



REPLY TO
ATTENTION OF:

DEPARTMENT OF THE ARMY
MOBILE DISTRICT, CORPS OF ENGINEERS
P.O. BOX 2288
MOBILE, AL 36628-0001

CESAM-RD-M
PUBLIC NOTICE NO. SAM-2017-00453-DEM

June 21, 2017

JOINT PUBLIC NOTICE
U.S. ARMY CORPS OF ENGINEERS
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF POLLUTION CONTROL

MISSISSIPPI DEPARTMENT OF MARINE RESOURCES

**PROPOSED BEACH RENOURISHMENT ALONG NINE (9) LOCATIONS IN
HARRISON COUNTY, MISSISSIPPI**

TO WHOM IT MAY CONCERN:

This District has received an application for a Department of the Army permit pursuant to Section 404 of the Clean Water Act (33 USC 1344) and Section 10 of the Rivers and Harbors Act (33 USC 403). Please communicate this information to interested parties.

APPLICANT: **Harrison County Sand Beach Authority**
Attention: Mr. Chuck Loftis
842 Commerce Street
Gulfport, Mississippi 39507

AGENT: **BMI Environmental Services, LLS**
Attention: Mr. Larry Lewis
401 Cowan Road, Suite A
Gulfport, Mississippi 39507

WATERWAY/LOCATION: **Various locations along the Gulf of Mexico shoreline, Harrison County, Mississippi. (See attached vicinity/locations map).**

WORK: **The applicant proposes to renourish nine (9) sections of beach from Biloxi to Henderson Point. Sand will be obtained from designated borrow areas by hydraulic dredge and placed on the beach segments to restore the beach profile. The sand will be deposited in eroded areas and then graded to restore the beach to its originally permitted design width. Surveys of the nine segments of beach indicate that the quantity of material needed to replenish the beach segments varies from 9,000 cubic yards (20th Avenue, Gulfport) to 52,700 cubic yards (Hewes Avenue/Coffee Creek, Gulfport). An estimated 295,520 cubic yards of sand would be dredged from pre-**

designated borrow areas and deposited within the beach template. Compensatory mitigation for impacts to water bottoms is not proposed as the purpose of the project would be to provide restoration and protection of coastal shorelines.

The applicant has applied for State Water Quality Certification (WQC) in accordance with Section 401(a) (1) of the Clean Water Act, and for Coastal Zone (CZ) Consistency in accordance with the State Coastal Zone Management Program. Upon completion of the required advertising and public comment review, a determination relative to WQC and CZ Consistency will be made by the Mississippi Office of Pollution Control and the Mississippi Department of Marine Resources.

This public notice is being distributed to all known interested persons in order to assist in developing facts on which a decision by USACE can be based. For accuracy and completeness of the record, all data in support of or in opposition to the proposed work should be submitted in writing setting forth sufficient detail to furnish a clear understanding of the reasons for support or opposition.

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal 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, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, consideration of property ownership and, in general, the needs and welfare of the people.

The USACE 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 proposed activity. Any comments received will be considered by USACE to determine whether to issue, modify, condition or deny a permit for this proposal. 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 proposed activity.

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 public hearings shall state with particularity, the reasons for holding a public hearing.

Evaluation of the probable impacts involving deposits of dredged or fill material into waters of the United States will include the application of guidelines established by the Administrator of the U.S. Environmental Protection Agency.

In accordance with Section 106 of the National Historic Preservation Act, and Appendix C of 33 CFR 325, the undertaking defined in this notice is being considered for the potential to affect cultural and historic properties within the permit area. In accordance with Appendix C of 33 CFR 325, the USACE has determined the permit area consists of the 9 renourishment locations and accompanying dredge material borrow sites as well as the directly associated staging and work areas. The National Register of Historic Places has been consulted and no properties listed in or eligible for the National Register are known to exist which would be affected by the proposed work. The USACE has made a preliminary determination that there will be no effect to cultural and historic resources within the permit area. However, we are seeking comment from the State Historic Preservation Officer, Federally recognized American Indian tribes, local historical societies, museums, universities, the National Park Service, and the general public regarding the existence or the potential for existence of significant cultural and historic properties which may be affected by the work. This action constitutes the full extent of cultural resources investigations unless comment to this notice is received documenting that significant sites or properties exist which may be affected by this work, or that adequately documents that a potential exists for the location of significant sites or properties within the project area.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. This project will impact approximately 55.59 acres of coastal shoreline/water bottoms Essential Fish Habitat (EFH) for managed species in the Gulf of Mexico. Disturbance of this nursery habitat may adversely affect various aquatic species, but the District Commander has made a preliminary determination that this site-specific adverse effect will not be substantial. Our final determination relative to project impacts to EFH and the need for mitigation measures are subject to review by and coordination with the National Marine Fisheries Service and the Gulf of Mexico Fishery Management Council.

A preliminary review of this application, the U.S. Department of the Interior List of Endangered and Threatened Wildlife and Plants, and utilization of the Special Effects Determination Key contained in the 2012 SLOPES agreement for the Pascagoula and Coastal Streams Basin of Mississippi indicates the proposed project "May affect, but is not likely to adversely affect" the Florida Manatee (*Trichechus manatus*) (T), Green sea turtle (*Chelonia mydas*) (T), Kemp's Ridley sea turtle (*Lepidochelys kempii*) (E), Loggerhead sea turtle (*Caretta caretta*) (T), Leatherback sea turtle (*Dermochelys coriacea*) (E), Hawksbill sea turtle (*Eretmochelys imbricata*) (E), Gulf sturgeon (*Acipenser oxyrinchus desotoi*) (T),

Piping Plover (*Charadrius melodus*) (T) and Red Knot (*Calidris canutus rufa*) (T) and “May affect, but is not likely to adversely affect” Piping plover Designated Critical Habitat Units MS-02 through MS-06 and Gulf sturgeon Designated Critical Habitat Unit 8. This notice serves as a request to the U.S. Fish and Wildlife Service (USFWS) and the National Marine Fisheries Service (NMFS) for information on whether any listed or proposed to be listed endangered or threatened species may be present in the area which would be affected by the proposed activity. This determination will be further coordinated with the USFWS and the NMFS.

Correspondence concerning this Public Notice should refer to Public Notice Number **SAM-2017-00453-DEM** and should be directed to the District Engineer, U.S. Army Engineer District, Attention: Mr. Donald Mroczko, Post Office Box 2288, Mobile, Alabama 36628-0001, with a copy to the Mississippi Department of Environmental Quality, Office of Pollution Control, Post Office Box 10385, Jackson, Mississippi 39289, and the Mississippi Department of Marine Resources, 1141 Bayview Avenue, Suite 101, Biloxi, Mississippi 39530.

All Comments should be received no later than 30 days from the date of this Public Notice. If you have any questions concerning this publication, you may contact the project manager at (251) 690-3185 or email donald.e.mroczko@usace.army.mil. Please refer to the above Public Notice number.

