

JOINT
PUBLIC NOTICE

**CHARLESTON DISTRICT, CORPS OF ENGINEERS
1949 INDUSTRIAL PARK ROAD, ROOM 140
CONWAY, SOUTH CAROLINA 29526**

and

**THE S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Office of Ocean and Coastal Resource Management
1362 McMillan Avenue, Suite 400
Charleston, South Carolina 29405**

REGULATORY DIVISION

Refer to: P/N SAC-2014-00013

DATE May 22, 2018

Pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403), Sections 401 and 404 of the Clean Water Act (33 U.S.C. 1344), and the South Carolina Coastal Zone Management Act (48-39-10 et seq.), an application has been submitted to the Department of the Army and the S.C. Department of Health and Environmental Control by

**Mr. Steve Gosnell / Horry County Stormwater
c/o The Brigman Company
PO Box 1532
Conway SC 29528**

for a permit to perform routine re-alignment and stabilization activities in

SINGLETON SWASH

at a location southeast of N. Ocean Boulevard, situated between Dunes Golf and Beach Club and Sands Beach Club, in Myrtle Beach, Horry County, South Carolina (Latitude 33.7562°N, Longitude -78.7946°W), **Hand Quad**.

In order to give all interested parties an opportunity to express their views

NOTICE

is hereby given that written statements regarding the proposed work will be received by the **Corps** and SCDHEC until

30 Days from the Date of this Notice

from those interested in the activity and whose interests may be affected by the proposed work.

The proposed work consists of the routine re-alignment of Singleton Swash, restoration of a natural dune, and improved flushing of an upstream tidal estuary. In detail, Horry County Stormwater is proposing to perform routine re-alignment of Singleton Swash in order to abate its current southern migration. As a result of coastal processes associated with several beach nourishment efforts, Singleton Swash began southerly migrations beginning in 1997, eventually preventing tidal exchange with the Atlantic Ocean. The atypical migrations have resulted in the

loss of upland beach, a protective dune, and threatens structures on adjacent upland property. The frequent swash migrations led to routine realignments of Singleton Swash under Department of the Army permit 2005-2W-180P which authorized realignment activities until June 2017. In an effort to provide a permanent solution to channel migration, an open box culvert design was authorized on May 25, 2016 under SAC-2014-00013, which the applicant will abandon due to unexpected cost estimates. Horry County Stormwater is requesting a 10 year permit to perform routine re-alignment activities which will supersede the previous authorizations. The proposed activities include excavation of 0.57 acres of channel below the High Tide Line (HTL) and filling approximately 0.43 acres below the HTL for dune restoration. Additionally, these activities likely will restore the functions within the upstream estuary that have been diminished due to limited tidal flushing resulting from accumulated sediments within the swash mouth.

NOTE: Due to the dynamic nature of the continual coastal processes ongoing, the figures stated at the time of application may vary slightly during construction activities.

Specific Project Details Provided by the Applicant:

Proposed Construction Methodology:

Construction activities for this project will consist of the deposition of fill material for the re-construction of lost dune within the current location of the migrated swash channel, and routine excavation to re-establish the previous channel location across the beach face. These activities will be accomplished using a combination of bulldozers and tracked excavators and transported with off-road dump trucks. All dredged material will be used for the re-construction of dunes and beach face. Dredging activities will be carried out during low tide events to ensure proper tidal flushing is occurring and to limit suspended sediments from escaping upstream/downstream. Dunes restoration will be constructed to match the existing profile of adjacent undisturbed dunes. Upon the completion of construction, dunes will be stabilized with native vegetation. The newly constructed channel will be graded to match upstream depths.

Proposed Wetland Impacts:

The proposed impacts will result in fill associated with the dune restoration and excavation/dredging for the channel re-location. Specifically, impacts associated with the dune restoration consist of fill within 0.43 acres of the current location of the swash channel (below high tide line). Re-location of the swash channel to its previous location will result in 0.57 acres of excavation below the high tide line within the intertidal beach. Due to the dynamics of the swash and ongoing beach nourishment activities, the applicant is proposing the swash channel relocation within a 300' area along the beach front.

Long Term Maintenance Activities:

Due to the potential for the ongoing morphological changes of Singleton Swash driven by beach re-nourishment activities and coastal processes, the applicant is proposing a long-term maintenance plan to rely on ongoing swash realignment procedures to maintain proper tidal flushing. This plan will rely on routine onsite observations monitoring the infill of sediments and swash migration which will provide the applicant a proactive approach to avoid future dune erosion and diminished tidal flushing. In addition, the applicant will monitor water levels and maintain the camera on the adjacent Sands Beach Club property which provides real time photo documentation of swash activity. This will help the applicant to determine if a sill is forming at the

swash mouth resulting in diminished tidal flushing. Should swash migration occur, the applicant will notify USACE and OCRM prior to commencing the necessary activities to avoid dune erosion and swash migration.

