lake Ratings		Grand Total Combined Ratings			
1 = Unsatisfactory	3 = Unsatisfactory		141 = Unsatisfactory			
2 = Room for Improvement	4-6 = Room for Improvement		142-329 = Room for Improvement			
3 = Satisfactory	7-9 = Satisfactory		330-423 = Satisfactory			
Lake #	Algae	Shoreline Weeds	Submerged Weeds	Total Individual Score	Aerators / Fountains	Comments
Lake #1	3	3	3	9	Working	Trash in Lake
Lake #2	3	3	3	9	Working	Weak boil NE side
Lake #3	3	2	3	8	Working	Coconuts removed
Lake #4	2	2	3	7	Working	Coconuts removed / Trash in Lake
Lake #5	2	2	3	7	Working	
Lake #6	3	2	3	8	Working	Trash in Lake
Lake #7	3	2	3	8	Working	Trash in Lake
Lake #8	3	3	3	9	N/A	
Lake #9	2	3	3	8	Working	Trash in Lake
Lake #10	2	2	3	7	Working	
Lake #11	2	3	3	8	Working	
Lake #12	3	2	3	8	Working	Rusted valve box
Lake #13	2	2	3	7	Working	
Lake #14	3	3	2	8	Working	Trash in Lake
Lake #15	2	3	3	8	Working	
Lake #17	2	3	3	8	Working	
Lake #19	2	3	3	8	Working	Rusted valve box / Trash in Lake
Lake #20	2	3	3	8	Working	
Lake #21	2	3	3	8	Working	Rusted valve box
Lake #22	3	3	3	9	Working	
Lake #23	3	3	3	9	Working	
Lake #24	3	3	3	9	Working	No valve box
Lake #25	3	3	3	9	Working	Valve box present
Lake #26	3	2	3	8	Working	
Lake #27	3	3	3	9	Working	Weeds in Rip Rap
Lake #28	3	2	3	8	N/A	
Lake #29	3	2	3	8	Working	
Lake #30	3	2	3	8	N/A	Trash in Lake / Gator
Lake #31	2	3	3	8	N/A	Trash in Lake / Gator
Lake #33	2	2	3	7	Working	Valves semi-rusty
Phase 2						
L-1	3	3	2	8	Working	Rusted valve rail. Trash in Lake
L-2	3	3	3	9	Working	Rusted valve rail.
L-3	2	3	3	8	Working	
L-4	3	3	3	9	Working	
L-5	3	3	3	9	Working	
L-6	3	2	3	8	Working	
L-7	3	3	3	9	Working	
L-8	3	3	3	9	Working	Weak boil
L-9	2	3	3	8	Working	
L-10						
L-11	3	2	3	8	Down	Trash in Lake
L-12	3	3	3	9	Working	Gator
L-13	2	2	2	6	Working	Gator
L-14	3	3	3	9	Working	No valve box
L-15	3	2	3	8	Working	Weak boil. No valve box
L-16						
L-17	3	3	3	9	Working	
Canals						
C-7	2	2	2	6	N/A	Low hanging branches
C-15	3	3	3	9	N/A	
				384		

- b. Dissolved Oxygen (DO) Tests:** Lake & Wetlands completed the DO readings this month. Any reading over 2.00 is considered to be healthy and stabilized. Environmental factors such as temperature, wind, sun or clouds can cause changes to occur. Next readings will be taken during August 2020.



**c. Littoral Plants:**

- i.** Lake & Wetlands has been approved to reduce all the spike rush to a width of 10 feet. They are scheduled to begin killing off the spike rush in the lakes below starting later this month. If the spraying goes well the harvesting crew will be in shortly after to begin the removal.

<u>Lake #</u>	<u>Spike Rush Width</u>		<u>Lake #</u>	<u>Spike Rush Width</u>
-	-			
Lake #2	15-22 feet		Lake #26	Approx. 15 feet
Lake #3	20-25 feet		Lake #28	10-15 feet
Lake #4a	10-15 feet		Lake #29	10-15 feet
Lake #4b	20-23 feet		Lake #30c	10-15 feet
Lake #5a	10-15 feet		Lake #30d	Approx. 25 feet
Lake #5b	Approx. 20 feet		Lake #33a	10-15 feet
Lake #6a	10-15 feet		Lake #33b	20-25 feet
Lake #6b	15-17 feet		L-1	10-15 feet
Lake #7	10-15 feet		L-2	10-15 feet
Lake #9a	Approx. 10 feet		L-6	15-20 feet
Lake #9b	Approx. 15 feet		L-7	10-15 feet
Lake #11	15-17 feet		L-8	10-15 feet
Lake #14	Approx. 15 feet		L-9	10-15 feet
Lake #15	15-17 feet		L-11	10-15 feet
Lake #17	10-15 feet		L-12	Approx. 15 feet
Lake #19	10-15 feet		L-13	10-15 feet
Lake #23	10-15 feet			
Lake #24	10-15 feet			

- ii. The annual cutting of the hybrid cannas has been completed. The next cutting will be in December 2020.

**d. Shoreline Weeds:** Weeds observed this month included:

- i. Torpedo Grass in Lakes: 10, 12, 13, 28, 30, L-11 & Canal C-7. Very low to Low presence.
- ii. Alligator weed in Lakes: L-5. Low presence.
- iii. Spatterdock in Lakes: L-1. Low presence.
- iv. Salvinia in Lakes: 6, 7, 10, 19, 29 & L-12. Low presence. Lake 4. Medium presence.



**e. Submerged Weeds:**

- i. Chara in Lakes: 14 & L-1. Low presence.

**f. Algae:** Algae issues observed this month included the following:

- i. Planktonic algae: None observed.
- ii. Filamentous algae:
  1. Low density in Lakes: 5, 9, 10, 11, 13, 17, 20, 21, L-3, L-9 & Canals C-7.
  2. Medium density in Lakes: 15 & 31.
  3. High density in Lakes: None.

Bio Block treatments help reduce the muck within the lakes that eventually leads to algae blooms. The chart on the following page shows which lakes are being treated and the frequency. Lake 10 had a low amount of algae present and Lake 14 had none.

LAKE	TREATMENT FREQUENCY	Q1	Q2	Q3	Q4
15	Quarterly	February	May	August	November
33	Quarterly	February	May	August	November
10	Monthly				
14	Monthly				

**Lake 31****Lake L-3**

- g. Fish:** No nuisance fish were observed this month.
- h. Trash:** Trash was observed floating in multiple lakes this month. Hot spots included Lakes: 1, 6, 7, 9, 14, 19, 20, 30, 31, 33, L-1 & L-11. We recommend having a trash clean-up completed.



- i. Lake Aeration:** The issues reported below will be reported to Vertex / Solitude.
- i.** The semi-annual maintenance for the aerator systems is scheduled for February & August 2019.
  - ii.** Weak boils observed on Lakes 2 (North side), L-8 & L-15: Valves need adjustments.
  - iii.** Lake L-11: No boil was observed in the lake. This is the lake that Solitude recently ran a new pvc line to. Solitude has been notified of this.

