



City of Palm Coast
Revised Agenda
Beautification and
Environmental Advisory
Committee

City Hall
160 Lake Avenue
Palm Coast, FL 32164
www.palmcoastgov.com

Chairman Jeffery Seib
Committee Member Edward Beier
Committee Member Robert Knapp
Committee Member Glenn Partelow
Committee Member Robbyn Mackler

Thursday, February 27, 2020

5:00 PM

City Hall

>In accordance with the Americans with Disabilities Act, persons needing assistance to participate in any of these proceedings should contact the City Clerk's Office at 386-986-3713 at least 48 hours prior to the meeting.

>Public comment on issues on the agenda or public participation shall be limited to 3 minutes.

>The City of Palm Coast is not responsible for any mechanical failure of recording equipment

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>Other matters of concern may be discussed as determined by Committee during the meeting.

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CALL TO ORDER AND PLEDGE OF ALLEGIANCE

ROLL CALL

MINUTES

1 MEETING MINUTES OF THE JANUARY 23, 2020 BEAUTIFICATION AND ENVIRONMENTAL ADVISORY COMMITTEE MEETING

OLD BUSINESS

2 ELECTION OF A VICE CHAIR TO THE BEAUTIFICATION AND ENVIRONMENTAL ADVISORY COMMITTEE

3 POLLUTION OF CANALS IN PALM COAST UPDATE

4 CLIMATE CHANGE UPDATE

NEW BUSINESS

PUBLIC PARTICIPATION

DISCUSSION OF MATTERS NOT ON THE AGENDA

ADJOURNMENT

City of Palm Coast, Florida Agenda Item

Agenda Date: 2/27/2020

Department	PLANNING	Amount
Item Key	7857	Account
		#
Subject	MEETING MINUTES OF THE JANUARY 23, 2020 BEAUTIFICATION AND ENVIRONMENTAL ADVISORY COMMITTEE MEETING	
Background :		
Recommended Action :	Approve as presented.	



**City of Palm Coast
Minutes
Beautification and
Environmental Advisory
Committee**

City Hall
160 Lake Avenue
Palm Coast, FL 32164
www.palmcoastgov.com

*Chairman Jeffery Seib
Committee Member Edward Beier
Committee Member Robert Knapp
Committee Member Glenn Partelow
Committee Member Robbyn Mackler*

Thursday, January 23, 2020

5:00 PM

City Hall

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A CALL TO ORDER AND PLEDGE OF ALLEGIANCE

Chair Seib called the January 23, 2020 meeting of the Beautification and Environmental Advisory Committee (BEAC) to order at 5:00PM.

B ROLL CALL

Present and responding to roll call were:

*Ms. Mackler
Mr. Knapp
Chair Seib
Mr. Beier
Mr. Partelow*

C MINUTES

1 MINUTES OF THE DECEMBER 5, 2019 BEAUTIFICATION AND ENVIRONMENTAL ADVISORY COMMITTEE MEETING

Pass

Motion made to approve as presented made by Committee Member Knapp and seconded by Committee Member Beier

Approved - 5 - Committee Member Edward Beier, Chairman Jeffery Seib, Committee Member Glenn Partelow, Committee Member Robert Knapp, Committee Member Robbyn Mackler

D OLD BUSINESS

2 ELECTION OF A VICE CHAIR TO THE BEAUTIFICATION AND ENVIRONMENTAL ADVISORY COMMITTEE

Chair Seib introduced Ms. Robbyn Mackler as the newest member of the BEAC and asked her to provide her background.

Mr. Partelow suggested that this item be delayed until next month, February 27, 2020.

Received and Filed

3 THE MONARCH BUTTERFLY UPDATE

Chair Seib gave a brief background on this agenda item, including his efforts to get an update from the Palm Coast Garden Club. Chair Seib introduced Mr. P.M. Reddy and he gave an update on his experience creating butterfly gardens. He also gave a handout of a sketch of a proposed butterfly garden, which is attached to these minutes. Mr. Reddy suggested the cost of the butterfly garden to be added to the rain garden located at City Hall would be approximately \$1090.00. Mr. Reddy also suggested the City look into creating a botanical garden. Chair Seib asked if the City would consider supporting the cost of the Monarch garden. Ms. Dawson indicated that if the BEAC members voted in support of the Monarch garden at the discussed location than Ms. Dawson would have to take the proposal to the Parks Team to discuss funding. Mr. Reddy mentioned that there is a Florida Wildflower Foundation that may grant up to \$3000.00 for this project. Mr. Partelow suggested that the BEAC reach out to Palm Coast Garden Club about supplying some the required plants for the garden. Ms. Dawson also addressed the need for community involvement in maintenance of the garden.