Avoidance and Minimization:

The applicant stated: "Avoidance of impacts to wetland resources was not practicable due to frequent past migrations and the current location of the swash resulting in continual dune erosion and the infill of the swash mouth which has caused diminished tidal flushing within the upstream estuary. The proposed impacts will restore the 0.43 acres of dune that was lost due to the swash migration. These restoration efforts will restore a functional dune protecting inland areas and existing structures. The applicant through careful planning has chosen to limit impacts to only those necessary to restore the swash to its previous location and depth."

Proposed Mitigation:

The applicant offered no compensatory mitigation for the proposed impacts and stated: "no loss of function or character to the water resources will occur as a result of the proposed corrective actions."

Project Purpose:

The project purpose as stated by the applicant: "The purpose of the project is to relocate Singleton Swash to its historic location along the beach front in addition to conducting routine realignments during initial stages of annual migrations. These activities will restore and alleviate substantial dune erosion in addition to maintaining vital tidal flushing in the associated estuary."

NOTE: This public notice and associated plans are available on the Corps' website at:
<http://www.sac.usace.army.mil/Missions/Regulatory/PublicNotices> .

The District Engineer has concluded that the discharges associated with this project, both direct and indirect, should be reviewed by the South Carolina Department of Health and Environmental Control in accordance with provisions of Section 401 of the Clean Water Act. As such, this notice constitutes a request, on behalf of the applicant, for certification that this project will comply with applicable effluent limitations and water quality standards. The work shown on this application must also be certified as consistent with applicable provisions of the Coastal Zone Management Program (15 CFR 930). This activity may also require evaluation for compliance with the S. C. Construction in Navigable Waters Permit Program. State review, permitting and certification is conducted by the S. C. Department of Health and Environmental Control. The District Engineer will not process this application to a conclusion until such certifications are received. The applicant is hereby advised that supplemental information may be required by the State to facilitate the review.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. Implementation of the proposed project would impact **1.0** acres of estuarine substrates and emergent wetlands utilized by various life stages of species comprising the shrimp, and snapper-grouper management complexes. The District Engineer's initial determination is that the proposed action would not have a substantial individual or cumulative adverse impact on EFH or fisheries managed by the South Atlantic Fishery Management Council and the National Marine Fisheries Service (NMFS).

The District Engineer's final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the NMFS.

Pursuant to the Section 7 of the Endangered Species Act of 1973 (as amended), the Corps has reviewed the project area, examined all information provided by the applicant, and the District Engineer has determined that the project may affect, not likely to adversely affect any Federally endangered, threatened, or proposed species or result in the destruction or adverse modification of designated or proposed critical habitat. However, it has been determined that the project will have no effect on Shortnose Sturgeon (*Acipenser brevirostrum*) and/or the Atlantic sturgeon (*Acipenser oxyrinchus*) and will not result in the destruction or adverse modification of designated or proposed critical habitat. This public notice serves as a request for written concurrence from the U.S. Fish and Wildlife Service and/or the National Marine Fisheries Service on this determination.

Pursuant to Section 106 of the National Historic Preservation Act (NHPA), this public notice also constitutes a request to Indian Tribes to notify the District Engineer of any historic properties of religious and cultural significance to them that may be affected by the proposed undertaking.

In accordance with Section 106 of the NHPA, the District Engineer has consulted South Carolina ArchSite (GIS), for the presence or absence of historic properties (as defined in 36 C.F.R. 800.16)(1)(1)), and has initially determined that no historic properties are present; therefore, there will be no effect on historic properties. To ensure that other historic properties that the District Engineer is not aware of are not overlooked, this public notice also serves as a request to the State Historic Preservation Office and any other interested parties to provide any information they may have with regard to historic properties. This public notice serves as a request for concurrence within 30 days from the SHPO (and/or Tribal Historic Preservation Officer).

The District Engineer's final eligibility and effect determination will be based upon coordination with the SHPO and/or THPO, as appropriate and required and with full consideration given to the proposed undertaking's potential direct and indirect effects on historic properties within the Corps-identified permit area.