**j. Lake Fountains:**

- i. We were informed that when Florida Fountains was removing the green holiday lenses on January 7<sup>th</sup>, 2020 that one of the lens covers was missing from the fountain in Lake 8. We'll inform Florida Fountains to replace the missing lens cover later this year when they go to install them around December 1<sup>st</sup>, 2020.

**k. Shoreline Landscaping / Grass Clippings:**

- i. The north berm along Lake 30 is due for its annual cutting.



- ii. We spoke to Wade Abed (neighborhood chairman) again shortly after the January board meeting and he informed us that the coconuts would be removed by February 10<sup>th</sup>. During our inspection we noticed that the coconuts have been removed.

**l. Bulkheads / Rip Rap:**

- i. Weeds on the bulkhead and within the rip rap on Lakes 25 & 27 need to be treated by Lake & Wetlands.
- ii. Joney Kelly reached out to us with a concern that the murky water in Lake 25 (entrance waterfalls) was impacting the submerged lights and asked if anything could be done about it. We reached out to Lake & Wetlands and Gonzalo was going to test out a product called C-Clear which is designed to clear up lakes. Gonzalo is doing this test free of charge to the CDD.

- m. **Lake Bank Erosion:** Lake & Wetlands was awarded the contract to repair the eroded shorelines along Lakes 4 & 8. There is approximately 1,395 feet of shoreline that will be repaired. Lake & Wetlands is scheduled to start this project during the month of April.



## 2. Preserves:

- a. No concerns observed this month.
- b. The next semi-annual maintenance event is anticipated for May 2020.
- c. The semi-annual vegetation maintenance along the preserve fences is scheduled to be completed in May 2020.
- d. The annual vegetation maintenance along the perimeter fences is scheduled to be completed in April 2020.

## 3. Roadways:

- a. **Asphalt:** No concerns observed this month.
- b. **Signage / Landscaping:**
  - i. Maintenance staff replaced the 12 missing amber roadway reflectors this week. 5 on Gator Palm, 5 on Washingtonia Palm and 2 on Queen Palm.



- ii. New parking spaces were observed painted along Seminole Palm Way. I am not aware if any communication was made to the CDD before the roadway was painted.



- c. **Pavers:** The CDD is currently in the process of having the pavers replaced & leveled along Heritage Palms Blvd., Curry Palm Lane, in front of the clubhouse on Washingtonia Palm Way and on King Palm Court.
  - d. **Curbing / Gutters:** No concerns observed this month.
4. **Sidewalks:** The General Manager, Gary Piotrowski informed us of a safety concern with the crosswalk in front of the clubhouse which leads over to the activity center. He informed us that when pedestrians are using the crosswalk, they tend to walk outside of the crosswalk stripes towards the yellow lines at the cut through to the clubhouse. Gary would like to have the ADA mat changed to a yellow one and to also paint the curbing yellow on both sides of the ADA mat to help direct pedestrians to the sidewalk ramp. The ADA mat is 2 feet wide by 5 feet long.



#### 5. CDD Perimeter Fences:

- a. **North Fence Install Update:** Fence installation has been canceled and the neighboring community is in the process of running a new fence from their wall to the Heritage Palms existing fence. We'll continue to monitor this project.
- b. **Lake L-6 / Ranchette Rd:** The gate sections that hang over the waterway were again pulled close to the road so that someone can easily access the community. We're going to drive metal poles into the ground to hopefully prevent the gate arms from moving and we're going to reach back out to Sunstate Fence to see what other options they can come up with.

#### 6. Storm Water Drainage System:

- a. **Overflow Weirs:** No concerns observed this month. All weirs were properly functioning.
- b. **Catch Basins:** No concerns observed with any of the catch basins this month.

**c. Roadway Inlets:**

- i. The catch basin located at 10321 White Palm Way that was missing 2 slats from its grate has been replaced.



- ii. The catch basin at the end of Curry Palm Lane was covered by Oak tree leaves. We went ahead and cleared off the structure.

**Before & After**



- d. **Canals:** No concerns observed this month.
- e. **Gutter Pans:** No concerns observed this month.
- f. **Inter-Connect Pipes:** No concerns observed this month.
- g. **Swales:**
  - i. Wetland B: No concerns observed. Water still slightly present within the swale.
  - ii. Lake 14 Overflow: No concerns observed.
- h. **Illicit Discharges:** No issues observed.
- i. **Spill Prevention:** No issues observed.
- j. **Maintenance Yard Inspection:** No issues observed.



**k. Drain Pipes / Culverts:** No issues observed.

**7. Non CDD Issues / Concerns Observed:** The streetlight just outside the maintenance debris yard was observed on during the day. The photocell for the light might have to be replaced by FPL.

**8. Residential Complaints / Concerns / Work Order Requests:** Below is the list of ongoing complaints / concerns / work order request for the past 3 months for FY 2020.

Reported Date:	Notified By:	Issue	Action	Follow Up Action
11/4/2019	Joney Kelly	Reported that the fountain lights in Lake 22 are flashing at night.	Reported issue to Florida Fountains on 11/04/19.	New light installed.
11/4/2019	Jim McDougal	Called in with questions regarding the sidewalk safety letter he received.	Spoke with Jim and on 11/05/19 and explained to him on what's going on. He is all set.	None.
11/4/2019	Andrea Binder	Called in with questions regarding the sidewalk safety letter she received.	Spoke with Andra on 11/05/19 and explained to her on what's going on. She is all set.	None
11/20/2019	Mike Whitten	Reported noisy compressor unit for Lake 17.	Solitude found that the bearings need to be replaced.	Inspected the unit and found it normally operating.
11/23/2019	Bill Vosney	Has a concern that the pavers for the cart path crossings have sunk creating a bad bump as you go over them.	Inspected the areas of concern and identified a few problem locations.	Issues will be discussed further in the field management report.
12/17/2019	Joney Kelly	Reported issue with aerator unit for Lake 24. System was over heating & is currently off.	Put in a service call to Solitude on 12/17/19.	Solitude replaced the cooling fan and capacitor.
1/16/2020	Mary Rhoads	Homeowner at 7942 Tiger Palm is concerned with high branches coming from the preserve that can potentially damage her pool cage.	Inspected the tree on 1/21/20 and agree the several branches need to be trimmed back. A work order has been created to cut the branches back.	Cut back pending.

**9. Fish/Wildlife Observations:**

<input type="checkbox"/> Bass	<input checked="" type="checkbox"/> Bream	<input type="checkbox"/> Catfish	<input type="checkbox"/> Gambusia
<input checked="" type="checkbox"/> Egrets	<input checked="" type="checkbox"/> Herons	<input checked="" type="checkbox"/> Coots	<input type="checkbox"/> Gallinules
<input checked="" type="checkbox"/> Anhinga	<input checked="" type="checkbox"/> Cormorant	<input type="checkbox"/> Osprey	<input checked="" type="checkbox"/> Ibis
<input checked="" type="checkbox"/> Woodstork	<input type="checkbox"/> Otter	<input checked="" type="checkbox"/> 3 Alligator	<input type="checkbox"/> Snakes
<input checked="" type="checkbox"/> Turtles	<input checked="" type="checkbox"/> Other Species: <u>Ducks</u>		

**10. Completed events in January / February:**

- a. Inform Lake & Wetlands of any lake management concerns. Completed on 1/09/20.
- b. Inform Vertex of any aerator issues. No concerns to report.

