



Public Works Committee

3:30 p.m., Wednesday, June 8, 2022

Council Chambers

1207 Palm Boulevard

Isle of Palms, South Carolina

Public Comment:

All citizens who wish to speak during the meeting must email their first and last name, address and topic to nicoled@iop.net no later than **3:00 p.m. the day before the meeting**. Citizens may also provide public comment here:

<https://www.iop.net/public-comment-form>

Agenda

1. **Call to order** - and acknowledgement that the press and public have been duly notified of the meeting in accordance with the Freedom of Information Act.
2. **Approval of previous meeting's minutes** – May 4, 2022
3. **Citizens' Comments** – All comments will have a time limit of three (3) minutes.
4. **Departmental Reports** – Director Pitts and Assistant Director Asero
5. **Old Business**
 - a. Update on Phase III Drainage Project
 - b. Update on the installation of improvements to golf cart path along Ocean Park Plaza and intersection improvements at Ocean Boulevard and JC Long Boulevard
 - c. Discussion of improvements to existing compactor located at the small Municipal Parking lot
6. **New Business**

Discussion of recommendation from the Environmental Advisory Committee on beach holes and shovel prohibition
7. **Miscellaneous Business** – None
8. **Executive Session** – If needed
9. **Adjournment**



PUBLIC WORKS COMMITTEE
3:30pm, Wednesday, May 4, 2022
1207 Palm Boulevard, Isle of Palms, SC
and broadcasted live on YouTube: <https://www.youtube.com/user/cityofisleofpalms>

MINUTES

1. Call to order

Present: Council members Bogosian, Hahn, and Ward

Staff Present: Administrator Fragoso, Director Kerr, Director Pitts, Asst. Director Asero

2. Approval of previous meeting's minutes – April 6, 2022

Council Member Hahn made a motion to approve the minutes of the April 6, 2022 meeting, and Council Member Bogosian seconded the motion. The motion passed unanimously.

3. Citizens' Comments -- none

4. Department Reports – Director Pitts and Assistant Director Asero

Director Pitts said garbage collection and yard debris collections are both down a bit for April. 42 tons of miscellaneous garbage was taken off the island. Vehicle maintenance was \$4,300 in April.

Asst. Director Asero gave the highlights of Public Works activities in April including ordering the valves for the project at 25th Avenue. He reported that the cost came in much lower than budgeted, for a savings of \$22,000. Facilities maintenance projects included the repair of the broken exterior sign at the Public Safety Building, A/C repair and replacement of ceiling tiles at the Public Works building, and the repair of Public Works washing station.

Work at the Front Beach focused on litter cleanup at the municipal lots. An extension of the irrigation was completed in municipal lot B for the new trees in that area. A Fill-A-Bag pole and cigarette urns were installed at the front beach and parking flags were installed on the kiosks.

An additional 100' of MobiMat was installed at 42nd Avenue. The MobiMat at 9th Avenue was removed and reinstalled. New cedar fencing was installed at the golf cart path at the Carmen R. Bunch Park.

The compactor pad and recycling area are being cleaned weekly now. Bait stations for the rat trips have been set around the perimeter of the area. Staff continues to work with Mr. Jones on the best alternatives for keeping the area cleaner and rodent free.

5. **Old Business**

A. **Update on Phase III Drainage Project [Strategic Plan Priority 5, Goal c]**

Director Kerr reported that the contractor for the project is onsite this week and work is proceeding as expected. He said they will be working on the golf course at 30th and Waterway Boulevard first. Staff is still negotiating with the contractor on ways to mitigate the effects of the road closures anticipated in the summer. The contractor has said the road closures could last up to six weeks.

He also reported that grant writers feel positive about the amendment being made to the funding request for the 41st Avenue outfall project to add the piping over of the ditch at Waterway Boulevard and 41st Avenue to create more parking. Modifying the permits will require a bit of additional expense. Staff anticipates the cost of piping over the ditch to cost approximately \$500,000 and will bring the proposals back to the Committee for consideration.

