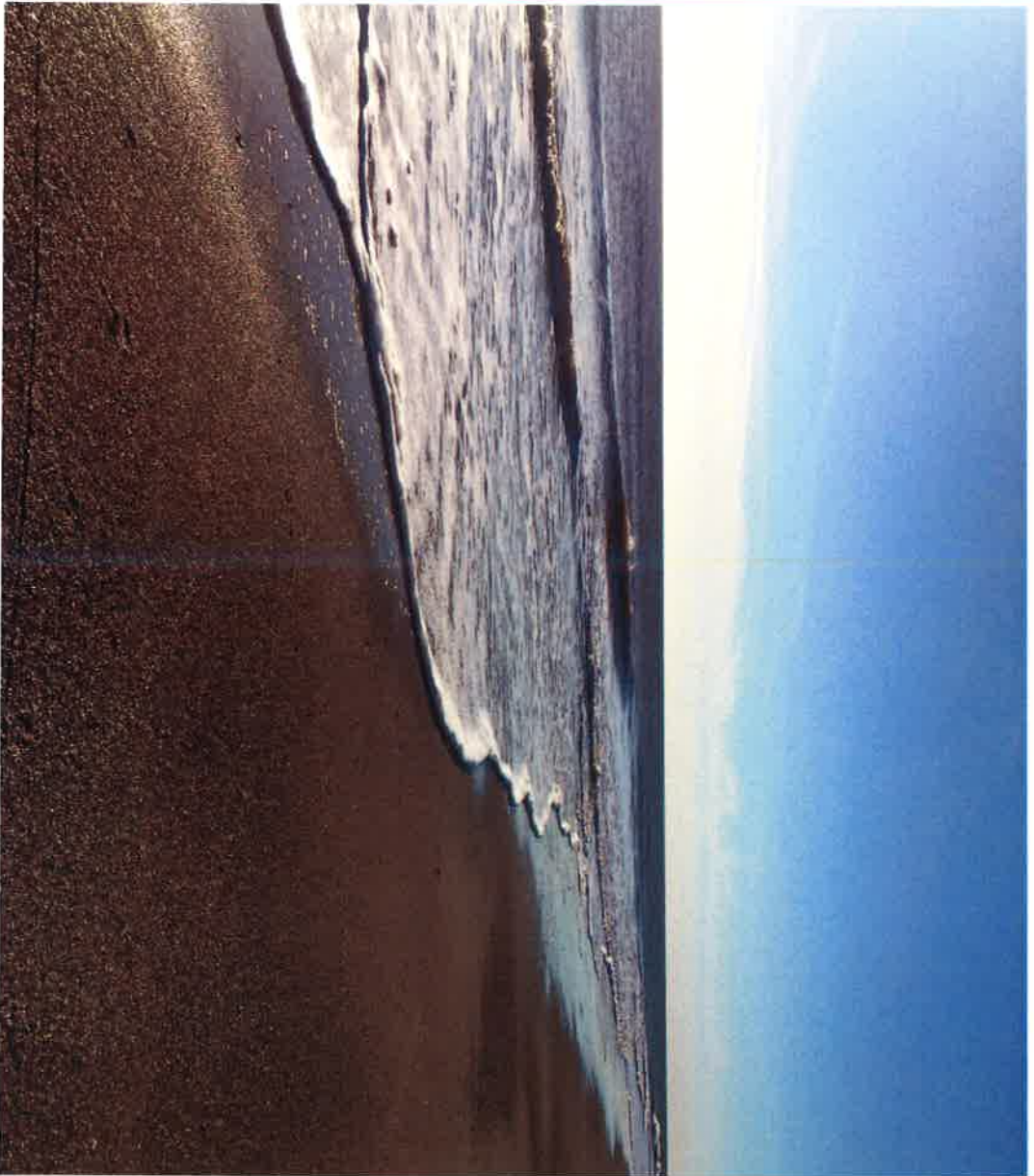


PROPOSAL FOR IMPROVED SHORELINE PROTECTION - PHASE II - (4) AT GRADE CROSSOVERS



We are requesting authorization to remediate four (4) at grade beach access points: Center Street, 3rd Street, 2nd Street, and Gulick Street, by adding subsurface stabilized dunes. Center Street and 2nd Street will be closed to vehicular access. 3rd Street (center island access) and Gulick Street (north island access) will provide vehicular access for Public Safety and Department of Public Works vehicles only, and enhance the landscaping on the landward side of the impact area.

In its duty to promote beach preservation and the prevention of shoreline erosion, the City of Tybee Island Beach Task Force examined each of the City's 27 public beach access points. As part of the assessment, the access points were evaluated based on type of crossover (pedestrian or vehicular), condition of the crossover, whether it was critical to emergency access or heavy pedestrian traffic during season, and its flooding potential.