- c. Obtain grate price for 10321 White Palm Way. Grate size is 36"x28". Task completed; new grate installed.
- d. Inform Wade Abed about the coconuts still present in Lakes 3 & 4. Task completed; coconuts have been removed.

#### **11. Follow up & Upcoming event for February / March:**

- a. Inform Lake & Wetlands of any lake management concerns. Completed on 2/11/20.
- b. Inform Vertex of any aerator issues. Completed on 2/10/20.

#### **12. Maintenance Technician Task List:**

- a. 9/06/19: Cut back the willow trees and any other vegetation that is encroaching into the canals this winter. Work order 1360 pending March / April for lowest water levels.
- b. 10/09/19: Replace the rusting out grate between Lakes L-11 & L-12. 53"x35" Type D grate. Work order 1380. Grate has been replaced.
- c. 12/12/19: If the lines are no longer in use remove them from the preserve area at the intersection of Wine Palm Road and King Palm Court. Spoke with Greg K. and confirmed the lines are no longer active so we went ahead and removed them. We also removed multiple bottles and cans from this preserve as well.



- d. 2/10/10: Board Approval Required: Conduct a trash clean-up around all the lakes.
- e. 2/10/10: Board Approval Required: Conduct annual lake bank cutting along the north side of Lake 30.
- f. 2/10/10: Board Approval Required: Replace the ADA mat with a yellow one in front of the clubhouse on Washingtonia Palm Way and paint the curbs next to it yellow. Paint the curbs on the opposite side of the roadway yellow.

### FOUNTAIN INSTALLATION CONTRACT

PROPERTY NAME: Heritage Palms CDD  
 CONTRACT DATE: February 6, 2020  
 SUBMITTED TO: Mr. Chris Pepin  
 SUBMITTED BY: Mr. Chris Byrne  
 SPECIFICATIONS: 10420 Washingtonia Palm Way - Site 2

#### 1<sup>st</sup> Fountain Installation:

1. Contractor will install the following floating fountains:

- 1 Vertex TriTier Vertical Series 5 HP (230V/1PH) \*\*\***

Includes: **Tri Tier** Precision machined brass/bronze nozzle  
 Standard Stainless-Steel Intake Debris Screen  
**400 ft.** of STW-A Rated 6/4 power cable  
 High performance turbine pump/motor assembly  
 Control Panel (UL Listed / NEMA Rated)  
 GFCI Protection Breaker  
 Control Breaker  
 Motor Starter / Contactor  
 Motor Overload Protection Assembly  
 24-hour time clock  
 Surge/Lightning Protection  
**Motor Start & Run Capacitors\*\***  
 All labor and parts necessary for proper installation

#### LED Lighting Installation:

1. Floating Fountain will include the Vertex Underwater **LED700C-3** Lighting Package Includes:

**3 Underwater LED** Lights (43 Watt)  
 Lighting Controls mounted in the Fountain Control Panel  
 GFCI Protection Breaker  
 Control Breaker  
 24 Hour Timer  
 Control Fuse Protection  
**400 ft. of underwater 12/3 power cable**

All labor and parts necessary for proper installation

**\*\*\*For all single-phase units' customer must provide 230V power source properly sized for fountain motor amp load with a 2-pole breaker for fountain control panel electrical connection, and a suitable structure adjacent to the power source to which the control panel will be mounted. Power Source must be configured with 3 wire (2 hots + 1 neutral) and 1 ground wire for Control Panel to be connected. SOLitude Lake Management® is not responsible for electrical permits or inspections that might be required if new electrical service is ordered. Permits and inspections**

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***are the sole responsibility of the customer and the customer's electrician who is responsible for providing the necessary electrical service as described above.***

***\*\*\*\*The cost for installation is based on the assumption that power is available within 30 feet of the pond, and that no obstacles exist between the power source and the pond (i.e., concrete/asphalt walkways, retaining walls, utilities, landscaped areas, trees).***

General:

1. Contractor is Vertex Certified Sales, Service, and Repair Company.
2. All electrical work performed as part of the above installation will be done in accordance with all state and local codes, by a person licensed to perform such work.
3. All Vertex Fountains & Aerators are total component UL LISTED (includes control panel, underwater cable, and power unit).
4. Contractor will continue to maintain all appropriate licensing necessary to perform all specified work in a safe and legal manner throughout the entire contract period.
5. Contractor will furnish personnel, equipment, boats, materials, and other items required to provide the forgoing at his expense.
6. Contractor is dedicated to environmental stewardship in all of its work and maintains a diligent program to recycle all plastic containers, cardboard, paper and other recyclable wastes generated through the performance of our contract work.
7. Contractor will maintain general liability and workman's compensation insurance.
8. While SÖLitude Lake Management® makes every effort to thoroughly inspect the site before providing this contract proposal or beginning any work, it is possible, without fault or negligence, that unforeseen circumstances may arise, or that hidden conditions on the site might be found in the course of the performance of the contract work, which would result in additional time or material costs that exceed this contract pricing. Should this occur, the customer will be notified of these unforeseen circumstances or conditions and be responsible for the costs associated with remedying. By signing this agreement, the customer acknowledges that they have informed SÖLitude Lake Management® of all known and relevant current site conditions that would be reasonable to expect could affect our ability to successfully complete the contract work.
9. The customer agrees to pay penalties and interest in the amount of 2% per month for all past due invoices and related account balances in excess of 30 days past due from the due date as specified by the contract and as stated on the relevant invoice presented to the customer.
10. The customer covenants and agrees to pay reasonable attorney's fees and all other related costs and expenses SÖLitude Lake Management® for collection of past due invoices and account balances and for any other actions required to remedy a material breach of this contract.

Warranty:

1. Contractor warrants that all installation work will be done in a safe and professional manner.
2. Manufacturer warrants **fountain for four (4) years** from the date of installation against any defects in materials and workmanship.
3. Manufacturer warrants **light sets for two (2) years** from the date of installation against any defects in materials and workmanship.

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4. Manufacturer warrants **controls for one (1) year** from the date of installation against any defects in materials and workmanship.
5. Contractor warrants all labor and parts necessary for installation of the fountain aeration system for a period of **one (1) year** from the date of installation.
6. The manufacturer's warranty and the SÖLitude Lake Management® warranty will be voided if:
  - a. Any person not specifically authorized by the manufacturer and by SÖLitude Lake Management® performs any service, repair, or other work to the fountain aeration system.
  - b. The fountain aeration system is used in any manner inconsistent with its intended use or in any manner that is not in accordance with the manufacturer's instructions.