Pass

Motion made to approve as presented and submit the plan to the Parks Team for review and approval made by Committee Member Partelow and seconded by Committee Member Knapp

Approved - 5 - Committee Member Edward Beier, Chairman Jeffery Seib, Committee Member Glenn Partelow, Committee Member Robert Knapp, Committee Member Robbyn Mackler

4 DISCUSSION OF THE EAGLE IN FLIGHT DONATION

Chair Seib asked the BEAC members to consider locations for the Eagle in Flight donation (2nd floor City Hall or Firestation #25). Ms. Dawson mentioned that a final location for the artwork is being considered as Long Creek Nature Preserve within the nature center facility when it is completed in the future.

Pass

Motion made to approve as presented to temporarily house the Eagle in Flight sculpture in the 2nd floor hallway at City Hall, until the nature center is completed at Long Creek Nature Preserve, made by Committee Member Partelow and seconded by Committee Member Beier

Approved - 5 - Committee Member Edward Beier, Chairman Jeffery Seib, Committee Member Glenn Partelow, Committee Member Robert Knapp, Committee Member Robbyn Mackler

E NEW BUSINESS

5 NUTRIENT POLLUTION OF FRESHWATER CANALS IN PALM COAST

Chair Seib introduced this agenda item and gave a PowerPoint presentation which is attached to these minutes.

Chair Seib asked if the airboats used in dislodging any aelgae growth are owned by the City. Ms. Denise Bevan, City Administrative Coordinator, answered that work is contracted out.

Chair Seib asked Ms. Bevan if the City had a program to clear natural ferns from the waters' edge. Ms. Bevan explained the process for maintaining the City's stormwater system, which include the fresh water and salt water canal systems, ditches (both major and minor) and swales system.

Chair Seib asked if there is a specific measurement used for the easement between a property and the waters' edge. Ms. Dawson did not know but said she would follow up with the City's Stormwater Division.

Discussion ensued between the BEAC members regarding recommending a regulation from the property line (a know element) to the waters' edge (an unknown element) to limit nutrient pollution of the waterways.

Ms. Bevan discussed the background retional behind the City's Stormwater's Division discussion of using dredging.

Ms. Bevan to follow up with the City's Stormwater Division and Public Works regarding the maintenance program currently in use by the City and will discuss at the next BEAC meeting on February 27th.

Chair Seib opened this item to public comment at 6:17PM.

Mr. Paul Pritchard, 10 Craft Court, addressed the BEAC members and is in favor of this agenda item and recommended that the BEAC expand their research to include salt water canals.

Chair Seib closed this item to public comment at 6:32PM.

Chair Seib agreed to expand this project to include review of the City's salt water canals.

Received and Filed

6 DISCUSSION OF VINNIE THE VAN GOGH TURTLE DONATION AND FUTURE GOLF PROPOSAL

Chair Seib requested that this item (agenda #6 be heard prior to agenda items #2-#5) since no objection was made this agenda item was heard out of order.

Ms. Nancy Crouch, Palm Coast Arts Association, was introduced by Chair Seib, and she gave a presentation which is attached to these minutes.

Mr. Beier questioned who pays for the turtles. Ms. Crouch explained that the sponsor pays for all turtle related expenses, which is \$5,000.00. Mr. Beier questioned is there a plan to maintain the turtles. Ms. Crouch explained they would only need a clear coat. Mr. Beier questioned how many turtles are planned and who determines the theme of the turtles. Ms. Crouch explained that the sponsor determines the theme and she hopes eventually there would be 50 turtles throughout the City of Palm Coast.

Mr. Knapp questioned the percentage that actually covers the expenses for the Turtles. Ms. Crouch indicated that 60% is for the actual expenses and the remainder (40%) goes to the Palm Coast Art Association fund raising goals.

Pass

Motion made to approve as presented made by Committee Member Knapp and seconded by Committee Member Beier

Approved - 5 - Committee Member Edward Beier, Chairman Jeffery Seib, Committee Member Glenn Partelow, Committee Member Robert Knapp, Committee Member Robbyn Mackler

F PUBLIC PARTICIPATION

G DISCUSSION OF MATTERS NOT ON THE AGENDA

Chair Seib gave an update on his recent presentation to the Planning and Land Development Regulations Board (PLDRB) on rising sea levels and how he thought the PLDRB members received the presentation very well.