B. **Update on the installation of improvements to golf cart path along Ocean Park Plaza and intersection improvements at Ocean Boulevard and JC Long Boulevard [Strategic Plan Priority 1, Goal b]**

Director Kerr reported that contracts for these projects have been executed. They anticipate the work at Ocean Park Plaza to begin around May 14. A pre-construction meeting for the other improvements has been set up, but there is no start date for that project yet.

C. **Discussion of request from The Dinghy to relocate existing compactor located at the Small Municipal Parking Lot**

Director Kerr said staff is monitoring the effectiveness of a more rigorous cleaning regimen in this area to determine next steps. The exterminator recommended building a cinderblock wall to deter the rodents.

Director Pitts said Mr. Jones is supportive of the City's efforts to keep the area clean. He said moving the compactor forward 15-20' may help and result in the loss of only one parking space. More decisions will be made after time has passed to determine the success of current efforts.

Council Member Ward would like this item to be kept on the agenda for future updates.

6. **New Business**

A. **Presentation of status update on Phase 4 Drainage Comprehensive Master Plan by Davis & Floyd**

Representatives of Davis & Floyd gave an overview of the work that has been completed to date on the Master Drainage Plan as well as some conceptual highlights of options to enhance drainage in the areas most prone to flooding.

The survey of the City's drainage infrastructure is complete, and staff has possession of that. Three monitoring stations have been installed on the island to quantify existing conditions,

“looking at water level and rainfall and things that are going to contribute to flooding or exacerbate existing conditions.”

They have identified 8 high priority areas across the island where at least 6” of water remains standing for more than 30 minutes. They are looking at and pricing solutions for each of those areas.

The report will account for some level of sea level rise. The project is on schedule and is anticipated to be complete in the fall.

7. Miscellaneous Business

The next meeting of the Public Works Committee will be Wednesday, June 8, 2022 at 3:30pm.

8. Adjournment

Council Member Bogosian made a motion to adjourn, and Council Member Hahn seconded the motion. The meeting was adjourned at 4:15pm.

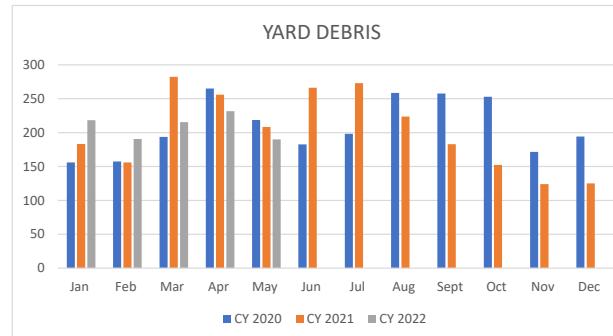
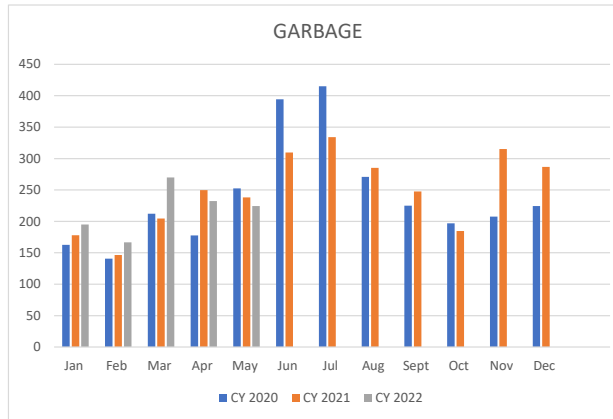
Respectfully submitted,

Nicole DeNeane
City Clerk

City of Isle of Palms, SC
Public Works Department - May 2022 Report

	<u>CY 2020</u>	<u>CY 2021</u>	<u>CY 2022</u>
Column1			
Jan	162.77	177.84	195.16
Feb	140.66	146.48	166.74
Mar	212.04	204.6	269.88
Apr	177.52	249.86	232.29
May	252.56	238.23	224.49
Jun	394.38	309.71	
Jul	415.12	334.17	
Aug	270.71	285.21	
Sept	224.87	247.76	
Oct	196.94	184.63	
Nov	207.44	315.31	
Dec	224.45	286.85	