**CONTRACT PRICE: \$12,146.00\* for (1) one 5hp fountain with LED**

**\*Plus applicable sales tax**

***\*Price includes freight charges. Contract is valid until December 31 of the calendar year in which it was written.***

**PAYMENT TERMS:**

1. A deposit of 50% of the contract price will be due upon approval of the contract.
2. The remaining 50% balance will be payable upon completion of the contract work. For any work completed or materials in storage on the customer's behalf at the end of each month, the contractor will invoice and the customer will be responsible for paying the percent of the total work completed as of that date, less any previous deposit paid.
3. **Remit Payment To: 1320 Brookwood Drive, Suite H, Little Rock, AR 72202**

**APPROVED:**

_____	<b>Heritage Palms CDD</b>
<b>(Authorized Signature)</b>	
_____	_____
<b>(Print Name and Title)</b>	<b>(Date)</b>
_____	SÖLitude Lake Management®

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## 2<sup>nd</sup> Fountain Installation:

### 1 Vertex 7.5 HP TriTier Series Horizontal (230V/1PH) \*\*\*

Includes: **Tri Tier** Precision machined brass/bronze nozzle  
Standard Stainless-Steel Intake Debris Screen  
**400 ft.** of STW-A Rated 6/4 power cable  
High performance turbine pump/motor assembly  
Control Panel (UL Listed / NEMA Rated)  
GFCI Protection Breaker  
Control Breaker  
Motor Starter / Contactor  
Motor Overload Protection Assembly  
24-hour time clock  
Surge/Lightning Protection  
**Motor Start & Run Capacitors\*\***

All labor and parts necessary for proper installation

## LED Lighting Installation:

4. Floating Fountain will include the Vertex Underwater **LED700C-4** Lighting Package Includes:

**4** Underwater **LED** Lights (43 Watt)  
Lighting Controls mounted in the Fountain Control Panel  
GFCI Protection Breaker  
Control Breaker  
24 Hour Timer  
Control Fuse Protection  
**400 ft. of underwater 12/3 power cable**

All labor and parts necessary for proper installation

***\*\*Motor capacitors being placed in the fountain control panel instead of being built into the fountain motor power unit helps to provide much simpler and cost-effective ongoing maintenance and improves overall durability and long-term performance of the fountain motor.***

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Vertex Fountain Installation Contract  
Heritage Palms CDD site 2 (0528880) EN  
Page 5 of 5

**CONTRACT PRICE:**     **\$21,234.00\*** for (1) one 7.5hp fountain with LED

**\*Plus applicable sales tax**

***\*Price includes freight charges. Contract is valid until December 31 of the calendar year in which it was written.***

**PAYMENT TERMS:**

5. A deposit of 50% of the contract price will be due upon approval of the contract.
6. The remaining 50% balance will be payable upon completion of the contract work. For any work completed or materials in storage on the customer's behalf at the end of each month, the contractor will invoice and the customer will be responsible for paying the percent of the total work completed as of that date, less any previous deposit paid.
7. **Remit Payment To: 1320 Brookwood Drive, Suite H, Little Rock, AR 72202**

**APPROVED:**

\_\_\_\_\_  
**(Authorized Signature)**

**Heritage Palms CDD**

\_\_\_\_\_  
**(Print Name and Title)**

\_\_\_\_\_  
**(Date)**

SOLitude Lake Management®



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## Features and Benefits

One of the most delicate and aesthetic displays offered. The dramatic 3-tier pattern, with its floral arches created by a stainless steel nozzle is available in heights and diameters from 18' to 30'.

HP	1ST HT	2ND HT	3RD HT	Diameter	1 Phase (V)	3 Phase (V)	
2	18'	10'	4'	18'	230	208	230
3	23'	13'	6'	23'	230	208	230
5	30'	16'	9'	30'	230	208	230

### CONSTRUCTION

- ◆ Rugged, commercial grade construction
- ◆ Stainless steel turbine pumps/motors
- ◆ Precision machined brass/stainless steel nozzles
- ◆ Stainless steel LED lights powered by CREE chips
- ◆ More defined, exacting display patterns
- ◆ All systems protected with Class A GFCI

### BENEFITS

- ◆ Quicker installations—self leveling design
- ◆ Smaller profile for easier handling
- ◆ Lower weight reduces freight costs
- ◆ Low Maintenance: no oils, O-rings or seals to change
- ◆ Customize your displays and/or controls
- ◆ Competitively priced!





## Features and Benefits

One of the most delicate and aesthetic displays offered. The dramatic 3-tier pattern, with its floral arches created by all brass nozzle and is available in heights from 18' to 40'.

HP	1ST HT	2ND HT	3RD HT	Diameter	1 Phase (V)	3 Phase (V)		
2	18'	8'	4'	20'	230	208	230	460
3	23'	10'	5'	25'	230	208	230	460
5	26'	12'	6'	40'	230	208	230	460
7.5	30'	15'	7'	45'	230	208	230	460
10	35'	17'	8'	50'	230	208	230	460
15	40'	20'	10'	55'	230	208	230	460

### NOZZLES

- ◆ Precision machined brass/bronze or stainless steel nozzles

### PUMPS/MOTORS

- ◆ High performance turbine pump/motor assembly
- ◆ Stainless steel construction
- ◆ Water cooled: no oils, seals or o-rings to replace
- ◆ **4 year warranty**

### FLOTATION

- ◆ Rotocast polypropylene with UV inhibitors for long life
- ◆ Individual leveling compartments for exact adjustments
- ◆ **4 year warranty**