Mr. Partelow reminded the BEAC members that the PLDRB gave them some charges to come back to PLDRB with recommendations. Mr. Partelow, suggested that all new City buildings be launched with a solar component.

Ms. Bevan updated the BEAC members regarding the guidance given to the Planning Division from the City Council regarding the review of the Comprehensive Plan. She also gave some information on the County's PACE program which involves a credit on property taxes for installing solar power.

Discussion of recommendations to make to City staff involving the incentives in place for green building programs including education for the citizens about programs that are available. Chair Seib asked the members to come up with some ideas for the next BEAC meeting.

H ADJOURNMENT

Motion made that the meeting be adjourned by Mr. Knapp and the motion was seconded by Ms. Mackler. The meeting was adjourned at 6:47PM.

*Respectfully Submitted by:
Irene Schaefer, Recording Secretary*

City of Palm Coast, Florida Agenda Item

Agenda Date: 2/27/2020

Department	PLANNING	Amount
Item Key	7656	Account
		#
Subject	ELECTION OF A VICE CHAIR TO THE BEAUTIFICATION AND ENVIRONMENTAL ADVISORY COMMITTEE	
Background :		
Recommended Action :	Elect a Vice Chair to the Beautification and Environmental Advisory Committee.	

City of Palm Coast, Florida Agenda Item

Agenda Date: 2/27/2020

Department PLANNING Item Key 7867	Amount Account #
Subject POLLUTION OF CANALS IN PALM COAST UPDATE	
Background: Follow up on the previous month's meeting's discussion of status of our fresh water and salt water canals.	
Recommended Action: For discussion purposes.	

Pollution in Palm Coast Canals

Part A Freshwater Canals-last month

Part B Saltwater Canals-this month

Saltwater Canal Facts

- 23 miles of saltwater canals in PC
- Most (or all) homes are built with bulkheads, so no city owned easement
- Canals are tidal, fed by Intercoastal Waterway

Canal Home



Canal home without bulkhead



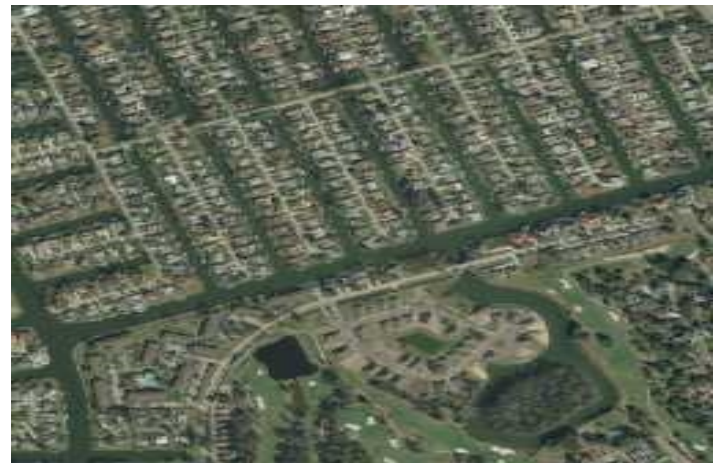
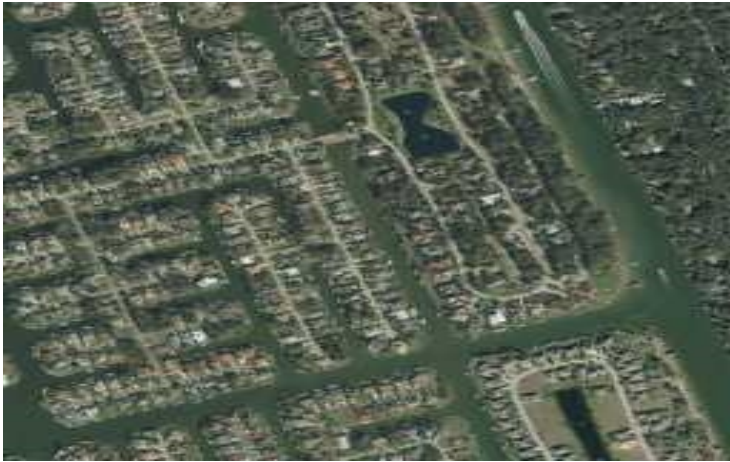
Canal home and vacant lot