	<u>CY 2020</u>	<u>CY 2021</u>	<u>CY 2022</u>
Column1			
Jan	155.93	183.07	218.4
Feb	157.44	156.06	190.63
Mar	193.74	282.37	215.58
Apr	265.04	256.07	231.64
May	218.67	208.32	190.02
Jun	182.49	266.23	
Jul	198.07	273.08	
Aug	258.37	223.64	
Sept	257.64	182.96	
Oct	252.81	152.16	
Nov	171.54	124.04	
Dec	194.08	125.14	



General duties

Sanitation:

36.53 misc. waste
was transported to Palmetto Commerce Pkwy. **

VEHICLE MAINTENANCE Beginning Budget \$90,000.00

05/01/2022	10-4620.5017	VEHICLE MAINTENANCE	BEG. BALANCE	58,683.91
05/01/2022 AP INV	PW-26	2014 MACK PM SERVICE, A/C SERVICE,	3,329.39	62,013.30
05/05/2022 AP INV	PW-22	2008 MACK AIR DRYER REPLACEMENT,	3,204.10	65,217.40
05/11/2022 AP INV		FUEL WATER SEPERATOR INLINE FILTER	92.52	65,309.92
05/18/2022 AP INV		DEPOSIT FOR SAFETY SIGN ON THE CAT LOADE	819.02	66,128.94
05/19/2022 AP INV		HOSE ASSY - HYD COUNTER	381.54	66,510.48
05/23/2022 AP INV		HOSE-ASSEMBLY-HYD-COUNTER	279.36	66,789.84
05/25/2022 AP INV	PW 2 -	2006 MACK - PM SERVICE, ABS & MAR	1,138.04	67,927.88
05/25/2022 AP INV	PW-24	2009 MACK - PM SERVICE, A/C SERVIC	1,809.19	69,737.07
05/31/2022	10-4620.5017	END BALANCE	11,053.16	69,737.07

City of Isle of Palms, SC
Public Works Department
Robert Asero, Assistant Director of Stormwater & Facilities
Monthly Report: April 2022

Drainage

- Reviewing of Charleston County stormwater drainage plans for new home construction.
- Received delivery on 3 tide valves for 25th Ave. SCDOT project.
- Monitoring progress at the 30th Ave outfall project.
- Vegetation removal at 41st Ave and Forest trail to 34th Ave ditch.

Facilities

- City hall roof leak and wall repair.
- Ledfords termite application at city hall.
- Scheduled generator test at PSB with electrician and Trident construction.
- Safety walkthrough at the public works department.
- Repair of bathroom leak at PSB
- Estimates for security system for the public works department.

Front beach

- Liter cleanup of municipal lot A-B, front beach and Ocean Blvd. by public works.
- Managing public restrooms and supplies.
- Irrigation installation for trees in municipal lot B.
- Installation of cigarette receptacles.
- Re-installing turtle sign and statue.
- Coordination with IOP cleanup crew for beach sweeps.

Landscaping / Rights of way / Connector / Parks

- Clean up of the connector debris by public works and the sweeping contractor.
- Coordination of the Ocean Park Plaza golf cart entrance/exit.
- Ongoing installation of replacement and straightening street signs.
- Managing city wide landscape maintenance crews.
- Regrading and installation of 200 feet. Mobi-mat at 9th Ave.
- Regrading and installation of an additional 50 feet of Mobi mat at 42nd Ave.
- Discussions with the FD of an additional emergency entrance/exit at 14th Ave.
- City wide flower installation.
- Memorial Day flag installation.
- Installation of Welcome sign to the public dock.

Compactor / Dumpster / litter control

- Cleaned compactor pad and recycling area.
- Power washing of compactor and concrete pad public works and contractor.
- Completion of welding a new gate for the compactor.
- Completion of welding new garbage chute for compactor.
- Removal of bulk items left by the PSB compactor weekly.
- Weekend monitoring by the restroom attendant of the garbage compactor and recycling.

Certifications, training and meetings

- Monthly UST testing of marina, public works and public safety building.
- Monthly meeting with Thomas and Hutton, Quality Enterprises for the 30th outfall project.
- Scheduling interviews for public works stormwater foreman.