In summary, the condition of our dune system is good but has been seriously weakened by both Hurricanes Matthew and Irma and most recently by Hurricanes Florence and Michael in 2018. There are several points at which dunes should be improved.

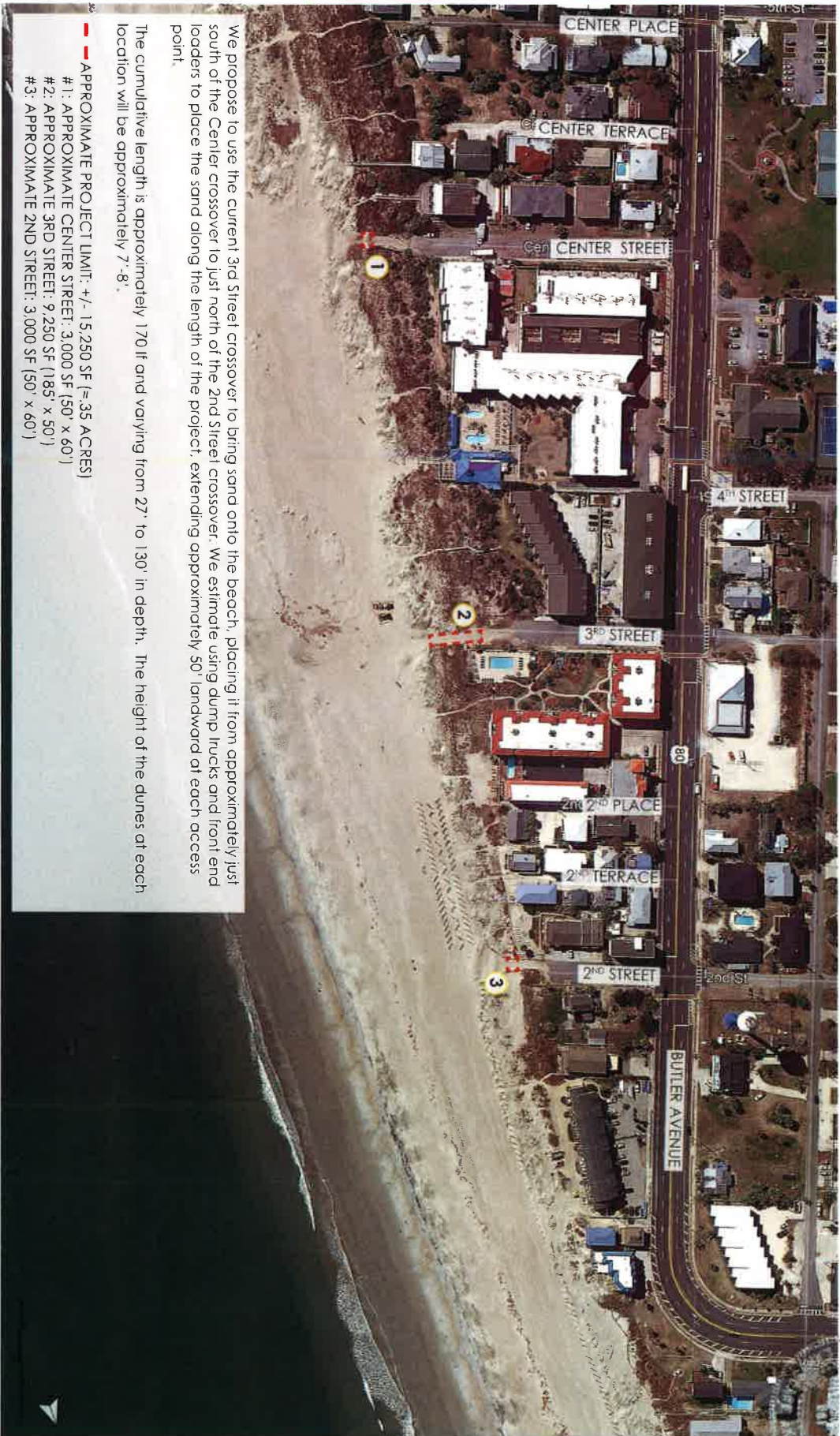
In April of 2018, under SPA Permit #460, we constructed a stabilized dune at the 19th Street access point, providing vehicle access to the south end of the island.

There remain four vehicle access points, included in this request, that weaken the dune system dramatically because they are relatively large and at grade. During Hurricanes Matthew and Irma the City experienced significant flood events at these vehicle access points, specifically Center, 3rd, and 2nd Streets.

For purposes of this request for a Letter of Permission, we are limiting the impact area to these four specific access points.

As we consider our recommendation we are mindful of City emergency vehicle access (fire, police, lifeguard), adequate public access (number and locations), ADA access (height, degree of slope, and wheelchair accessibility) requirements, GADNR Shoreline Protection and Coastal Marshlands Protection requirements, and Public Works access.