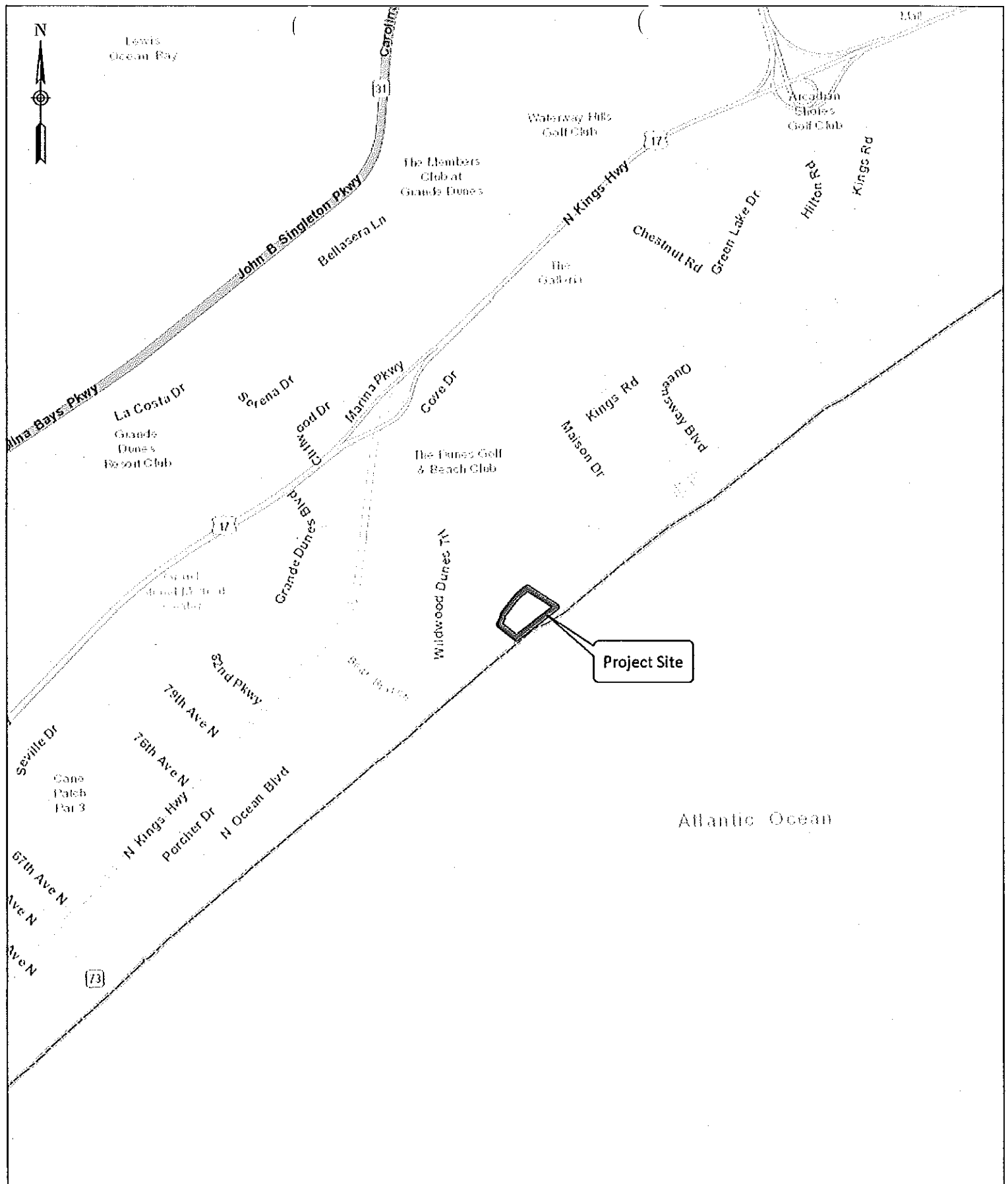
Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for a public hearing shall state, with particularity, the reasons for holding a public hearing.

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the activity on the public interest. The benefit which reasonably may be expected to accrue from the project must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the project will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production and, in general, the needs and welfare of the people. A permit will be granted unless the District Engineer determines that it would be contrary to the public interest. In cases of conflicting property rights, the Corps cannot undertake to adjudicate rival claims.