### CONTROL PANEL

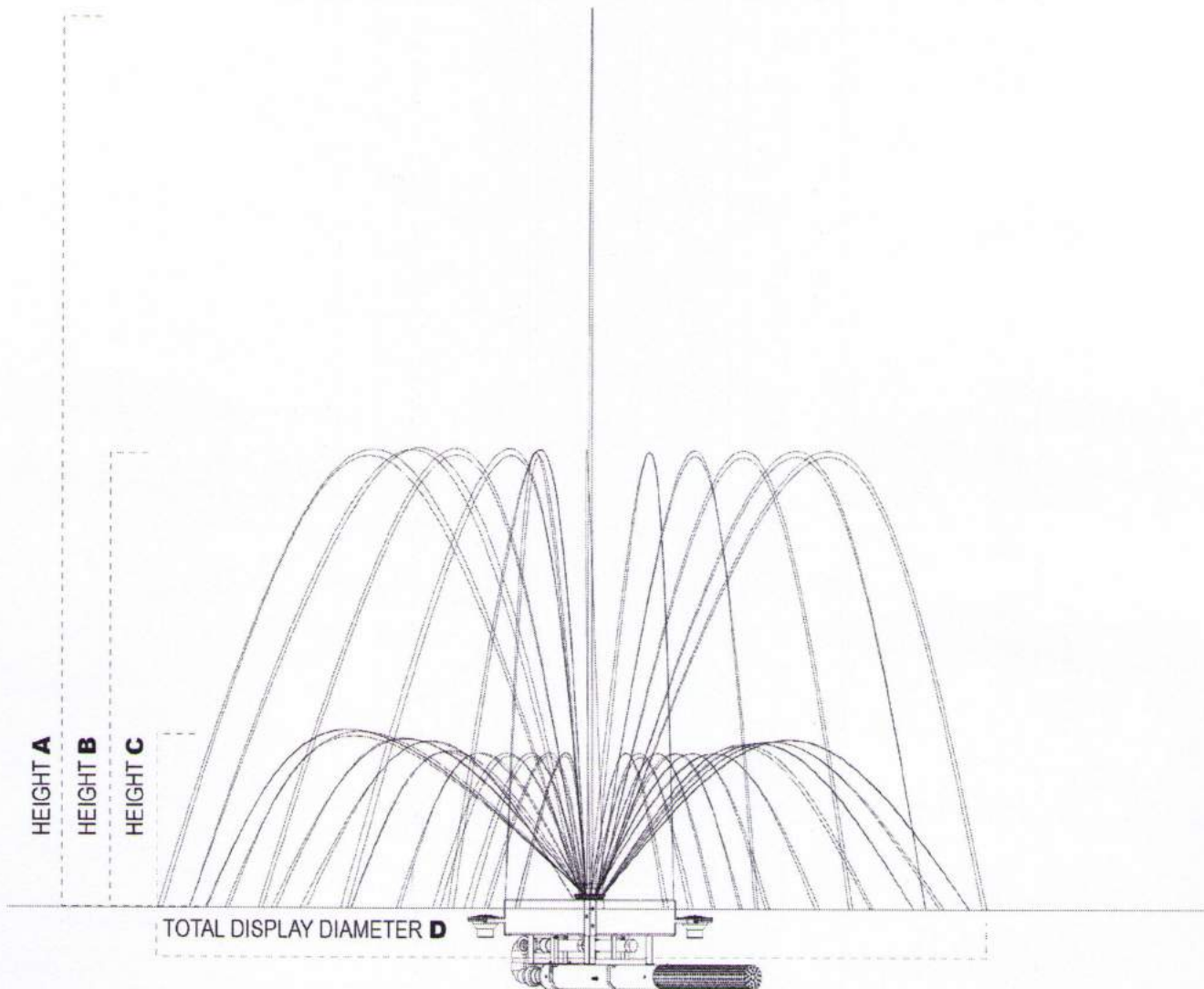
- ◆ UL listed per National Electrical Code
- ◆ Weatherproof steel enclosures

### SUBMERSIBLE LIGHT FIXTURES

- ◆ Energy efficient LED, 140 lumens/watt
- ◆ Stainless steel housing
- ◆ **2 year warranty**

### CABLES

- ◆ STW-A rated
- ◆ **4 year warranty**



CHECK EITHER WITH OR WITHOUT LIGHTS

Fountain Only																		
With LED Lights										✓								
Motor HP	2	2	2	3	3	3	5	5	5	7.5	7.5	7.5	10	10	10	15	15	15
Volts	230	230	208	230	230	208	230	230	208	230	230	208	230	230	208	230	230	208
Phase	1	3	3	1	3	3	1	3	3	1	3	3	1	3	3	1	3	3
AMP	14	8	9	17	10	13	28	17	21	42	25	28	51	32	37	72	47	54
HT. A	18'	18'	18'	23'	23'	23'	26'	26'	26'	30'	30'	30'	35'	35'	35'	40'	40'	40'
HT. B	8'	8'	8'	10'	10'	10'	12'	12'	12'	15'	15'	15'	17'	17'	17'	20'	20'	20'
HT. C	4'	4'	4'	5'	5'	5'	6'	6'	6'	7'	7'	7'	8'	8'	8'	10'	10'	10'
Dia. D	20'	20'	20'	25'	25'	25'	40'	40'	40'	45'	45'	45'	50'	50'	50'	55'	55'	55'
43W LED Lights	2	2	2	2	2	2	3	3	3	4	4	4	4	4	4	5	5	5
Total Watts	86	86	86	86	86	86	129	129	129	172	172	172	172	172	172	215	215	215
AMP Draw	0.8	0.8	0.8	0.8	0.8	0.8	1.1	1.1	1.1	1.5	1.5	1.5	1.5	1.5	1.5	1.8	1.8	1.8

Drawings are for illustration only and not to scale. Installation of fountain equipment shall be in accordance with manufacturers specifications.



## FLOTATION SYSTEM

Rotocast polypropylene with ultraviolet inhibitors added for extended protection against warping/cracking. Each seamless, watertight section is equipped with threaded brass insert and expanding type fill-plug to add water ballast and leveling control.

## PUMP/MOTOR

7.5 HP, 230 Volt, 1 Phase stainless steel, sealed UL listed submersible motor. Submersible turbine pump shall be of 100% 304 stainless steel construction, with driveshaft of 416 stainless steel and equipped with sand collars for maximum protection against abrasives. Pump and motor are water cooled and lubricated. *Use of oil-filled motors/pumping systems are not acceptable due to need for regular replacement of oil, O-rings, and seals.*

## INTAKE SCREEN

Type 304, 18ga stainless steel, protects against foreign material entering pumping system.

## FRAMEWORK

Type 304 stainless steel with welded joints and stainless steel fastenings.

## LIGHTING FIXTURES

4 43Watt, 120V clear, stainless steel LED light fixtures with tempered lens and neoprene gaskets, mounting brackets and fastenings of stainless steel. See specification chart for suggested lighting package. ETL listed.

## DISPLAY HEAD

100% precision machined cast bronze and/or brass with stainless steel fastenings provide permanent display characteristics and protection from corrosion. All sidejets are machined into base at precise angles to ensure permanent display integrity. *2-piece swivel jets are unacceptable due to inherent ability to become loose and out of adjustment from water pressure and/or pump vibrations. Display heads of plastics, PVC and/or "thermoplastics" are unacceptable.*

## UNDERWATER ELECTRICAL CABLES

STW-A rated, stamped "water resistant", 400 ' of 4/4 ga-pump, 400 ' of 12/3 ga-lights