Sec. 5-4-15. Beach regulations.

- (A) No land or building situated in whole or in part in a critical area as defined in S.C. Code 1976, § 48-39-10, as amended, shall be used, occupied, constructed, altered or moved without compliance with the State of South Carolina Beachfront Management Act (S.C. Code 1976, § 48-39-10 et seq., as amended).
- (B) No land, building or other manmade structure situated in whole or in part landward of the critical area as defined in S.C. Code 1976, § 48-39-10, as amended, but within a two hundred fifty-foot (250') radius of the mean high-water mark of the Atlantic Ocean, Breach Inlet, or Dewees Inlet, shall be used, occupied, constructed, erected, altered or moved except in compliance with the requirements set forth in this section and all other requirements set forth in this chapter or any other City ordinance.
 - (1) Only beach-compatible sand may be used for any erosion control or beach renourishment activities. Sea walls, revetments, bulkheads, groins, rip-rap or any other hard erosion control structures or devices are strictly prohibited. Hard erosion control structures or devices shall include bags with a capacity greater than five (5) gallons per bag. Hard erosion control structures or devices shall not include bags containing beach-compatible sand with a capacity of five (5) gallons or less per bag, subject to the following restrictions:
 - (i) No straps, soldier piles, tape, wire, rope, or any other material or device shall be used to hold together or fasten any sand bags in place;
 - (ii) No filter cloth, geotextile fabrics, mats or other underlayments shall be placed in conjunction with the use of any sand bags; and
 - (iii) All sandbags shall be commercially manufactured for the purpose of holding sand, be tan, off-white or white in color, and manufactured with single layer fabric, with a grab tensile strength not exceeding three hundred (300) pounds or a trapezoidal tear strength not exceeding one hundred (100) pounds.
 - (2) Walkways over sand dunes which meet all of the requirements of S.C. Code 1976, § 48-39-130(D), as amended, and all regulations promulgated thereunder, shall be allowed.
 - (3) Placement of sand fence and installation of vegetation in accordance with OCRM Critical Area Regulations R.30-13 shall be allowed.
 - (4) Other than walkways over dunes, sand fencing and vegetation, no alteration of primary oceanfront sand dunes shall be allowed.
- (C) No person shall obstruct any beach or beach access within the City. Violation of this section shall be a misdemeanor, and punished in accordance with the provisions of section 1-3-66.
 - (1) For purposes of this section, the term "beach access" means any public route of ingress to and egress from the beach.
 - (2) For purposes of this section, the term "obstruct" or "obstruction" means any act or occurrence that inhibits pedestrian use of the beach access, including but not limited to the placement of vegetation or fencing within the beach access, the erection of any barrier within the beach access, any change in topography in the beach access, or the placement of any material in, on, over, under or touching the beach access that impedes or adversely affects pedestrian use.
 - (3) The City shall have the right to remove all obstructions to the beach or beach accesses. In removing such obstructions, the City, its employees, contractors and agents, may enter onto private property in order to remove the obstruction.

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- (4) All costs of removal, including costs of personnel and equipment and any reimbursement for damage, shall be borne by the person placing or creating the obstruction.
 - (5) The following activities are deemed to be obstructions to beach access, and are punishable in accordance with section 1-3-66:
 - (a) It shall be unlawful to drive a vehicle on any public beach or beach access, except as follows:
 - (1) Vehicular use of the beach and beach access which is determined by the City Council to be for public health and safety purposes;
 - (2) Emergency use of the beach and beach accesses by emergency vehicles; or
 - (3) Other vehicular use of the beach or beach accesses approved by City Council.
 - (b) It shall be unlawful to park a vehicle in the public right-of-way in such a manner as to block or obstruct use of a beach or beach access.

(D) Digging holes and shovels. Anyone digging a hole or creating a sand structure on the beach shall restore the sand to its natural condition before leaving the beach and no later than thirty (30) minutes prior to sunset as stated by the National Weather Service. Shovels, except those that are made of wood and/or plastic and that are less than thirty (30) inches in length and six (6) inches in width, shall be prohibited on the beach. No persons shall dig any hole to a depth greater than twelve (12) inches on the beach. Authorized personnel, including members of the Island Turtle Team, City employees performing work related to beach preservation, and others approved by the City shall be exempt from the application of this section.