The Corps is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for this project. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the activity. **Please submit comments in writing, identifying the project of interest by public notice number, to the following address:**

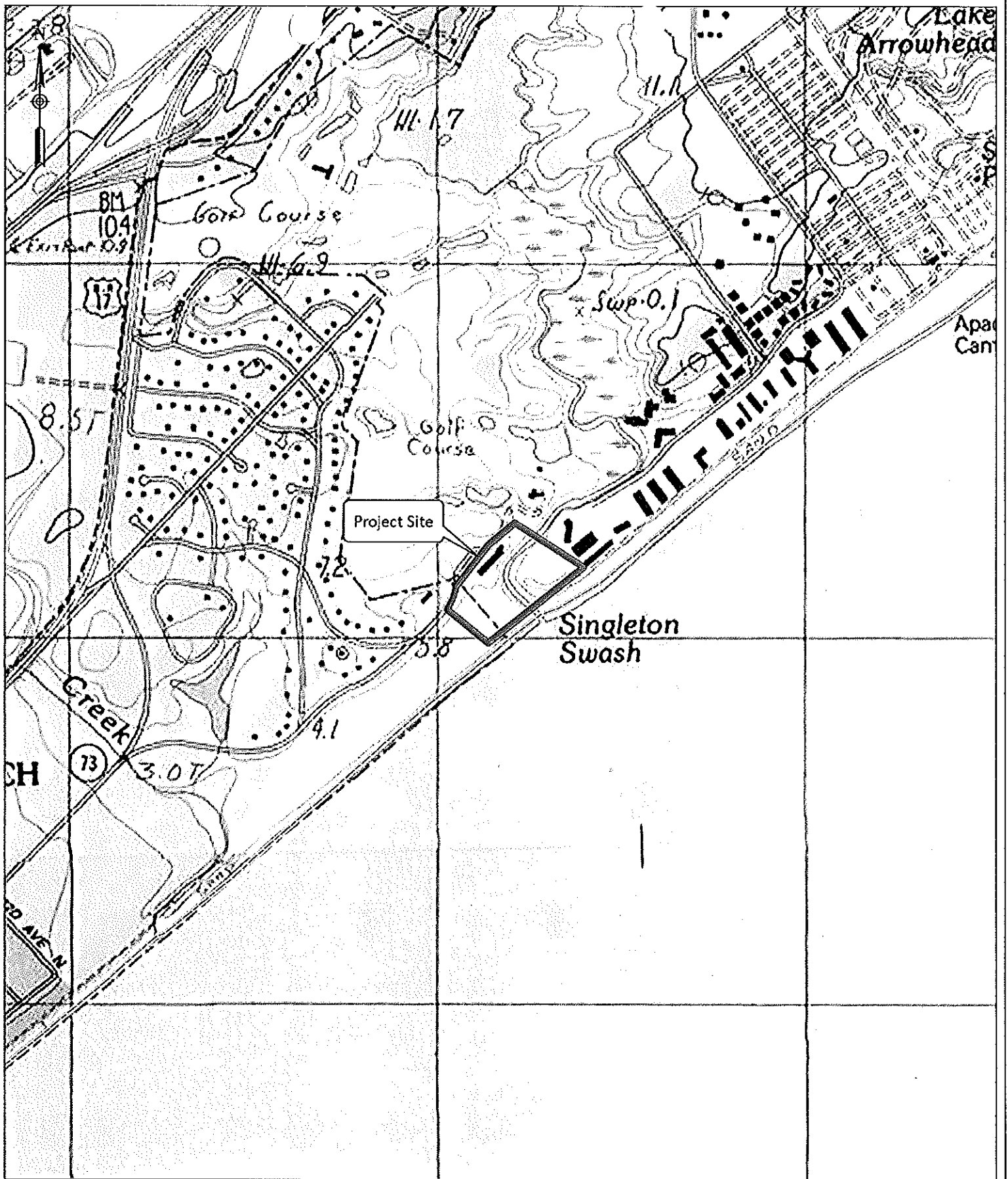
**U.S. Army Corps of Engineers
ATTN: REGULATORY DIVISION
1949 INDUSTRIAL PARK ROAD, ROOM 140
CONWAY, SOUTH CAROLINA 29526**

If there are any questions concerning this public notice, please contact T. Brian Hardee, Project Manager, at (843) 365-0848.



Vicinity Map
 Singleton Swash Realignment
 County: Horry
 Date: 5-8-18
 Application No.