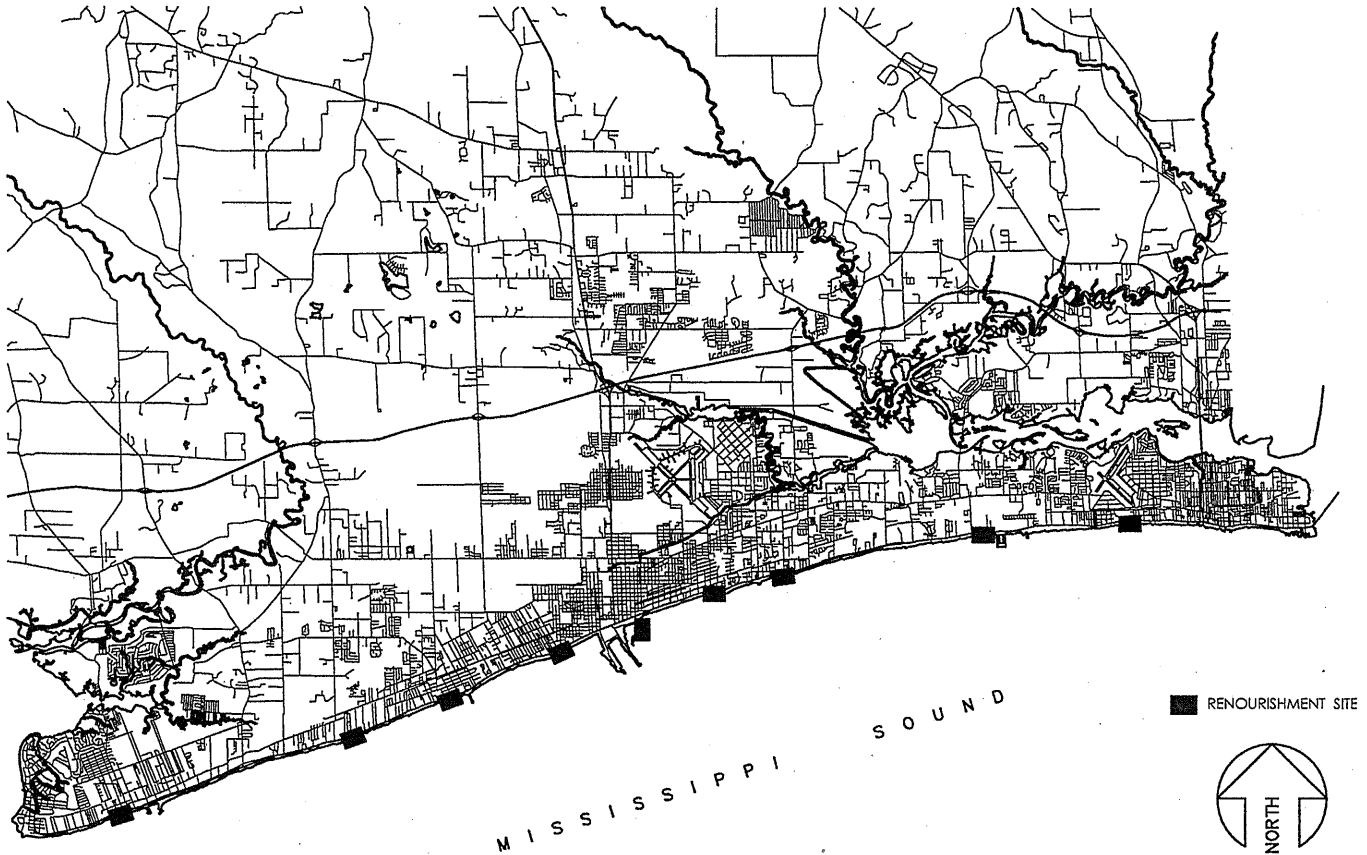
For additional information about our Regulatory Program, please visit our website at www.sam.usace.army.mil/Missions/Regulatory.

MOBILE DISTRICT
U.S. Army Corps of Engineers

Enclosures

Harrison County Sand Beach Authority
SAM-2017-0453-DEM

Beach Segment Location	Volume (CY)	Area (ac)
Henderson Avenue, Pass Christian	31,430	6.1
Pitcher Point, Long Beach	30,110	5.4
Jeff Davis Avenue, Long Beach	28,000	5.1
Broad Avenue, Gulfport	49,300	9.6
20th Avenue South, Gulfport	9,000	0.89
Hewes Avenue/ Coffee Creek, Gulfport	52,700	10.1
Tegarden Road, Gulfport	44,610	8.8
Beauvoir Home / Oyster Bayou, Biloxi	33,470	6.3
Chalmers Drive, Biloxi	16,900	3.3
Totals	295,520	55.59



■ RENOURISHMENT SITE



SCALE: 1"=15,000'±

RENOURISHMENT LOCATION MAP
2017 SAND BEACH RENOURISHMENT
 HARRISON COUNTY SAND BEACH DEPARTMENT

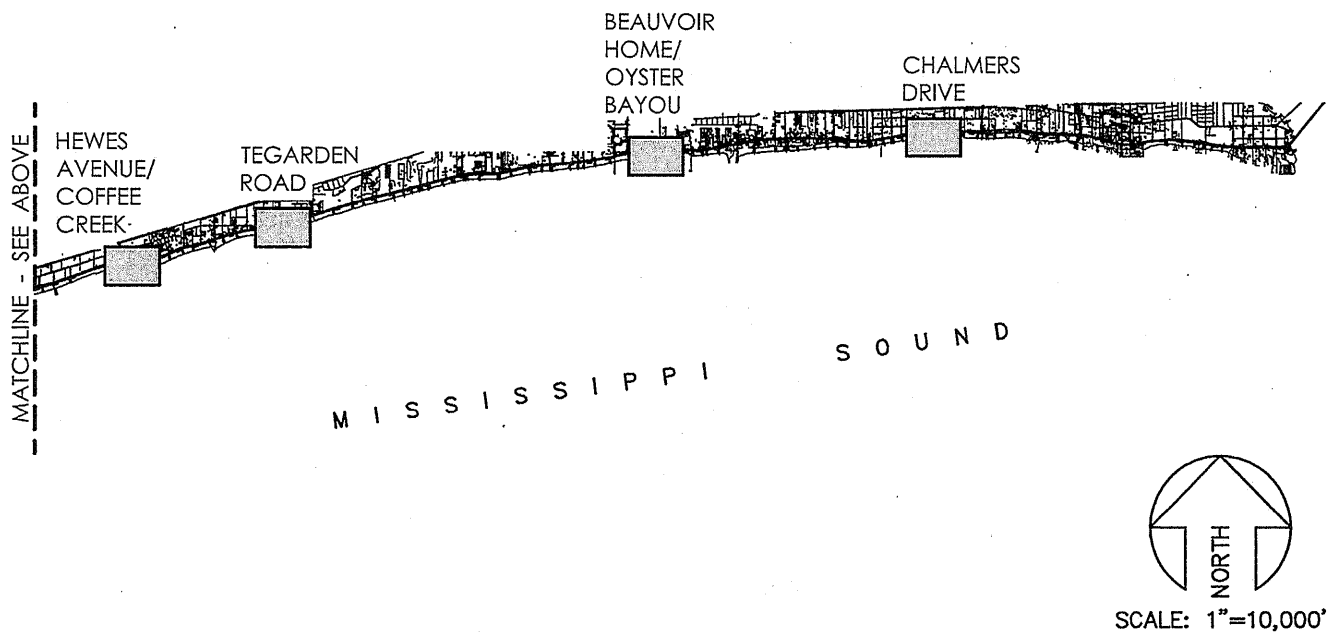
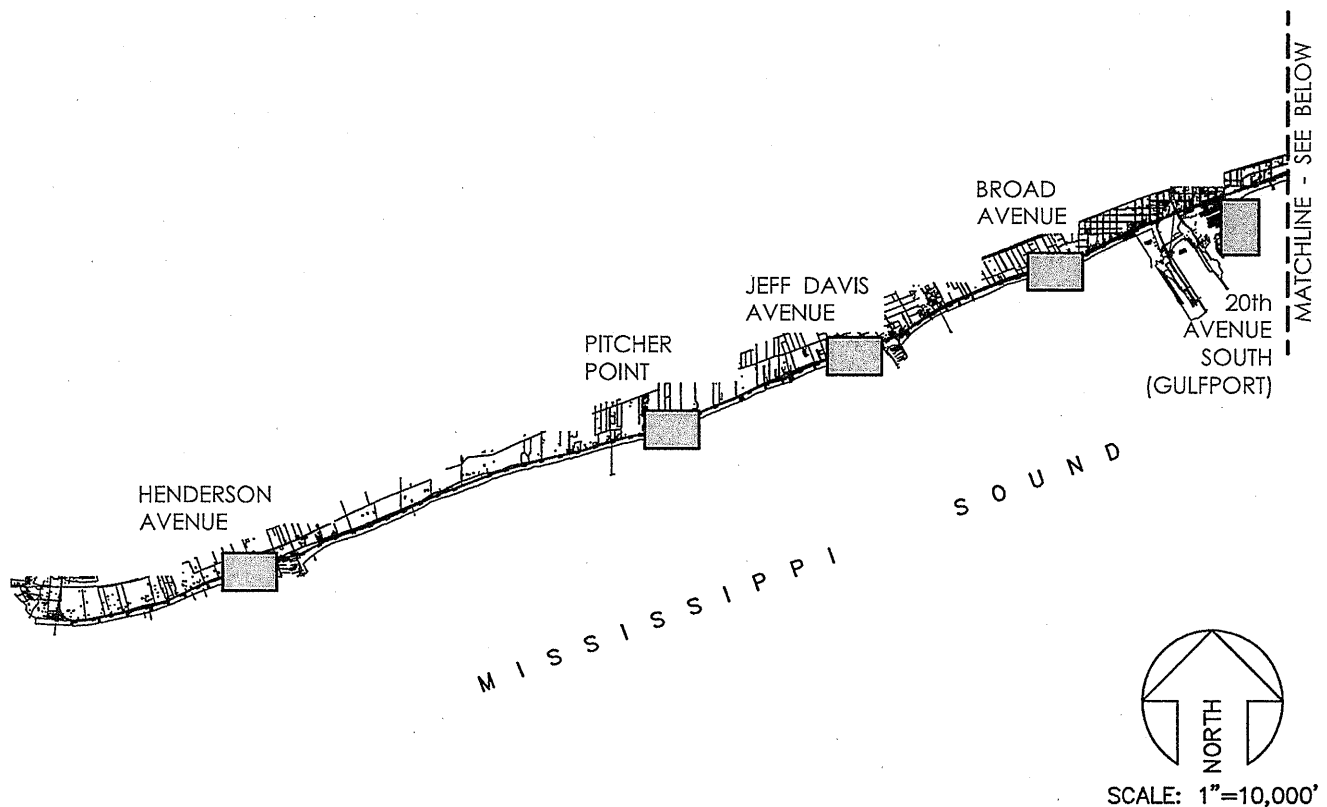
HARRISON COUNTY, MISSISSIPPI