EXISTING CONDITIONS, SCOPE, IMPACT AREA - CENTER STREET, 3RD STREET, 2ND STREET



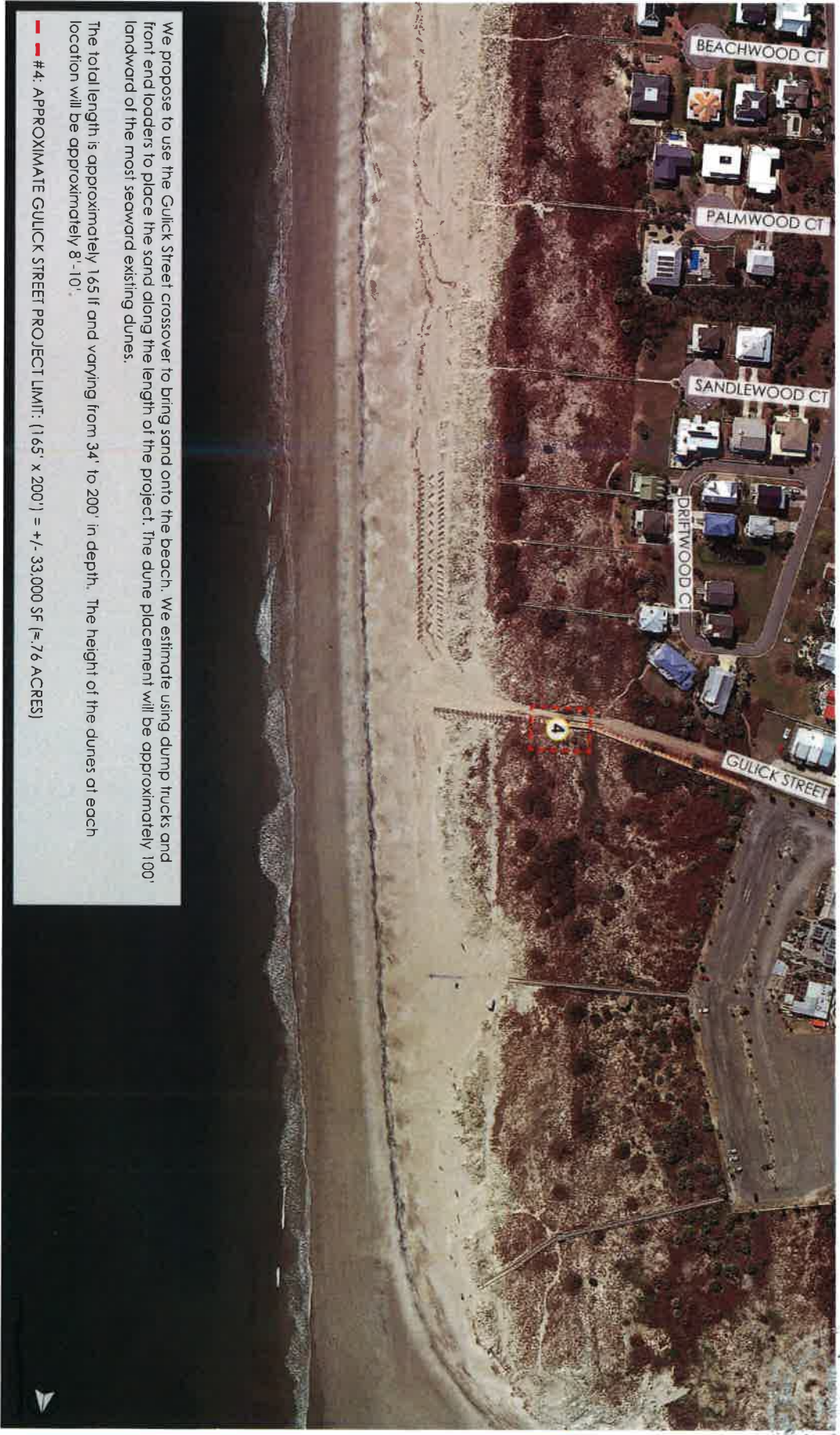
We propose to use the current 3rd Street crossover to bring sand onto the beach, placing it from approximately just south of the Center crossover to just north of the 2nd Street crossover. We estimate using dump trucks and front end loaders to place the sand along the length of the project, extending approximately 50' landward at each access point.

The cumulative length is approximately 170' and varying from 27' to 130' in depth. The height of the dunes at each location will be approximately 7'-8'.