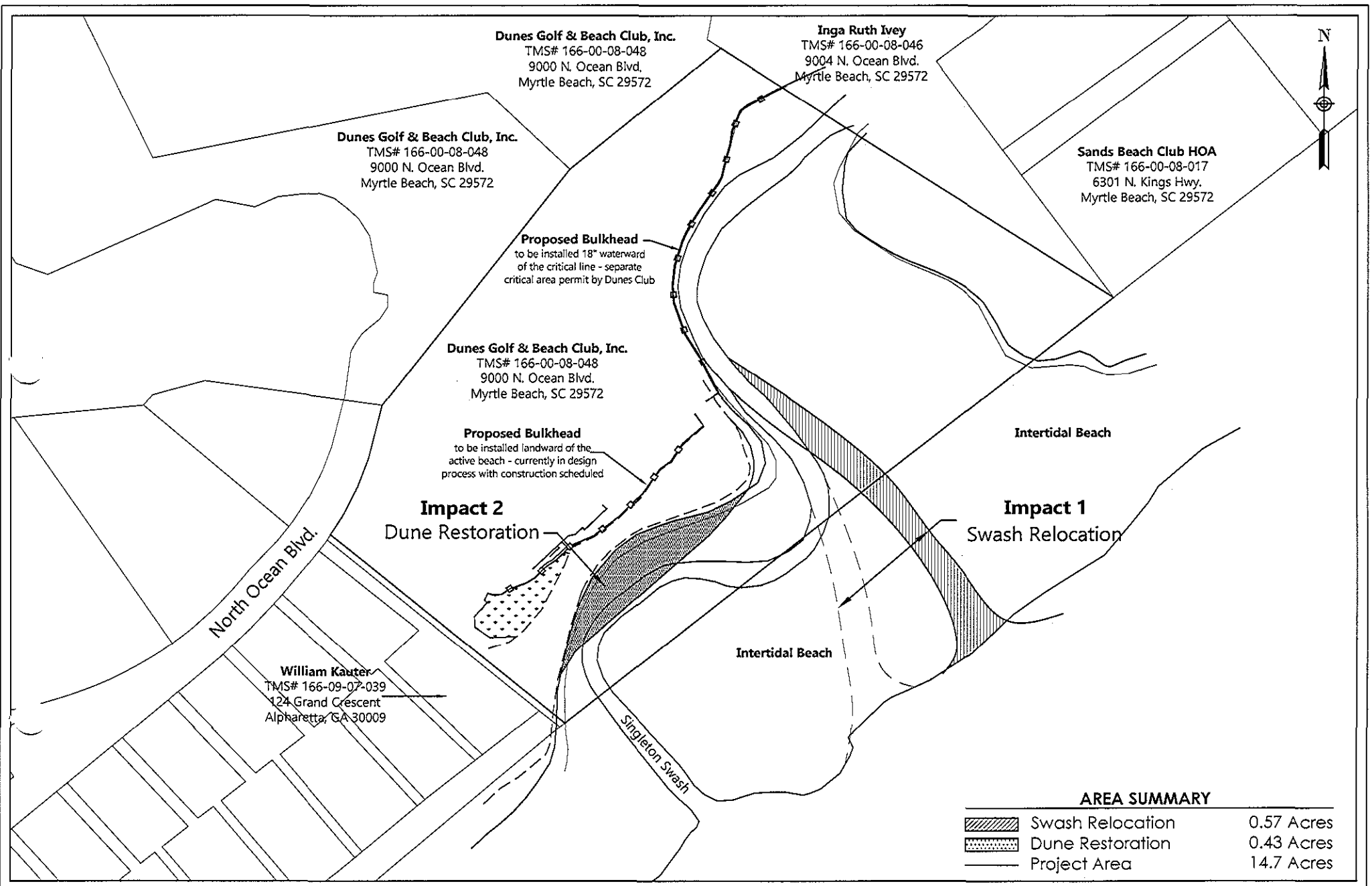
Proposed Activity: Dune restoration and swash realignment
 Applicant: Horry County Stormwater
 Figure 1



the
BRIGMAN
COMPANY
 wetland consulting · forest management · land surveying

USGS Topographic Map
 Singleton Swash Realignment
 County: Horry
 Date: 5-8-18
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Proposed Activity: Dune restoration and swash realignment
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 Figure 2