SHEET 1 OF 26

5/3/17
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 & ALEXANDER, INC.
 CONSULTING ENGINEERS

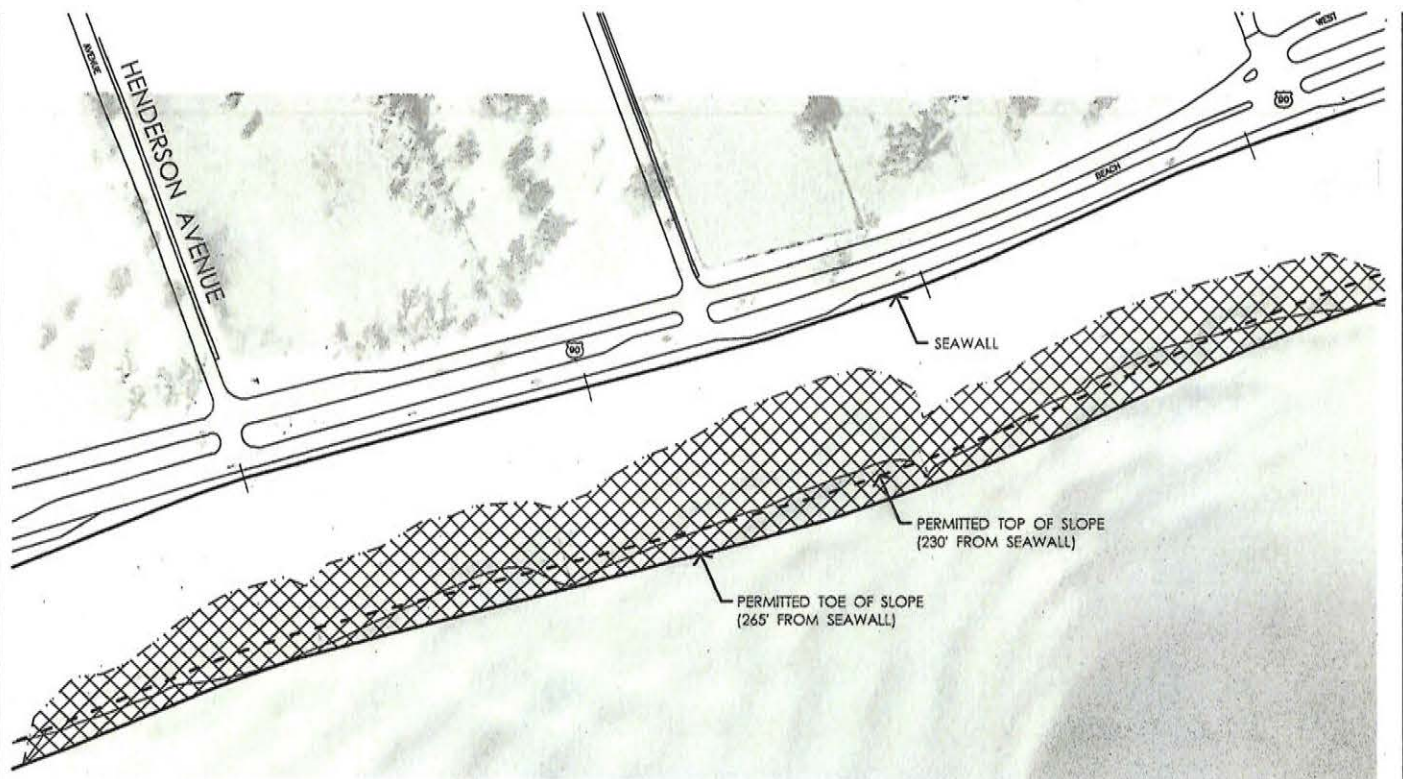


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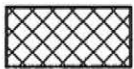


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SHEET LAYOUT PLAN
 2017 SAND BEACH RENOURISHMENT
 HARRISON COUNTY SAND BEACH DEPARTMENT
 HARRISON COUNTY, MISSISSIPPI
 SHEET 2 OF 26



--- EXISTING
SHORELINE



APPROX. FILL
AREA = 6.10 AC.
(31,430 C.Y.)

5/3/17
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& ALEXANDER, INC.
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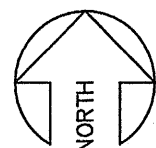
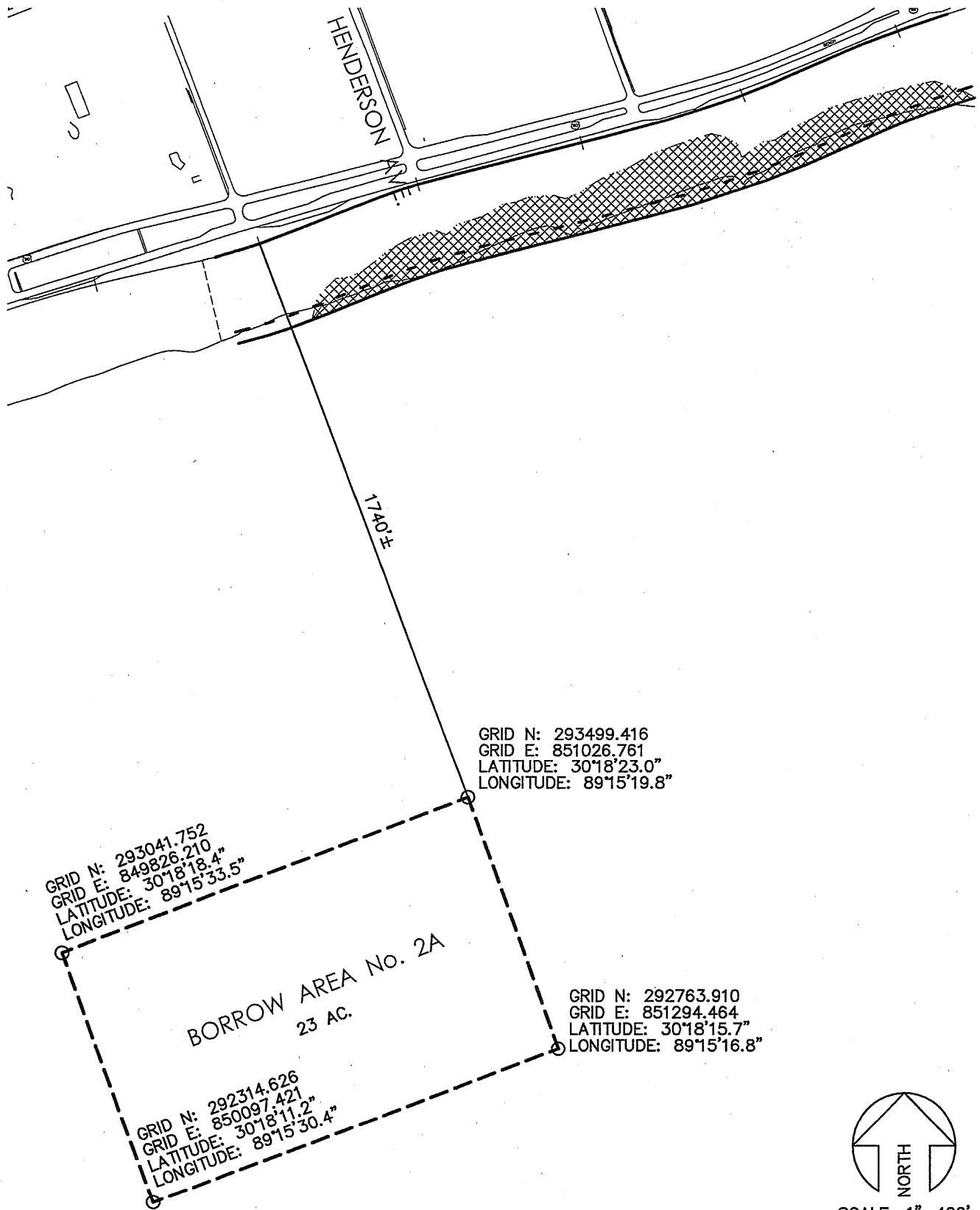