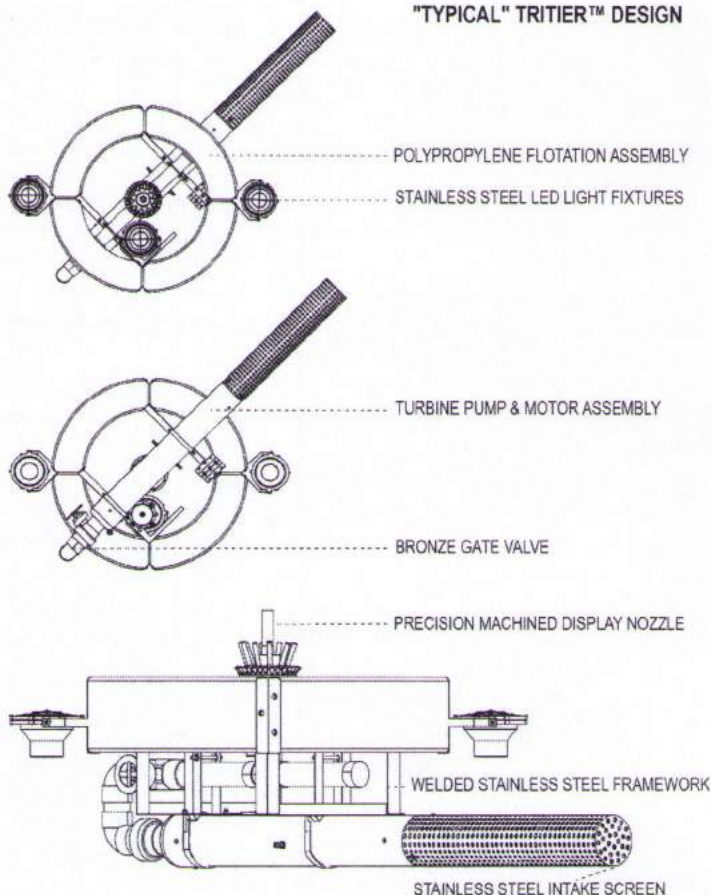
## FOUNTAIN CONTROL PANEL

- ♦ Steel NEMA 3R enclosure
- ♦ Surge/Lightning Protection
- ♦ Capacitive motor starter (single phase units)
- ♦ 2 - 24 hour time clocks
- ♦ Phase loss protection (3-phase units)
- ♦ Circuit breaker - pump
- ♦ Circuit breaker - lights (if equipped)
- ♦ GFI protection - pump
- ♦ GFI protection - lights (if equipped)

## WARRANTY (PARTS)

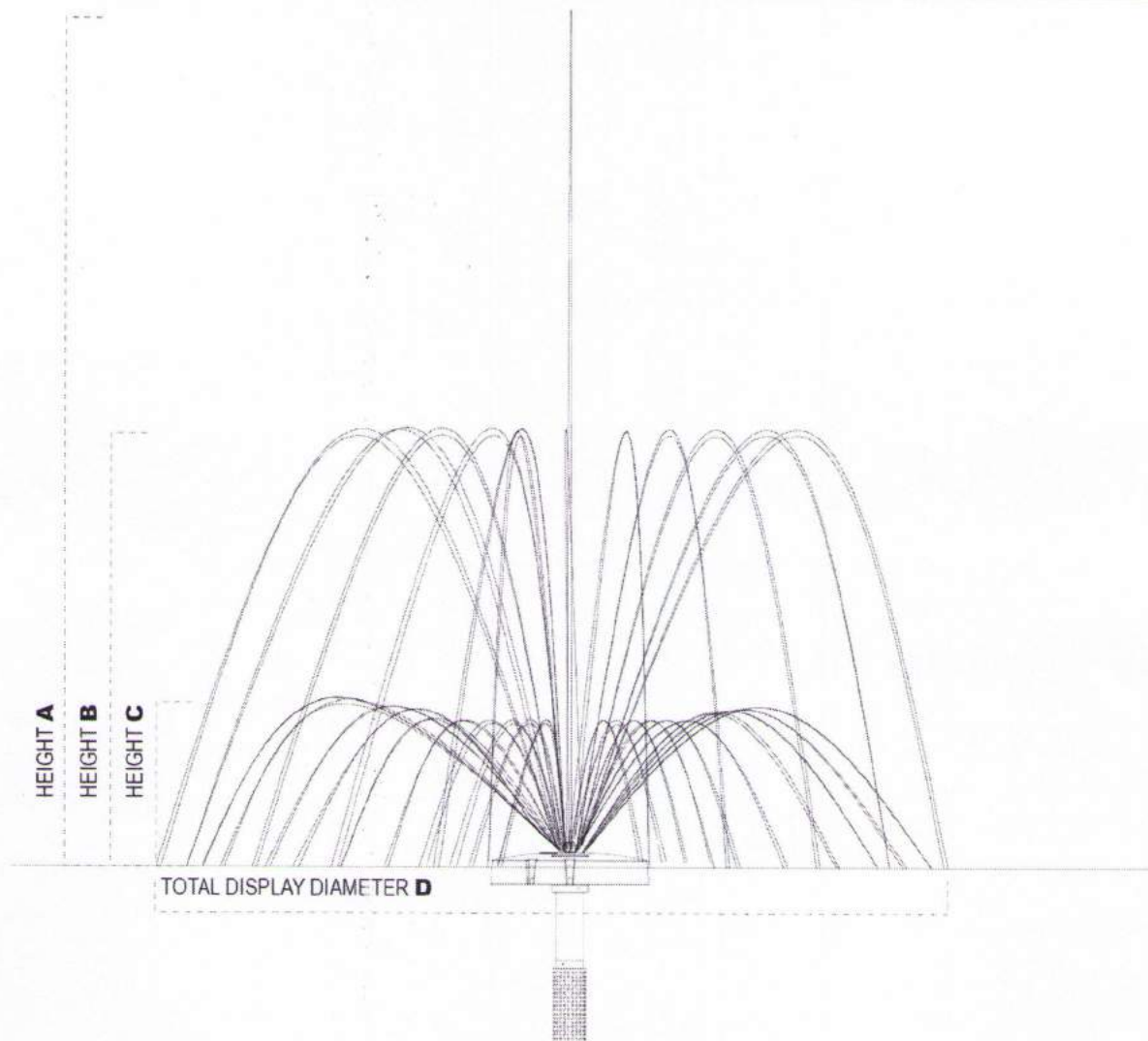
- ♦ Fountain - 4 years
- ♦ Light Fixtures (excludes bulbs) - 2 years
- ♦ Controls - 1 year

"TYPICAL" TRITIER™ DESIGN



\*Vertex reserves the right to improve and change designs and/or specifications without notice or obligation.

# TRITIER™ VERTICAL SERIES



CHECK EITHER WITH OR WITHOUT LIGHTS

Fountain Only									
With LED Lights							✓		
Motor HP	2	2	2	3	3	3	5	5	5
Volts	230	230	208	230	230	208	230	230	208
Phase	1	3	3	1	3	3	1	3	3
AMP	14	8	9	17	10	13	28	17	21
HT. A	18'	18'	18'	23'	23'	23'	30'	30'	30'
HT. B	10'	10'	10'	13'	13'	13'	16'	16'	16'
HT. C	4'	4'	4'	6'	6'	6'	9'	9'	9'
Dia. D	18'	18'	18'	23'	23'	23'	30'	30'	30'
43W LED Lights	2	2	2	2	2	2	3	3	3
Total Watts	86	86	86	86	86	86	129	129	129
AMP Draw	0.8	0.8	0.8	0.8	0.8	0.8	1.1	1.1	1.1

Drawings are for illustration only and not to scale. Installation of fountain equipment shall be in accordance with manufacturers specifications.



## TRITIER™ VERTICAL SPECS

### FLOTATION SYSTEM

Rotocast polypropylene with ultraviolet inhibitors added for extended protection against warping/cracking.