Overall Plan View
Singleton Swash Realignment
County: Horry
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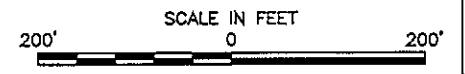
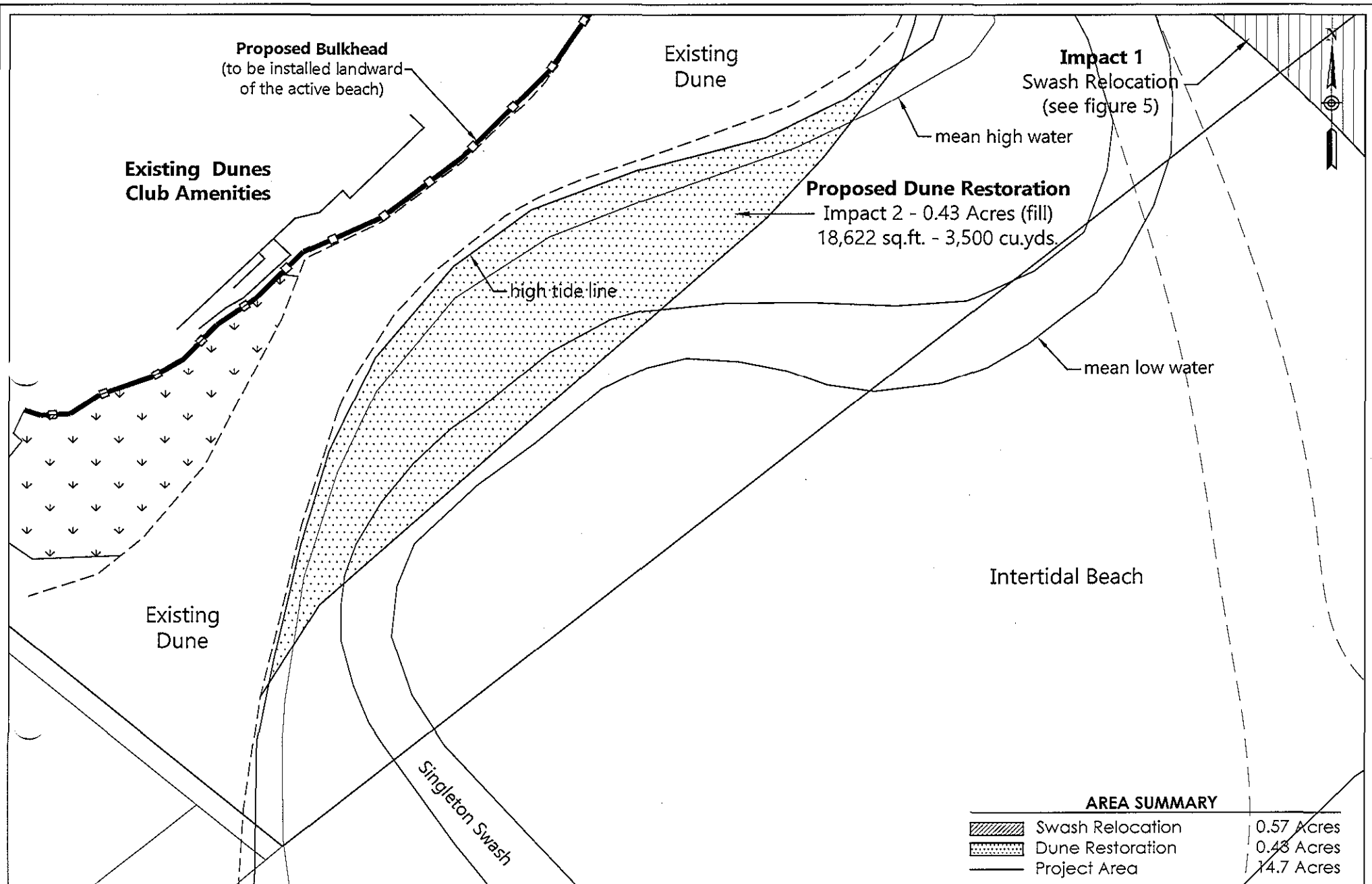





Figure 3



AREA SUMMARY

	Swash Relocation	0.57 Acres
	Dune Restoration	0.43 Acres
	Project Area	14.7 Acres



Plan View

Singleton Swash Realignment
 County: Horry
 Date: 5-8-18
 Application No.