SCALE: 1"=200'

HENDERSON AVENUE SITE
2017 SAND BEACH RENOURISHMENT
HARRISON COUNTY SAND BEACH DEPARTMENT

HARRISON COUNTY, MISSISSIPPI

SHEET 3 OF 26



SCALE: 1"=400'

5/3/17
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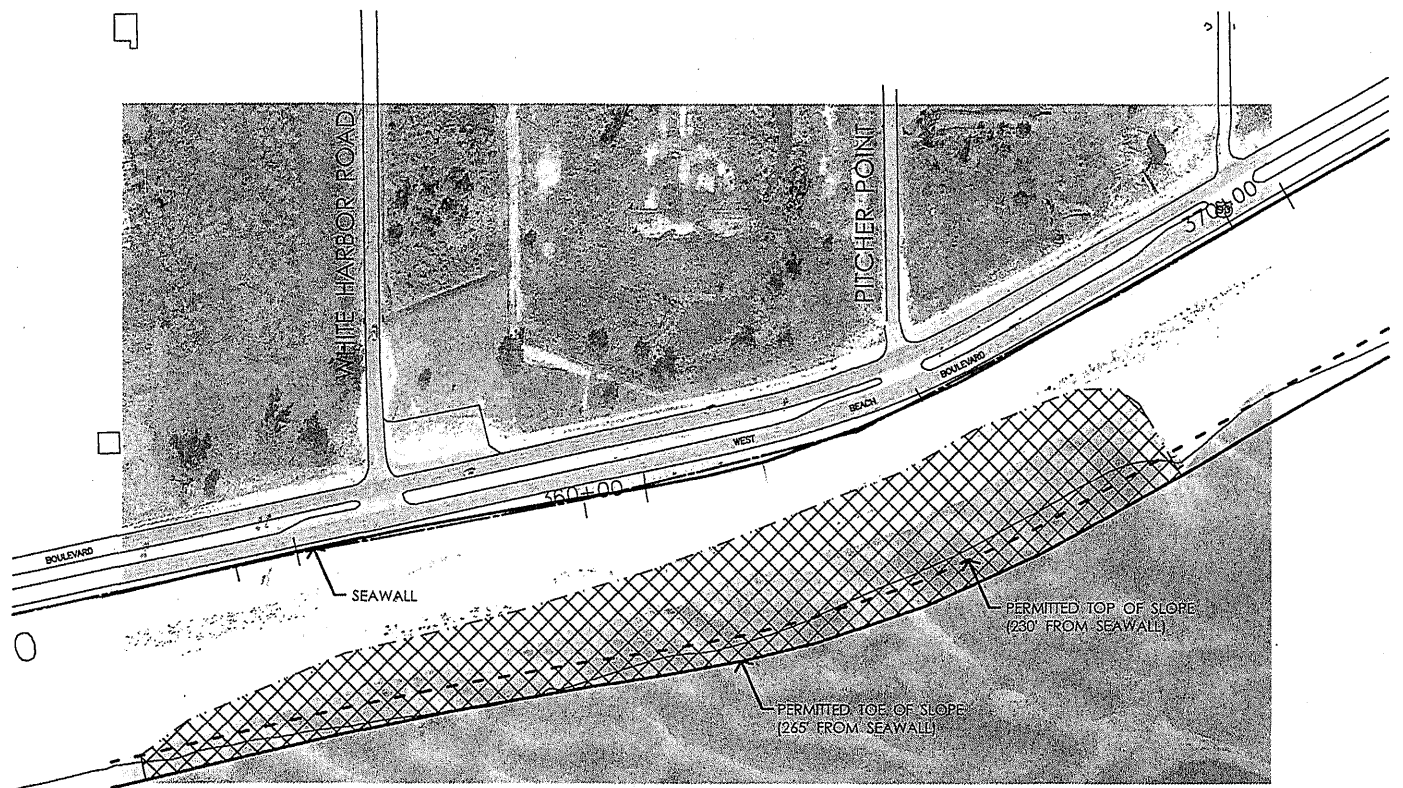


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& ALEXANDER, INC.
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HENDERSON AVENUE BORROW AREA 2017 SAND BEACH RENOURISHMENT HARRISON COUNTY SAND BEACH DEPARTMENT

HARRISON COUNTY, MISSISSIPPI

SHEET 4 OF 26



--- EXISTING
SHORELINE



APPROX. FILL
AREA = 5.40 AC.
(30,110 C.Y.)

5/3/17
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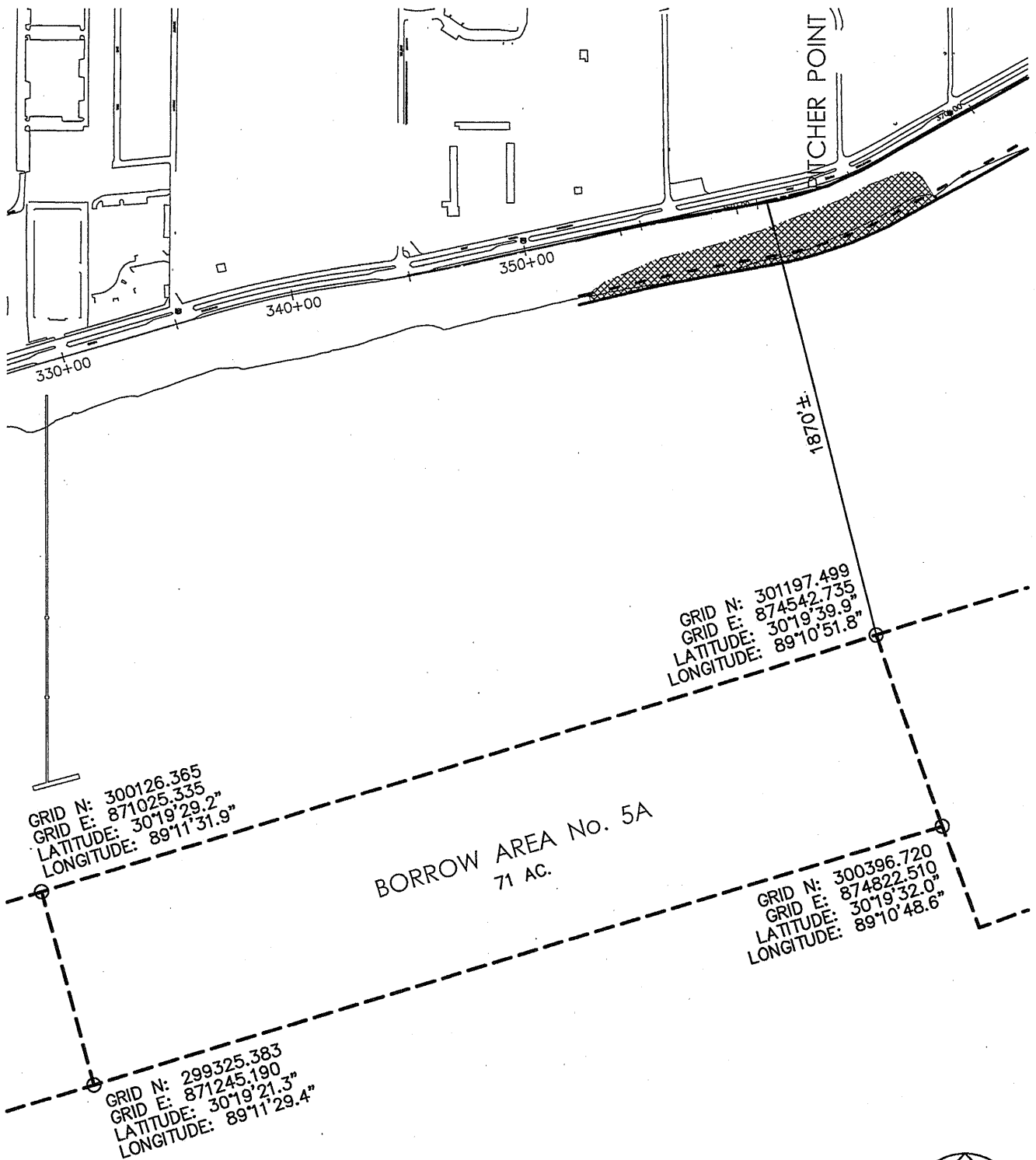