### PUMP/MOTOR

5 HP, 230 Volt, 1 Phase stainless steel, sealed UL listed submersible motor. Submersible turbine pump shall be of 100% 304 stainless steel construction, with driveshaft of 416 stainless steel and equipped with sand collars for maximum protection against abrasives. Pump and motor are water cooled and lubricated. *Use of oil-filled motors/pumping systems are not acceptable due to need for regular replacement of oil, O-rings, and seals.*

### INTAKE SCREEN

Type 304, 18ga stainless steel, protects against foreign material entering pumping system.

### FRAMEWORK

Type 304 stainless steel with welded joints and stainless steel fastenings.

### LIGHTING FIXTURES

3 43watt, 120V clear LED lamps housed in stainless steel fixtures with tempered lens and neoprene gaskets, mounting brackets and fastenings of stainless steel. See specification chart for suggested lighting package. ETL listed.

### DISPLAY HEAD

100% precision machined brass, stainless steel or bronze with stainless steel fastenings provide permanent display characteristics and protection from corrosion. All sidejets are machined into base at precise angles to ensure permanent display integrity. **2-piece swivel jets are unacceptable due to inherent ability to become loose and out of adjustment from water pressure and/or pump vibrations. Display heads of plastics, PVC and/or "thermoplastics" are unacceptable.**

### UNDERWATER ELECTRICAL CABLES

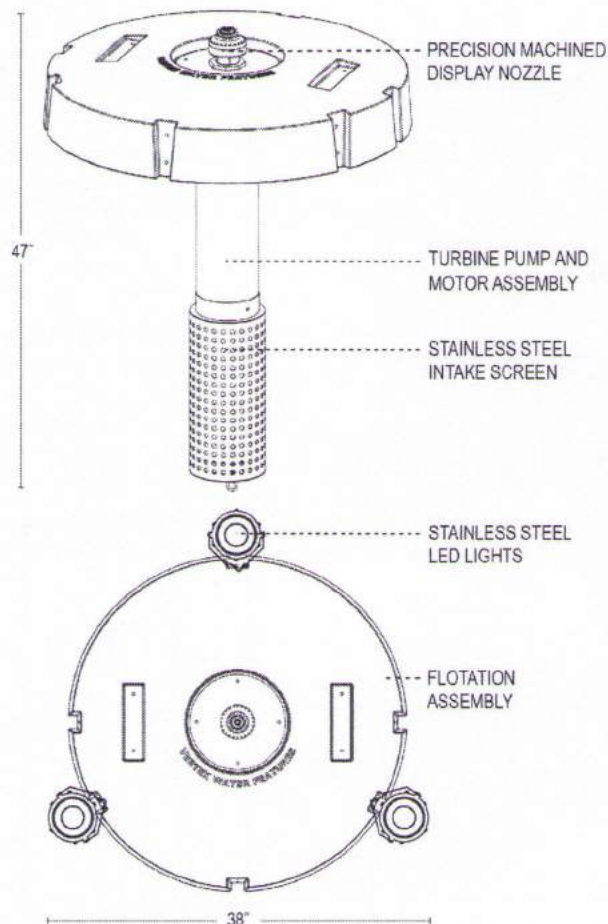
STW-A rated, stamped "water resistant", 400 ' of 6/4 ga-motor, 400 ' of 12/3 ga-lights

### FOUNTAIN CONTROL PANEL

- ◆ Steel NEMA 3R enclosure
- ◆ Surge/Lightning Protection
- ◆ Capacitive motor starter (single phase units)
- ◆ 2 - 24 hour time clocks
- ◆ Phase loss protection (3-phase units)
- ◆ Circuit breaker - pump
- ◆ Circuit breaker - lights (if equipped)
- ◆ GFI protection - pump
- ◆ GFI protection - lights (if equipped)

### WARRANTY (PARTS)

- ◆ Fountain - 4 years
- ◆ Light Fixtures (excludes bulbs) - 2 years
- ◆ Controls - 1 year



\*Vertex reserves the right to improve and change designs and/or specifications without notice or obligation.

**From:** [Chris Byrne](#)  
**To:** [Christopher Pepin](#)  
**Subject:** Heritage Palms Fountain Proposal  
**Date:** Friday, February 7, 2020 10:00:27 AM  
**Attachments:** [Heritage Palm CDD \(2\) Vertex Fountains Contract with LED .pdf.html](#)  
[TriTier-Vertical-Fountain-Sheet .pdf.html](#)  
[TriTier-Fountain-Sheet .pdf.html](#)  
[CCF02072020\\_00000 .pdf.html](#)

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Chris,

Please see the attached proposal options. Both the 5hp option and the 7.5hp option come with the maximum 400' cables.

Please note the following Vertex advantages

The Warranty:

- o Comprehensive 4 year fountain warranty
- o 2 year on optional lighting packages
- o 1 year on controls
- High performance submersible turbine pumps:
  - o Water-cooled & lubricated – never needs any scheduled “maintenance kits” to change oils, O-rings, seals, etc.
  - o Lower maintenance costs – only required maintenance is brushing of pump intake screen, no need to remove unit for maintenance or costs of changing lubricant, O-rings, seals, etc.
  - o Lower long term Cost of Ownership – no “custom” or proprietary pumps. Replacement pumps/motors are available either from Vertex or any local pump suppliers (Grainger, local irrigation supply houses, etc.), resulting in lower replacement costs. Manufacturers utilizing custom pumps become the only source (the “last chance gas station”) when time for replacement parts, allowing them to “name their price.”
  - o Stainless steel construction – impervious to rust or corrosion and inherently stronger than manufacturers utilizing plastic molded pumps.
- Display nozzles:
  - o Constructed of either precision machined brass or bronze – never inferior plastics or PVC.
- Optional lighting packages:
  - o Cast bronze and brass construction, lighting packages from a single energy efficient 60watt LED to over 6000watt halogen packages to fully illuminate even the largest display.
- Complete U.L. listed control panel:
  - o Built to the needs / specs of each unit
- Equipped with GFI protection, surge arrestors, overload protection and time clocks – never any add on “options” needed to get a fully equipped control panel that meets National Electrical Codes

Please let me know if you have any questions.