Proposed Activity: Dune restoration and swash realignment

Applicant: Horry County Stormwater

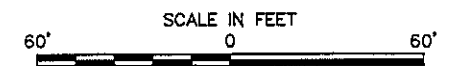
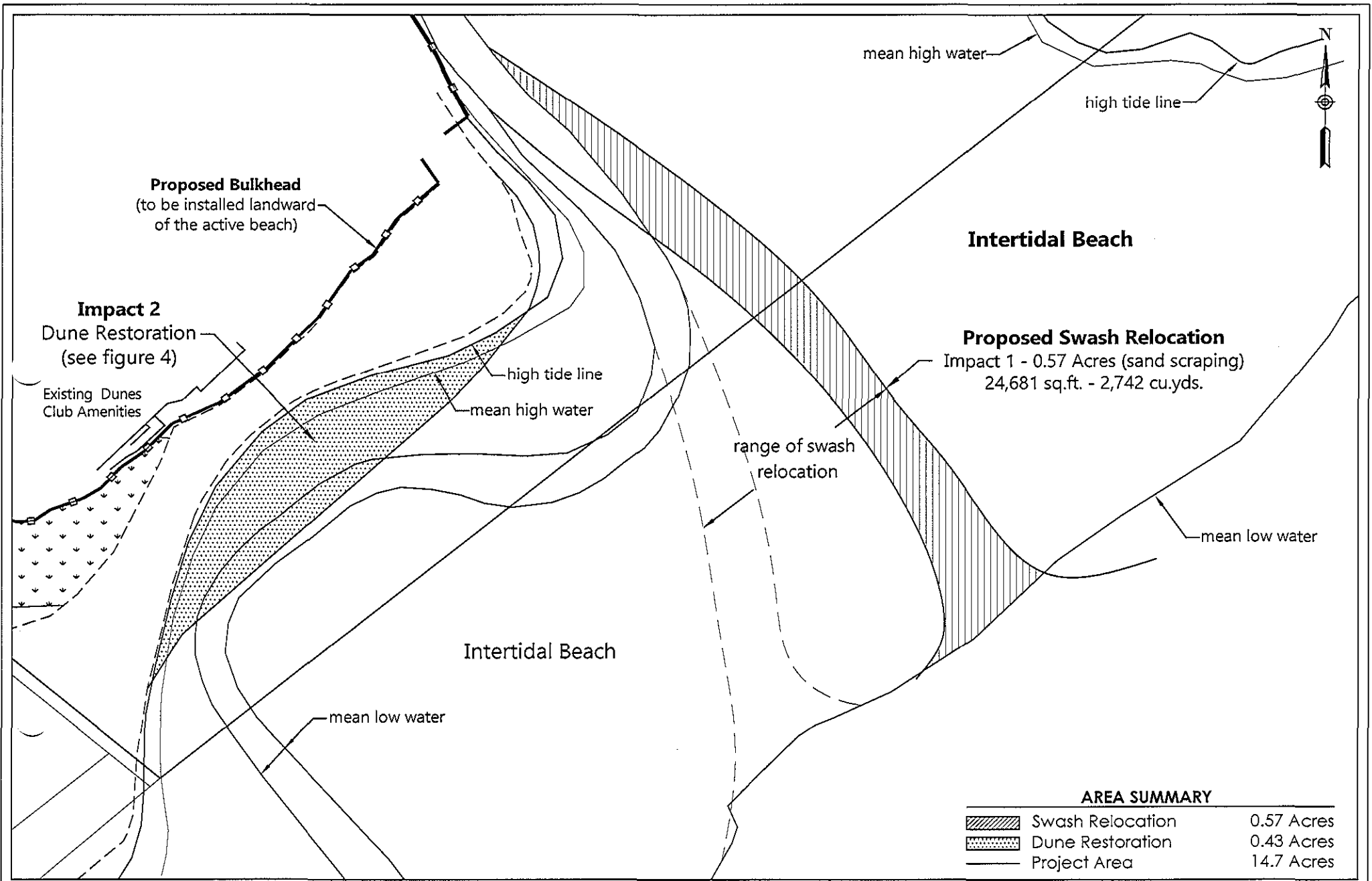





Figure 4



AREA SUMMARY

	Swash Relocation	0.57 Acres
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Plan View
 Singleton Swash Realignment
 County: Horry
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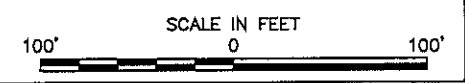
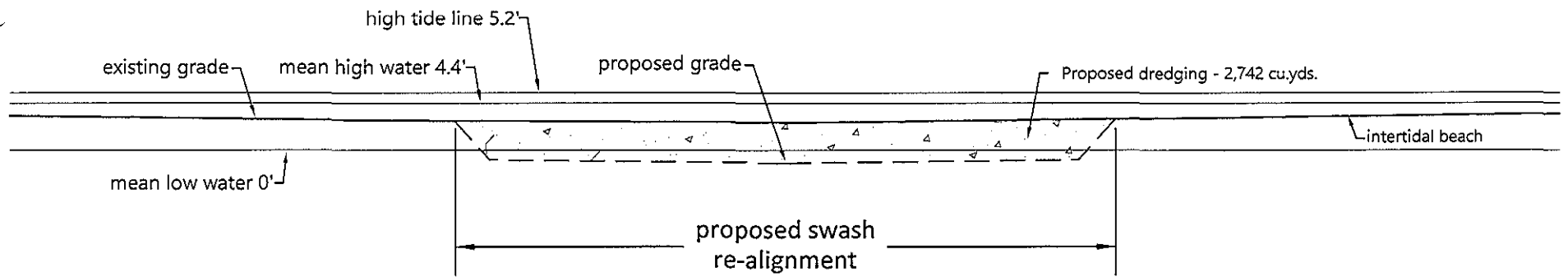