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SCALE: 1"=200'

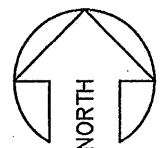
PITCHER POINT SITE
2017 SAND BEACH RENOURISHMENT
HARRISON COUNTY SAND BEACH DEPARTMENT
HARRISON COUNTY, MISSISSIPPI
SHEET 5 OF 26



5/3/17
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 & ALEXANDER, INC.
 CONSULTING ENGINEERS

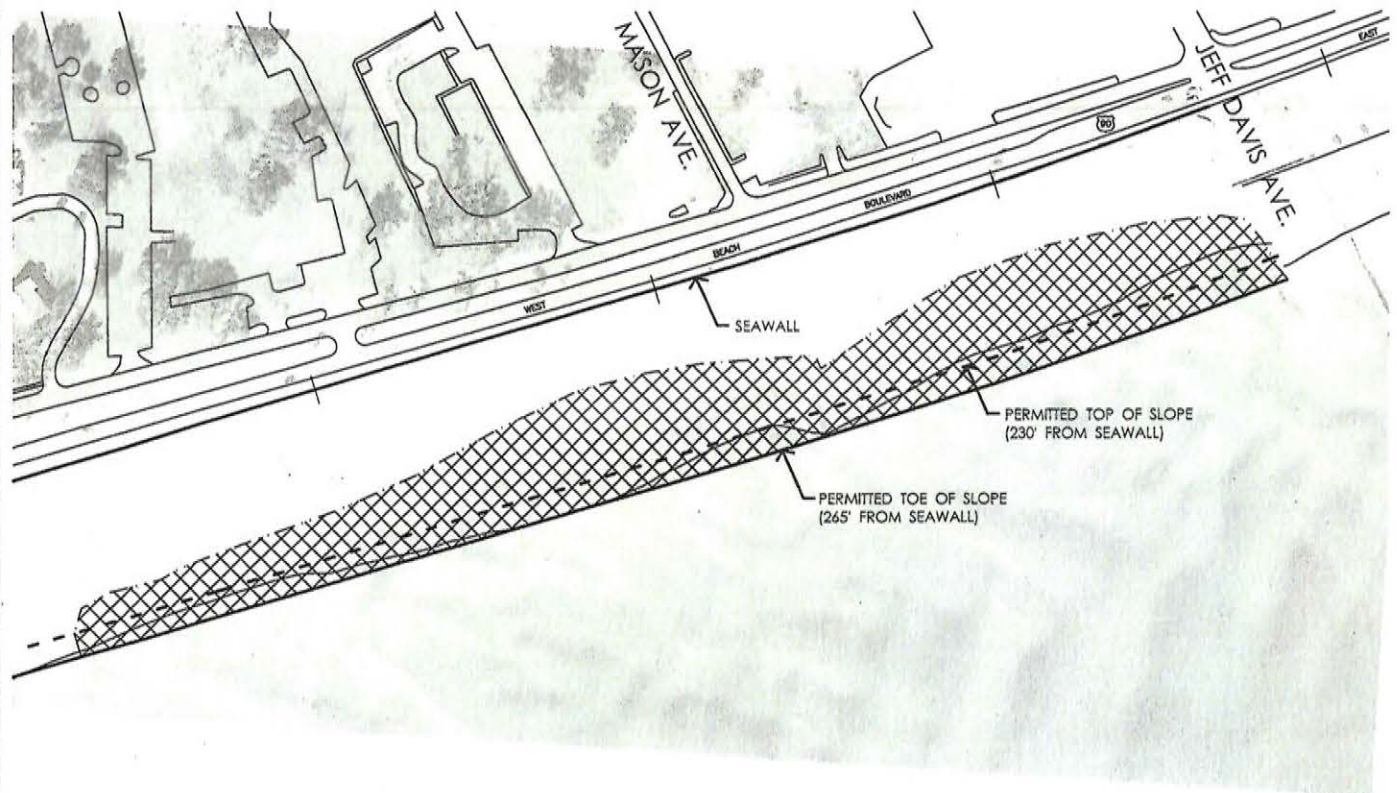


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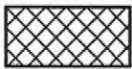
PITCHER POINT BORROW AREA
 2017 SAND BEACH RENOURISHMENT
 HARRISON COUNTY SAND BEACH DEPARTMENT

HARRISON COUNTY, MISSISSIPPI

SHEET 6 OF 26



--- EXISTING
SHORELINE



APPROX. FILL
AREA = 5.10 AC.
(28,000 C.Y.)

5/3/17
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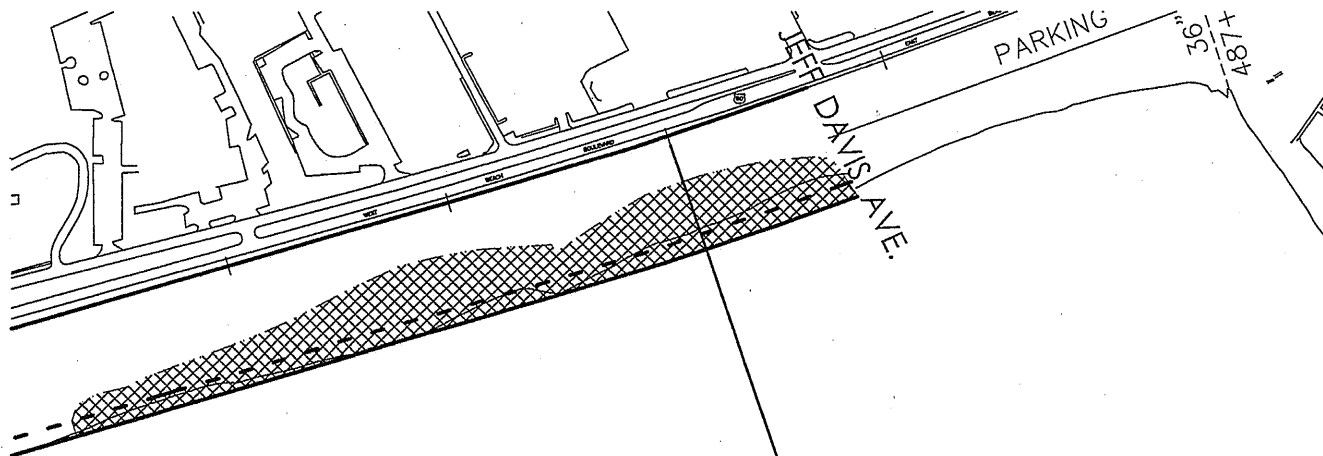


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& ALEXANDER, INC.



SCALE: 1"=200'

JEFF DAVIS AVENUE
2017 SAND BEACH RENOURISHMENT
HARRISON COUNTY SAND BEACH DEPARTMENT
HARRISON COUNTY, MISSISSIPPI
SHEET 7 OF 26



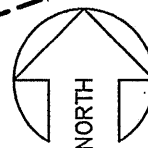
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 LONGITUDE: 89°09'05.4"

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 GRID E: 883974.348
 LATITUDE: 30°20'09.2"
 LONGITUDE: 89°09'04.3"

BORROW AREA No. 7
 18 AC.