COASTAL OBSERVER

Wednesday June 1, 2022

BEACHES

County considers restrictions as beach holes get deeper

By **Chris Sokoloski** | July 1, 2021

A favorite pastime for some beachgoers is digging holes in the sand. But holes that are not filled in can be a danger to turtles and humans.

“Nothing gets done with these holes that are dug on a daily basis,” Nancy Crawford, a Hagley resident, recently told County Council. “Until somebody gets killed, or a collapse happens to kids that are put into these holes because people don’t use common sense to know that sand is going to fall in on a person, nothing’s going to change.”

Officials said the county is now looking at ways to address the problem.

Crawford, who walks Litchfield Beach as a volunteer S.C. United Turtle Enthusiasts, urged the county to follow the lead of Myrtle Beach. A new city ordinance prohibits holes deeper than two feet and the use of metal shovels for recreational digging. It requires that all holes be filled before the digger leaves the beach.

“I think that’s a great ordinance,” said Betsy Brabson, who leads the SCUTE volunteers at DeBordieu, where holes on the beach have been a problem for years.

“It’s like the goal is to make it as big and as deep and sometimes put a child in it, which is so dangerous,” Brabson said.

Crawford said last summer she found a hole at Litchfield so big a Mini Cooper would fit in it. The renter whose family was responsible for the hole refused to fill it in.

“They actually had seats cut out inside of that hole, that’s how big it was,” Crawford said. “It was a joke for the guy renting the property that every day he was going to make it bigger.”

SCUTE contacted the sheriff’s office, who said they couldn’t do anything because the county does not have an ordinance prohibiting holes on the beach.

“I have no legal authority. I can’t tell them to stop,” Sgt. Chuck Weaver, head of the beach patrol, said.

About half the people he talks with about digging holes understand the concern and fill them in, he said.

“Residents definitely walk the beach at night and are very concerned,” Cindy Kerr, president of the Litchfield Beaches Property Owners Association, said. “You turn the lights out for the turtles and everyone’s got a smart phone that’s got a flashlight on it, but even so, if you’re not paying attention some of those holes are super deep.”

After the council meeting, Crawford spoke with Beth Goodale, director of the county’s Parks and Recreation Department, which oversees the county’s beaches. Crawford said Goodale told her she was working on an ordinance.

County Council Member John Thomas said he is not aware of any “official effort to try to police hole digging.” He said a new ordinance would be hard to enforce.

“Horry County has got a lot bigger budget for its beach,” Thomas said. “We’ve tried to emulate some of the things that Horry County’s doing on Litchfield beaches, but we just don’t have the budget to do the kinds of things that Horry County does. That would include enforcement.”



A hole at Litchfield by the Sea, which vacationers said was deep enough to strike water as it was being dug.

Brabson said when her volunteers find a hole she calls DeBordieu security and they send out a maintenance person to fill it in. “We would rather whoever dug it fill it in,” she added.

Mary Schneider, who leads SCUTE volunteers on Pawleys Island, said holes are not a big problem there because so many people return year after year and know not to dig.

“We really do have a lot of cooperation,” she said.

Thomas and his wife, Peg Howell, used to be SCUTE volunteers and walk the beach. In 2013, they found a hole that looked like a swimming pool.

“It had two different levels and it was coated with a plastic sheet,” Thomas said. “It took us a long time to get the plastic out and then we filled in the hole. That was the most amazing one to me.”

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LOCAL EVENTS

Meetings

Georgetown County Board of Education: First and third Tuesdays, 5:30 p.m., Beck Education Center. For details, go to gcsd.k12.sc.us.

Georgetown County Council: Second and fourth Tuesdays, 5:30 p.m., Howard Auditorium, Hawkins Street, Georgetown. For details, go to georgetowncountysc.org.

Pawleys Island Town Council: Second Mondays, 5 p.m. Virtual meetings. For details, go to townofpawleysisland.com.