Thank you,

Chris Byrne  
 Business Development Consultant

C: 239.246.3422 | P: 888.480.5253 | F: 888.358.0088  
[www.solitudelakemanagement.com](http://www.solitudelakemanagement.com)



This e-mail together with any attachments is intended only for the recipient(s) named above. It may contain confidential and/or privileged information and express views or opinions that are those of the sender and not necessarily of





Veranda

Washingtonia Palm Way

Washingtonia Palm Way

Queen Palm Ln

329.07 ft

200.00 ft

100.00 ft

×

Measure distance

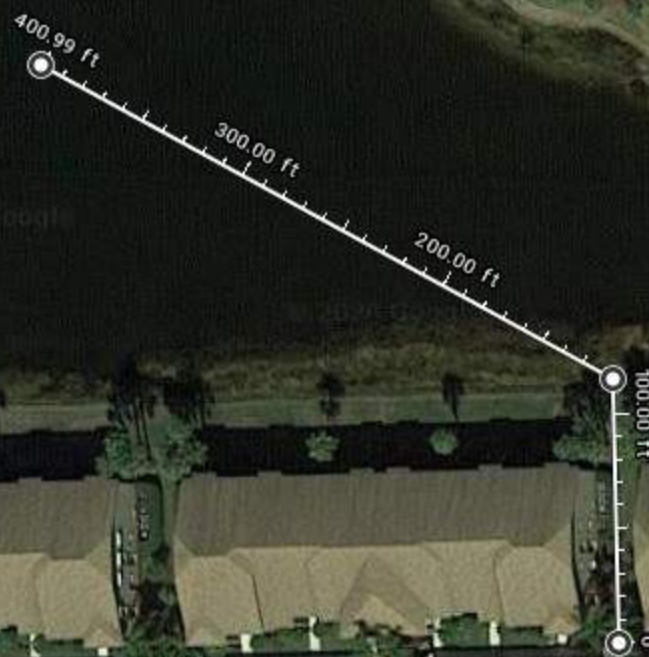
Click on the map to add to your path

Total distance: 329.07 ft (100.30 m)





fic and nearby places



Measure distance

Click on the map to add to your path

Total distance: 400.99 ft (122.22 m)



Fountain  
Location #2

Fountain  
Location #1

Existing CDD Electrical meters for aerator units





**Balance Sheet**  
**Heritage Palms Community Development District**  
**January 31, 2020**

50

**GENERAL**  
**FUND**

**ASSETS**

Cash - Iberia Operating	71,859.57
Investments - Iberia Money Market	733,563.77
Prepaid Items	5,000.00
<b>TOTAL ASSETS</b>	<b>810,423.34</b>

**LIABILITIES AND FUND BALANCES**

**LIABILITIES**

**FUND BALANCES**

<b>Nonspendable</b>	
Prepaid Items	5,000.00
<b>Restricted</b>	
Debt Service	0.00
<b>Assigned</b>	
Reserves - Bulkheads	3,032.50
Reserves - Roadways	91,999.81
<b>Unassigned</b>	
Unassigned	710,391.03
<b>TOTAL FUND BALANCES</b>	<b>810,423.34</b>
<b>TOTAL LIABILITIES AND FUND BALANCES</b>	<b>810,423.34</b>

**HERITAGE PALMS**  
**COMMUNITY DEVELOPMENT DISTRICT**

Non-Ad Valorem Special Assessments  
 (Lee County Tax Collector - Monthly Collection Distributions)  
*Fiscal Year Ending September 30, 2020*

**GROSS ASSESSMENTS LEVIED** **\$ 498,600**  
100.00%

					ALLOCATION
Distribution	Gross Amount Received	Discount/ (Penalties)	Collection Cost	Net Amount Received	General Fund
October	-	-	-	-	-
November	13,503	(573)	-	12,930	13,503
	156,817	(6,268)	(1,205)	149,344	156,817
December	232,200	(9,288)	(1,205)	221,707	232,200
	40,636	(1,499)	-	39,137	40,636
January	16,263	(491)	-	15,772	16,263
February	-	-	-	-	-
March	-	-	-	-	-
April	-	-	-	-	-
May	-	-	-	-	-
June	-	-	-	-	-
July	-	-	-	-	-
August	-	-	-	-	-
September	-	-	-	-	-
<b>TOTAL</b>	<b>459,419</b>	<b>(18,119)</b>	<b>(2,410)</b>	<b>438,891</b>	<b>459,419</b>
<b>BALANCE REMAINING</b>					<b>\$ 39,181</b>

TOTAL ASSESSMENTS	\$	498,600	PERCENT COLLECTED	92.14%
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HERITAGE PALMS COMMUNITY DEVELOPMENT DISTRICT
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## Cash and Investment Report

January 31, 2020

Account Name	Bank Name	Yield	Balance
<b>GENERAL FUND</b>			
Checking - Operating Fund (1883)	Iberia	0.85%	72,173
Money Market Account (1891)	Iberia	1.26%	<u>733,564</u>
		<b>TOTAL</b>	<b><u>\$ 805,737</u></b>

Run: 2/11/2020 at 9:44 AM

# Heritage Palms Community Development District

## Check Register from 1/01/2020 to 1/31/2020

### Iberia Bank 1883 OP

Page: 1

<u>Check</u>	<u>Date</u>	<u>Vendor / Description</u>	<u>Check / Payment</u>
0010189	1/06/2020	[COLEMAN] Coleman Yovanovich & Koester ( General Legal Services)	455.00
0010190	1/06/2020	[COMMUNITY FIELD] Community Field Services ( Work Order 1363 - Semi-annual Vegetation Maintenance, Work Order 1349 - Cut North Bank Along Lake 30, Reimburse for 10 Signs)	3,548.61
0010191	1/06/2020	[LAKE & WETLAND] Lake & Wetland Management West Coast Inc. ( January Lake Maintenance and Sludge Treatment )	8,326.00
0010192	1/06/2020	[LEE COUNTY PROPERTY] Lee County Property Appraiser ( 2019 Non Ad Valorem Roll )	1,662.00
0010193	1/15/2020	[PREMIER DISTRICT] Premier District Management, LLC ( District Management & Field Services - JAN 2020)	6,892.56
0010194	1/15/2020	[BANKS] Banks Engineering ( General Engineering Services)	825.00
0010195	1/15/2020	[COMMUNITY FIELD] Community Field Services ( Work Order 1383 - Replaced Missing Roadway Reflectors, Smooth Out Chipped-up Area with Grinder, Fill in Holes, Work Order 1388- Grind Down All Sidewalk Edges 19 Locations)	645.60
0010196	1/15/2020	[LEE COUNTY BOCC] Lee County Board of County Commissioners ( NPDES Permit Fee Allocation)	560.00
0010197	1/15/2020	[SOLITUDE] Solitude Lake Management ( Repair Service- Air 1 Compressor Capactr, 140 CFM Cooling Fan)	258.65
0010198	1/17/2020	[COLEMAN] Coleman Yovanovich & Koester ( General Legal Services)	32.50
EFT	1/28/2020	[FPL] FPL ( Electric Service 12/12/19 - 01/14/20)	866.54
EFT	1/29/2020	[ADP] ADP ( Payroll Processing Fees)	90.20
0010199	1/30/2020	[FLORIDA FOUNTAINS] Florida Fountains & Equipment, LLC ( Remove Colored Holiday Lenses from Fountain Lights)	129.00
0050019	1/30/2020	[ADP] ADP ( Payroll Wages - JAN 2020 (Checks))	184.70
0050020	1/30/2020	[ADP] ADP ( Payroll Wages - JAN 2020 (Checks)	184.70
EFT	1/30/2020	[ADP] ADP ( Payroll Wages - JAN 2020 (Direct Deposit))	554.10
EFT	1/30/2020	[ADP] ADP ( Payroll Taxes - JAN 2020)	159.00
EFT	1/31/2020	[ADP] ADP ( Payroll Processing Fees)	88.47
<b>Total Checks:</b>			<b><u>25,462.63</u></b>