GRID N: 304290.581
 GRID E: 885490.118
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 LONGITUDE: 89°08'47.0"

GRID N: 30481.003
 GRID E: 88605.193
 LATITUDE: 30°20'12.8"
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SCALE: 1"=400'

JEFF DAVIS AVENUE BORROW AREA 2017 SAND BEACH RENOURISHMENT HARRISON COUNTY SAND BEACH DEPARTMENT

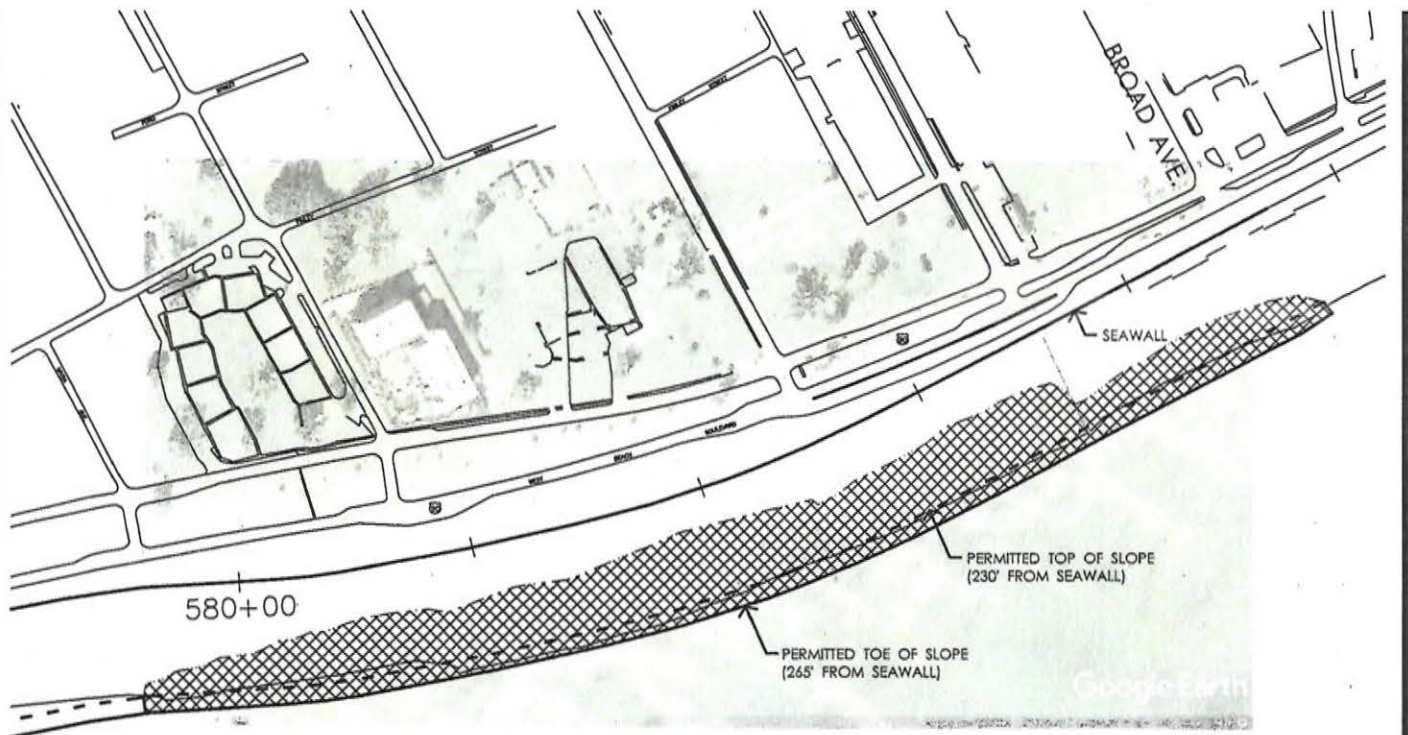
HARRISON COUNTY, MISSISSIPPI

SHEET 8 OF 26

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--- EXISTING
SHORELINE



APPROX. FILL
AREA = 9.60 AC.
(49,300 C.Y.)



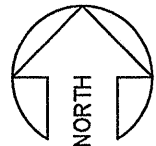
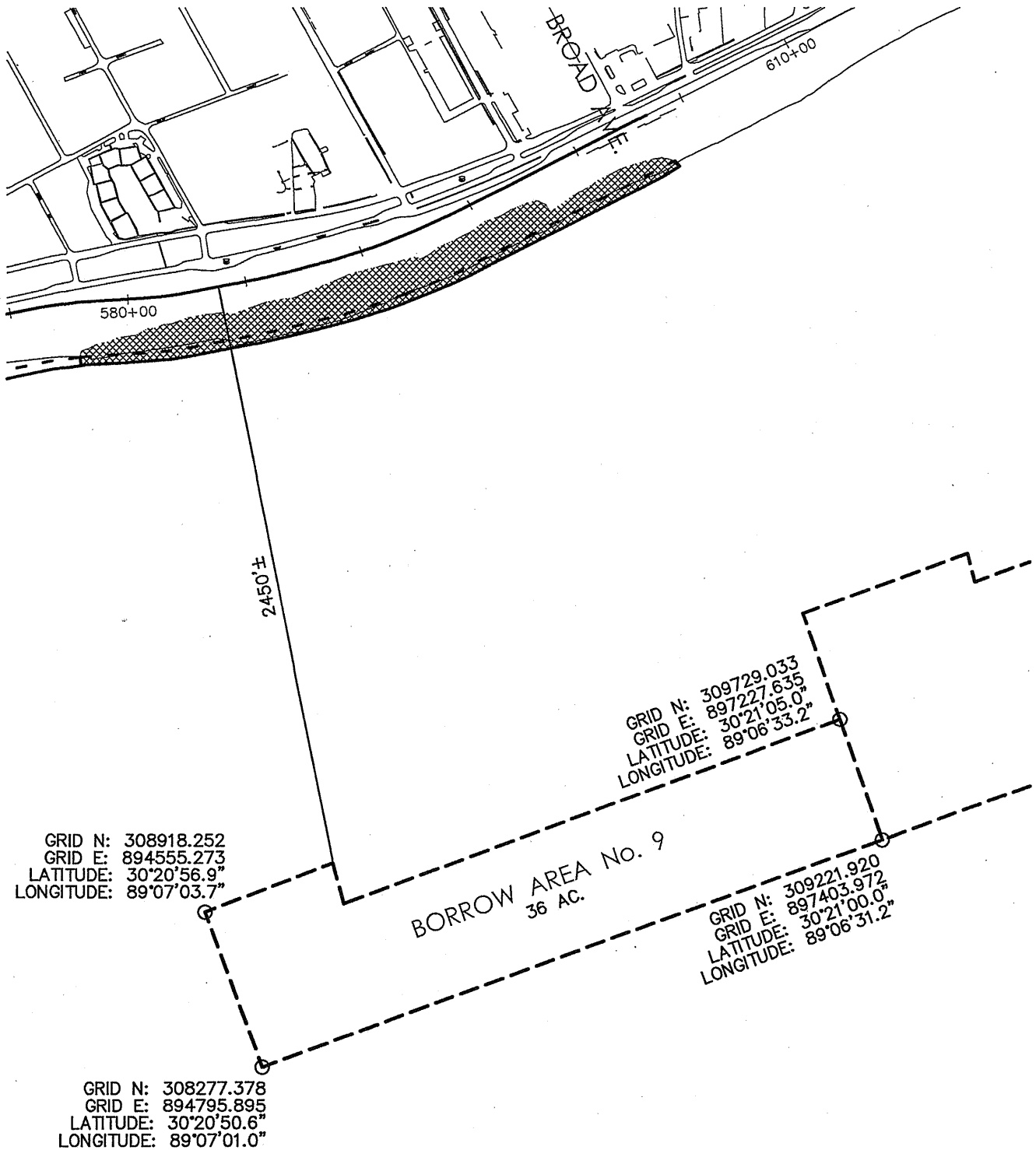
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5/3/17
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& ALEXANDER, INC.
CONSULTING ENGINEERS

BROAD AVENUE SITE
2017 SAND BEACH RENOURISHMENT
HARRISON COUNTY SAND BEACH DEPARTMENT
HARRISON COUNTY, MISSISSIPPI
SHEET 9 OF 26



SCALE: 1"=600'