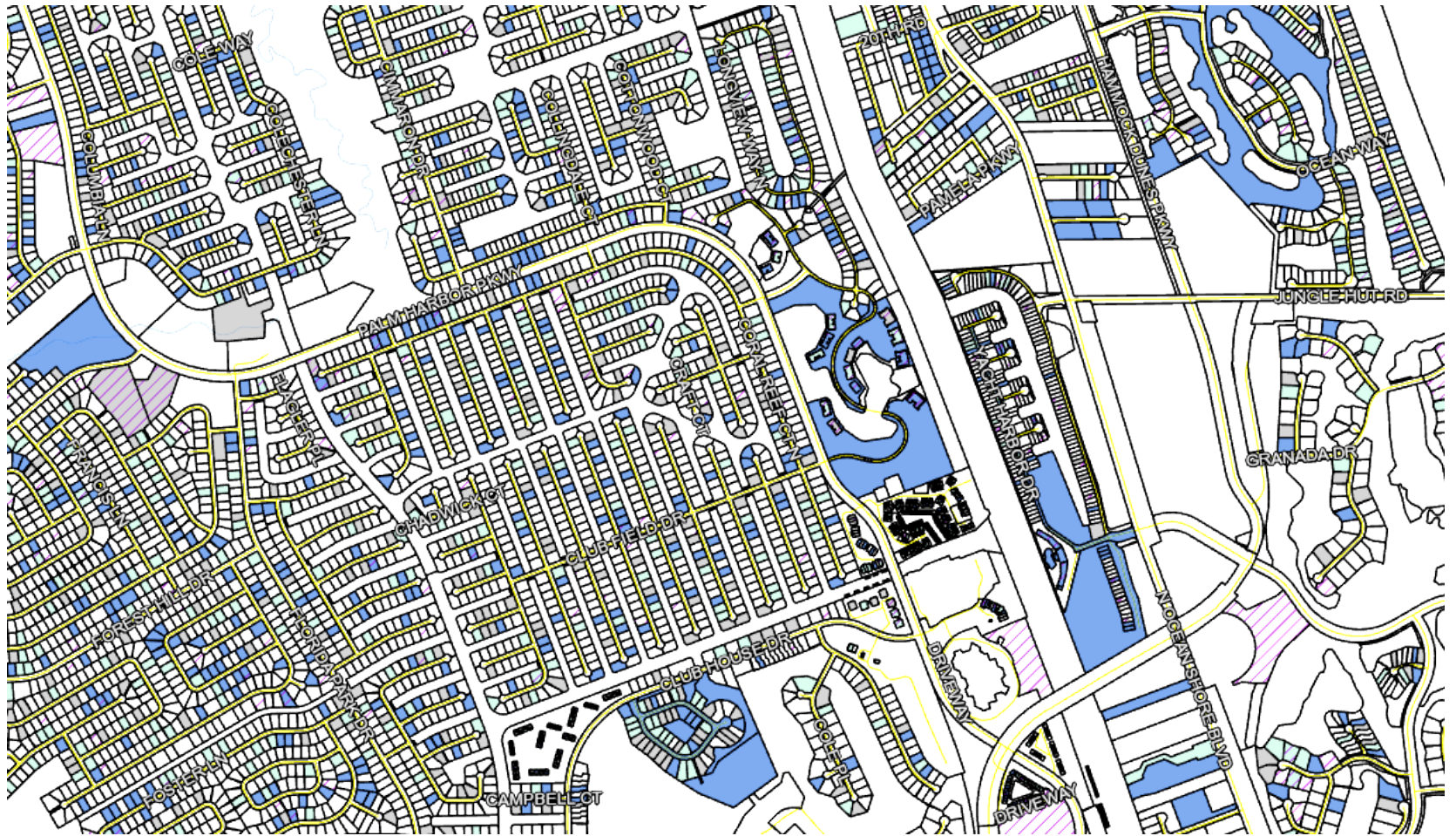
Vacant lot



Saltwater Canal System



Canals and Intercoastal Waterway



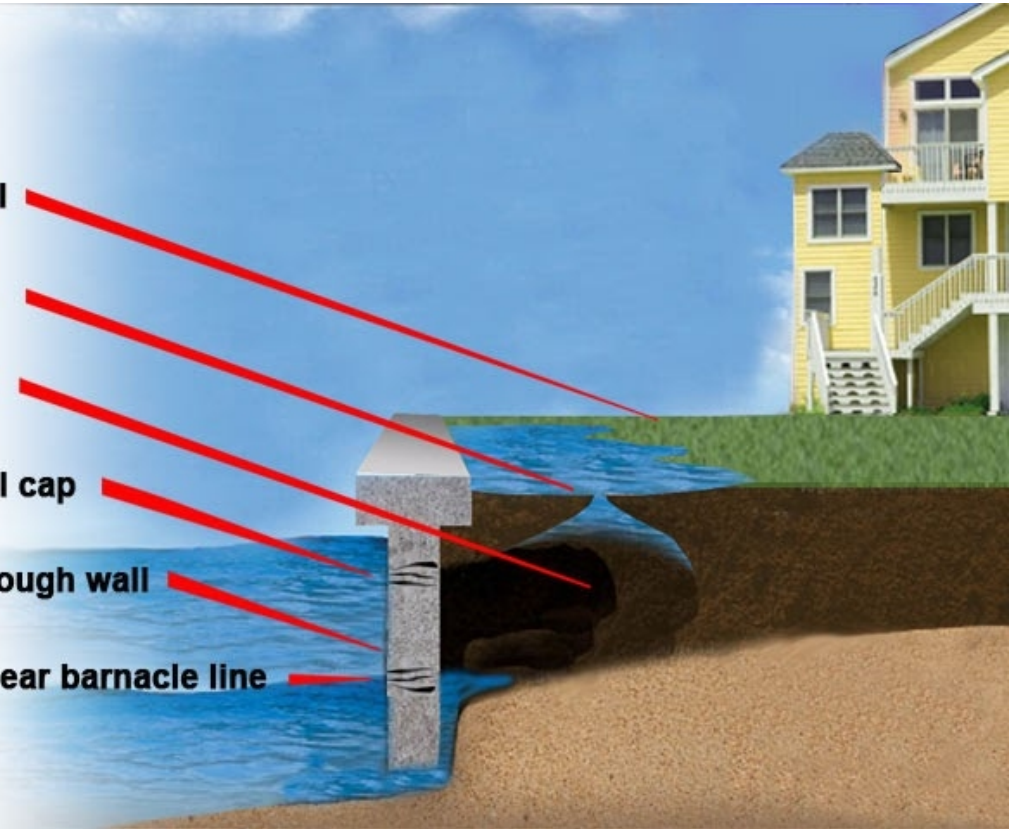
Pollution Issues

- Same as in freshwater canals
- Sewerage, trash, organic matter, pesticides and fertilizers
- Streets drain into canals, gas, oil residue

Bulkheads deteriorating

WARNING SIGNS THAT INDICATE BEHIND SOIL EROSION:

- ~ Drop in Soil Level behind or near to wall
- ~ Pooling of water behind or near to wall
- ~ Cavities or Voids appearing behind wall
- ~ Horizontal cracks just below the seawall cap
- ~ No "Venting" to allow water to drain through wall
- ~ Horizontal cracks in the seawall slabs near barnacle line



Bulkheads deteriorating factors

- Soils from yards leeching into canals
- Soils contain both pesticides and fertilizers
- Ends up as a poisonous muck bed in canals





Saltwater canals with bulkheads issues

- Pollution loading of canals occurs as a result of shoreline development. Septic seepage, lawn fertilizers, pesticides and effluent, and oil and gasoline from boats negatively impact canal water quality.
- Paved parking lots and streets prevent land areas from absorbing polluted runoff, so pollution-laden rainwaters drain directly into canal systems.
- Inadequate flushing prevents the canal system from diluting and dispersing pollutants to the receiving waterbody. Contaminants may accumulate on the water surface or build up in the sediment.

Saltwater canals issues continued

- Most canals are virtually closed bodies of water that serve as nutrient traps, and the accumulation of decaying organic matter on the canal bottom impedes healthy biological production.
- [Native wildlife](#), including benthic (bottom-dwelling) animals, fish, birds and mammals are frequently abundant in newly constructed canals.
- The advent of hot weather can result in increased temperatures and dramatic decreases in dissolved oxygen concentrations with heavy mortality of benthic organisms and fish resulting. In cooler weather, animals may recolonize as dissolved oxygen concentrations increase.

Grand Solutions?

Or small positive steps (“one small step for a man...”)

- Freshwater canals-require homes bordering canals to leave the last five to ten feet between rear property line and waters edge natural or clear the brush/native vegetation and plant an attractive waters edge plants not requiring fertilizers or mowing.
- Saltwater canals-divert street runoff from canals to retention ponds or some other location, require bulkheads to meet specifications, i.e. not be deteriorating or damaged

City of Palm Coast, Florida Agenda Item

Agenda Date: 2/27/2020

Department PLANNING Item Key 7868	Amount Account #
Subject CLIMATE CHANGE UPDATE	
Background: Continuing the conversation on providing recommendations to City staff based on feedback from the Planning and Land Development Regulation Board.	
Recommended Action: Discussion purposes.	