Figure 5



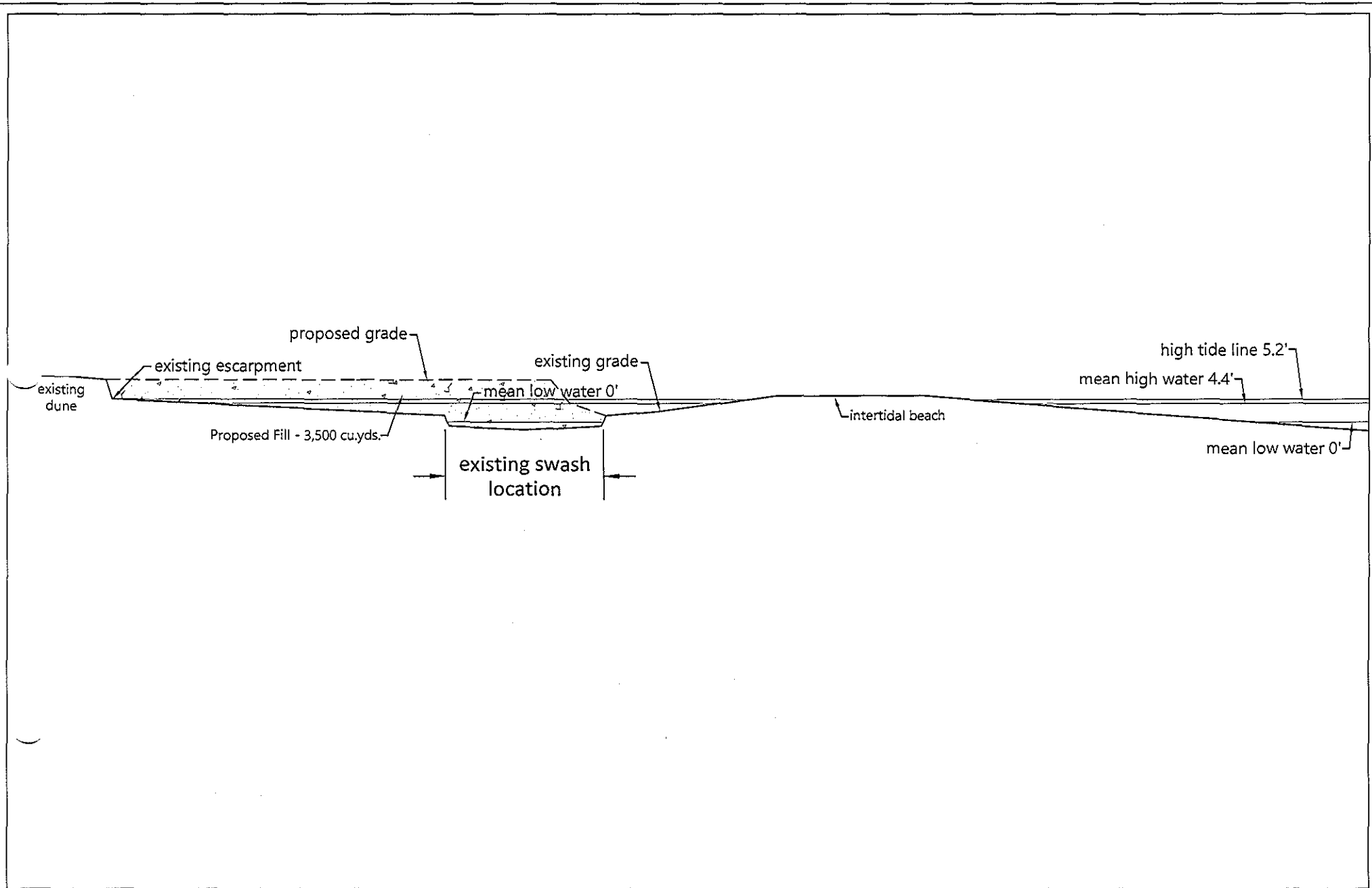
Section View - Swash Realignment

Singleton Swash Realignment
 County: Horry
 Date: 5-8-18
 Application No.

Proposed Activity: Dune restoration and swash realignment

Applicant: Horry County Stormwater

Figure 6



Section View - Dune Restoration

Singleton Swash Realignment
 County: Horry
 Date: 5-8-18
 Application No.

Figure 7

Proposed Activity: Dune restoration and swash realignment

Applicant: Horry County Stormwater