BROAD AVENUE BORROW AREA
 2017 SAND BEACH RENOURISHMENT
 HARRISON COUNTY SAND BEACH DEPARTMENT

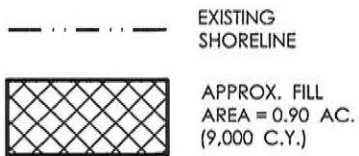
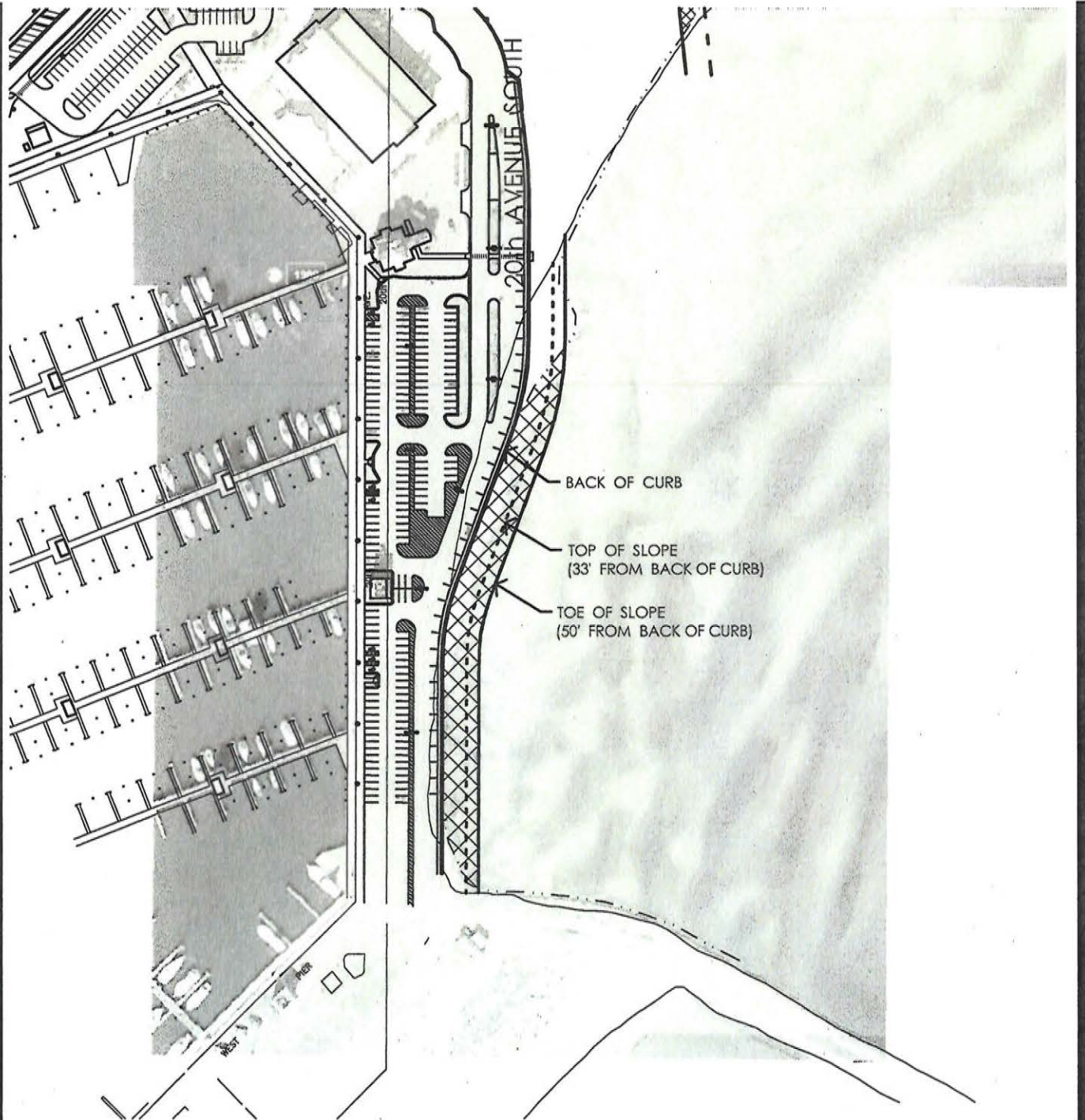
HARRISON COUNTY, MISSISSIPPI

SHEET 10 OF 26

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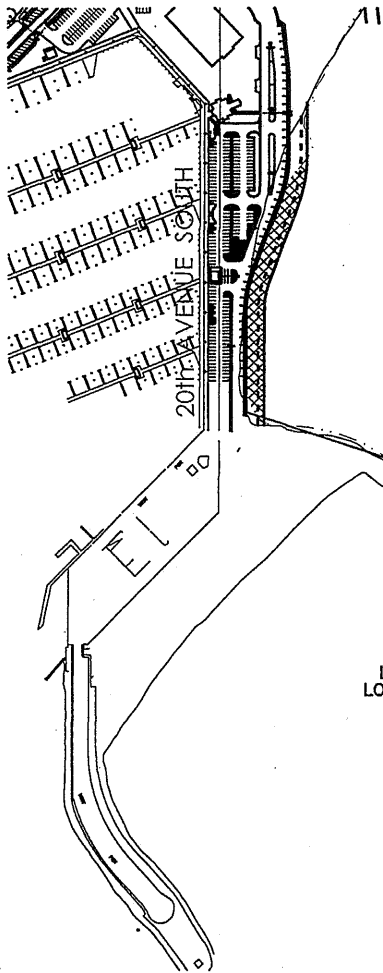


SCALE: 1"=200'

20th AVENUE SOUTH SITE
2017 SAND BEACH RENOURISHMENT
 HARRISON COUNTY SAND BEACH DEPARTMENT

HARRISON COUNTY, MISSISSIPPI

SHEET 11 OF 26

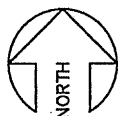


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 LONGITUDE: 89°04'48.6"

BORROW AREA
 No. 10A
 29 AC.

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SCALE: 1"=400'

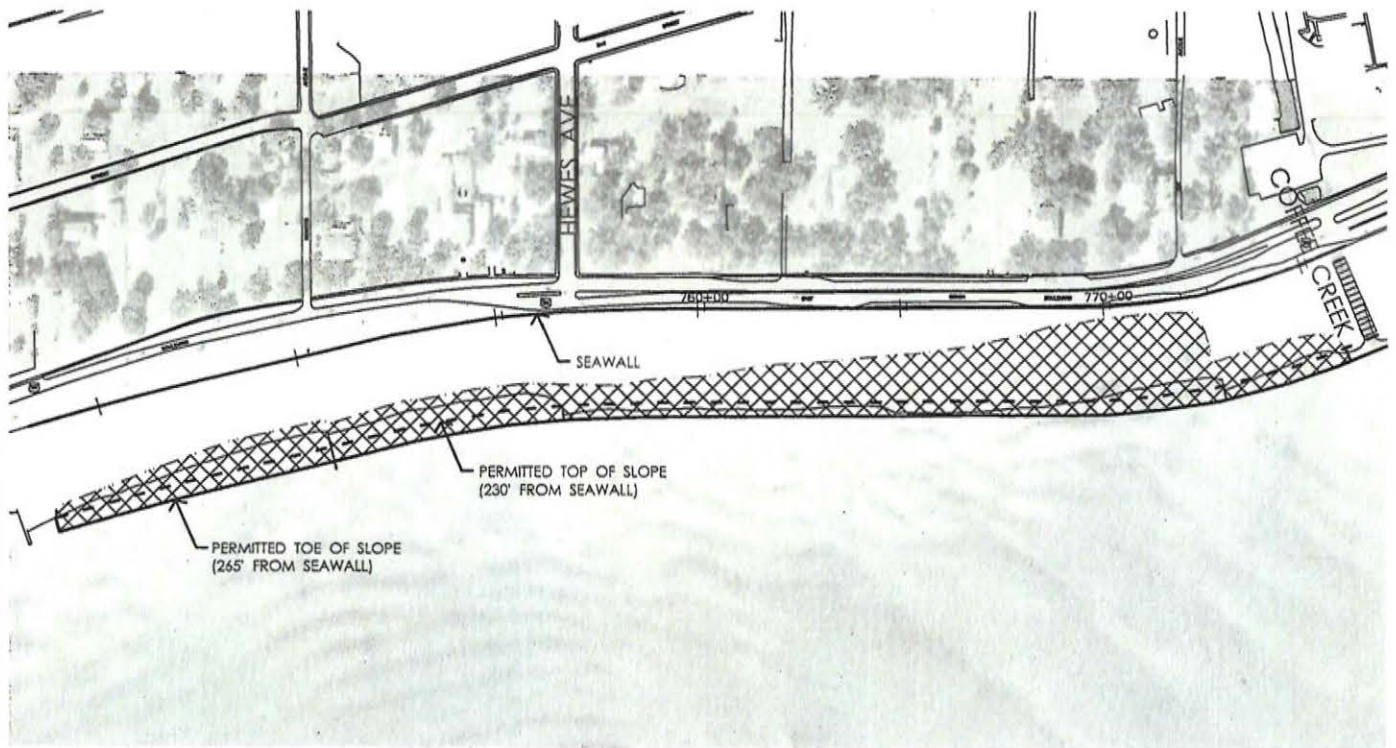
20th AVENUE SOUTH BORROW AREA
 2017 SAND BEACH RENOURISHMENT
 HARRISON COUNTY SAND BEACH DEPARTMENT