- - - APPROXIMATE PROJECT LIMIT: +/- 15,250 SF (= .35 ACRES)
- # 1: APPROXIMATE CENTER STREET: 3,000 SF (150' x 60')
- # 2: APPROXIMATE 3RD STREET: 9,250 SF (185' x 50')
- # 3: APPROXIMATE 2ND STREET: 3,000 SF (150' x 60')



EXISTING CONDITIONS, SCOPE, IMPACT AREA - GULICK STREET



We propose to use the Gulick Street crossover to bring sand onto the beach. We estimate using dump trucks and front end loaders to place the sand along the length of the project. The dune placement will be approximately 100' landward of the most seaward existing dunes.

The total length is approximately 165' and varying from 34' to 200' in depth. The height of the dunes at each location will be approximately 8'-10'.

— #4: APPROXIMATE GULICK STREET PROJECT LIMIT: (165' x 200') = +/- 33,000 SF (≈ 7.6 ACRES)



TYBEE ISLAND DUNE RESTORATION 2019

22 FEBRUARY 2019

PRESENTED BY:

ALAN ROBERTSON - AWR STRATEGIC CONSULTING, LLC - AGENT



Strategic Consulting
Strategic Planning, Practical Execution



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PUBLIC INTEREST CONSIDERATIONS

In passing upon the application for a Shore Protection Act permit, the permit-issuing authority shall consider the public interest which for purposes of this part shall be deemed to be the following considerations:

(1) Whether or not unreasonably harmful, increased alteration of the dynamic dune field or submerged lands, or function of the sand-sharing system will be created; As proposed, the project will not unreasonably harm the sand-sharing system. The project will actually, increase available sand within system. Landscaping with native, salt & drought tolerant vegetation will also enhance the stability of the restored sand dune and potentially provide protection from storm surge associated with weather events.

(2) Whether or not the granting of a permit and the completion of the applicant's proposal will unreasonably interfere with the conservation of marine life, wildlife, or other resources; and As proposed, the dune restoration project will add suitable nesting habitat for sea turtles at this location.

(3) Whether or not the granting of a permit and the completion of the applicant's proposal will unreasonably interfere with reasonable access by and recreational use and enjoyment of public properties impacted by the project. The project will provide passive recreational opportunities to the State's SPA jurisdiction as well as enhance recreational use by various user groups.

HAZARDOUS WASTE

A review of the Hazardous Waste Site Index for Chatham County, GA indicates that the project site does not contain hazardous waste sites or landfills.

MAYOR
Jason Buelterman

CITY COUNCIL
Barry Brown, Mayor Pro Tem
Wanda Doyle
John Branigin
Monty Parks
Julie Livingston
Shirley Sessions



CITY MANAGER
Shawn Gillen

CITY CLERK
Janet LeViner

CITY ATTORNEY
Edward M. Hughes

CITY OF TYBEE ISLAND

December 21, 2018

Mr. Karl Burgess
GA Dept. of Natural Resources, Coastal Resources Division
One Conservation Way, Suite 300
Brunswick, GA 31520

Re: Tybee dune improvement at four "at-grade" crossovers: Center, 3rd, 2nd, Gulick
Tybee Island, GA 31328

Dear Mr. Burgess:

The City of Tybee Island is requesting to restore the dune field at the remaining four "at-grade" access points to the beach: Center Street, 3rd Street, 2nd Street, and Gulick Street. Center and 2nd Streets will be closed to vehicular traffic. 3rd Street will provide City of Tybee Island emergency and DPW vehicles access to the middle of the island and Gulick Street will provide emergency and DPW access to the north end of the island.

This project does not violate any of the ordinances of The City of Tybee Island.

Sincerely,

A handwritten signature in blue ink, appearing to read "George Shaw".

George Shaw
Community Development Director

Cc: Alan Robertson
AWR Strategic Consulting, LLC

RECEIVED

DEC 21 2019
GA DNR / HMP

P.O. Box 2749 – 403 Butler Avenue, Tybee Island, Georgia 31328-2749
(866) 786-4573 – FAX (866) 786-5737
www.cityoftybee.org

January 7, 2019

Teresa Wilsdorf
GADNR CRD
1 Conservation Way
Brunswick, GA 31520

Application fee for City of Tybee Island Shore Protection Act permit application

Thanks
Deb

SPA20190002

DAVIS ENGINEERING, INC.

PO Box 1663
Tel. (912) 695-7262

Tybee Island, GA 31328
dkdbus@gmail.com

Georgia Department of Natural Resources / Coastal Resources Division
1 Conservation Way
Brunswick, GA 31520

Attn: Directors and Staff:

I have reviewed the Tybee Island Dune Restoration 2019. Based on my observations and experience and to the best of my knowledge, information and belief, the design improves Tybee Island's resistance to hurricane damage. Additionally, I find the design to be practical and an improvement to the existing dune system.

If you need any additional information, please advise.

Sincerely,



Downer K. Davis, Jr.
President

1

TYBdune_engineer certification