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SPECIAL ISSUE



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https://www.postandcourier.com/news/mysterious-beach-holes-prompt-kiawah-town-council-to-consider-ban-on-metal-shovels/article_6a5e80c4-c31d-11e7-b8f9-ff998dd73daf.html

Mysterious beach holes prompt Kiawah Town Council to consider ban on metal shovels

BY PRENTISS FINDLAY PFINDLAY@POSTANDCOURIER.COM

NOV 6, 2017



Kiawah Town Council is considering banning metal shovels on the beach because they are used to dig deep holes that pose a public safety hazard. Kiawah Island/Provided

KIAWAH ISLAND — A persistent problem with holes on the beach big enough to pose a public safety hazard has prompted Town Council to ban metal shovels used for digging them.

Why anyone wants to dig a hole so large is a mystery.

“Frankly, I don’t get it,” said Mayor Craig Weaver. “For whatever reason in the last few years we’ve had more and more of a propensity for people to dig rather large, deep holes on the beach. Increasingly these holes have become a potential public

safety issue.”

Town Council is scheduled to consider the beach metal shovel ban Tuesday. It prohibits digging holes that substantially alter the contour or shape of the beach. The council gave initial unanimous approval to the measure last month. The vote Tuesday is for second and final approval.

“No one has been hurt yet but when someone digs a waist-deep hole and leaves it, that can become hazardous to people walking the beach, turtles and beach patrol vehicles,” said town spokeswoman Stephanie Edgerton.

Violators may face a fine up to \$500, Edgerton said.

The ordinance does not stipulate how big of a hole is too big but rather leaves that determination to the discretion of town officials. It allows plastic shovels up to 14 inches long for common activities such as building sand castles.

The problem has occurred elsewhere. Two years ago, Folly Beach firefighters filled a deep hole excavated on the beach that prompted public safety officials to ask that people dig responsibly. On Isle of Palms, the city asks that people who dig on the beach put the sand back in place before leaving.

It also can be fatal. A 2007 report in the New England Journal of Medicine said 52 cases of collapsing sand holes during a 10-year period resulted in 31 deaths in the 12 U.S. states examined.

Other incidents were seen in Australia, Great Britain and New Zealand, leading to deaths, rescuing and CPR, according to news reports.

Reach Prentiss Findlay at 843-937-5711.

PRENTISS FINDLAY

EXAMPLE ORDINANCES

Kiawah Ordinance:

Sec. 16-409. Digging holes on the beach prohibited.

Altering the contour or shape of the flat beach area by digging shall be prohibited. No person shall possess on or about Kiawah's beach a metal shovel of any type. Violators will be subject to assessed fines in accordance with section 16-816 of this chapter.

Exceptions:

- (1) Kids' plastic shovels no more than 14 inches in length;
- (2) Authorized personnel; and
- (3) Sponsored KICA, KIGR or TOKI events. All holes created shall be filled at the end of the event or penalties shall be assessed to the sponsor in accordance with section 16-816 of this chapter.

(Ord. No. 2017-20 , § 2, 11-7-2017)

Hilton Head Ordinance:

Sec. 8-1-211. Unlawful activities enumerated.

- (22) *Digging holes and shovels.* Anyone digging a hole or creating a sand structure on the beach shall restore the sand to its natural condition before leaving the beach and no later than thirty (30) minutes prior to sunset as stated by the National Weather Service. Shovels, except those that are made of wood and/or plastic and that are less than thirty (30) inches in length and six (6) inches in width, shall be prohibited on the beach. No persons shall dig any hole to a depth greater than twelve (12) inches on the beach. Authorized personnel, including members of the Sea Turtle Patrol, town employees performing work related to beach preservation, and others approved by the town shall be exempt from the application of this section.
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Myrtle Beach Ordinance:

Sec. 5-14. Personal use of public beach structures prohibited; obstruction on the beach prohibited; items left are considered abandoned.

- (d) Except for city issued special permitted events, metal shovels shall not be used for recreational digging on the beach. City personnel working in their official capacity are exempt from this section.



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