HARRISON COUNTY, MISSISSIPPI
 SHEET 12 OF 26

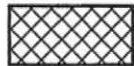
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--- EXISTING SHORELINE

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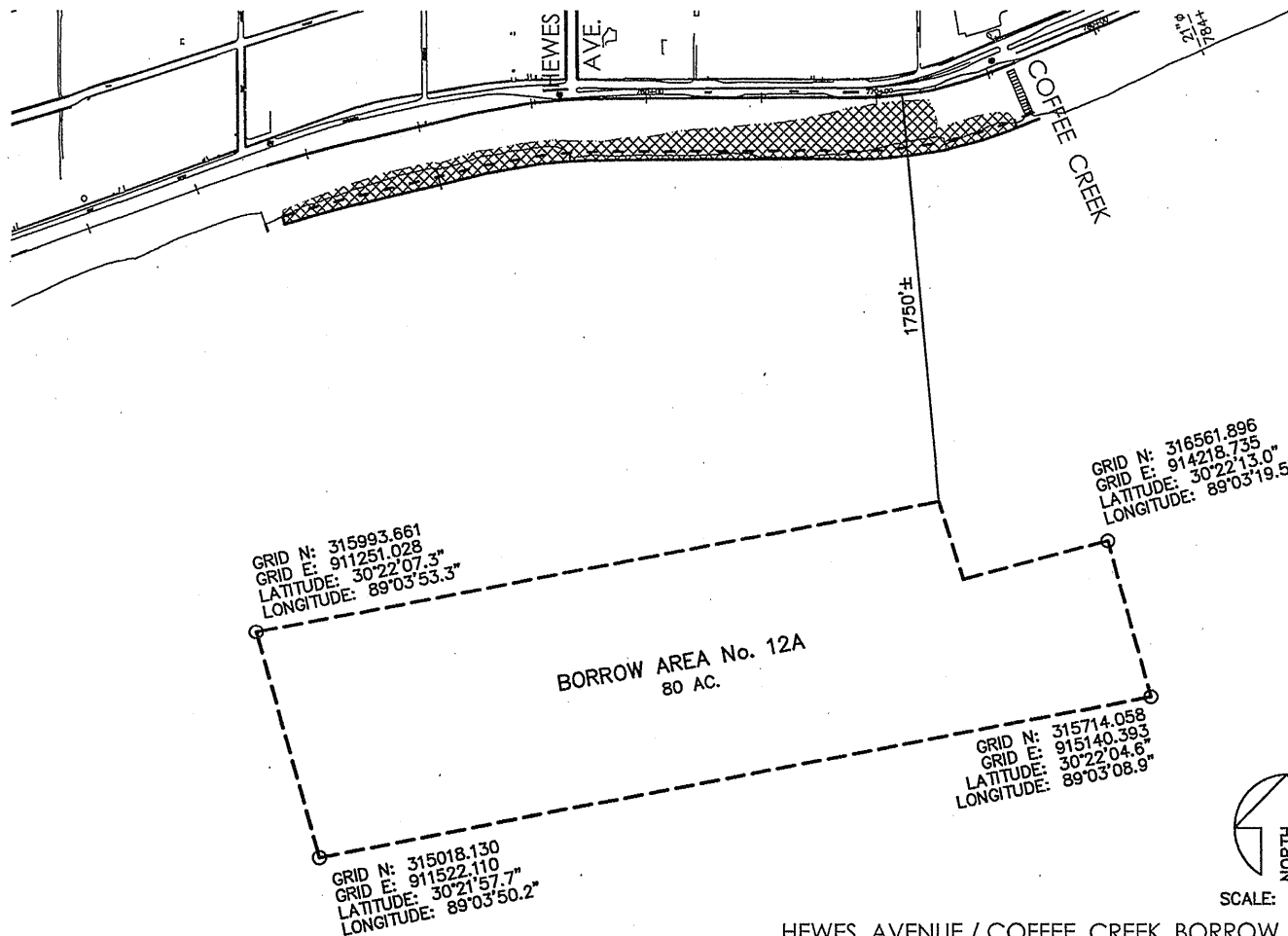
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SCALE: 1"=350'±

HEWES AVENUE / COFFEE CREEK SITE
2017 SAND BEACH RENOURISHMENT
HARRISON COUNTY SAND BEACH DEPARTMENT
HARRISON COUNTY, MISSISSIPPI
SHEET 13 OF 26



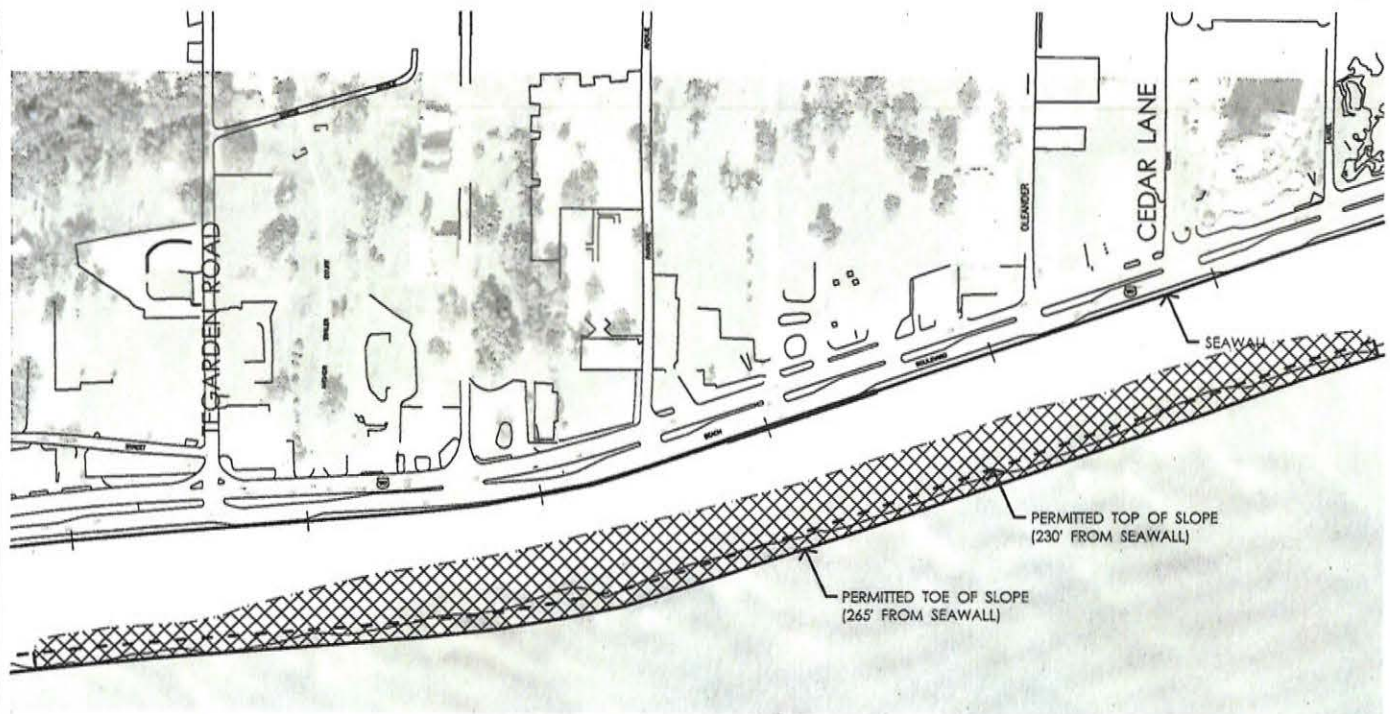
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HEWES AVENUE / COFFEE CREEK BORROW AREA
 2017 SAND BEACH RENOURISHMENT
 HARRISON COUNTY SAND BEACH DEPARTMENT

HARRISON COUNTY, MISSISSIPPI
 SHEET 14 OF 26



- - - - - EXISTING SHORELINE
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 (44,610 C.Y.)

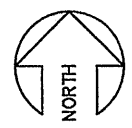
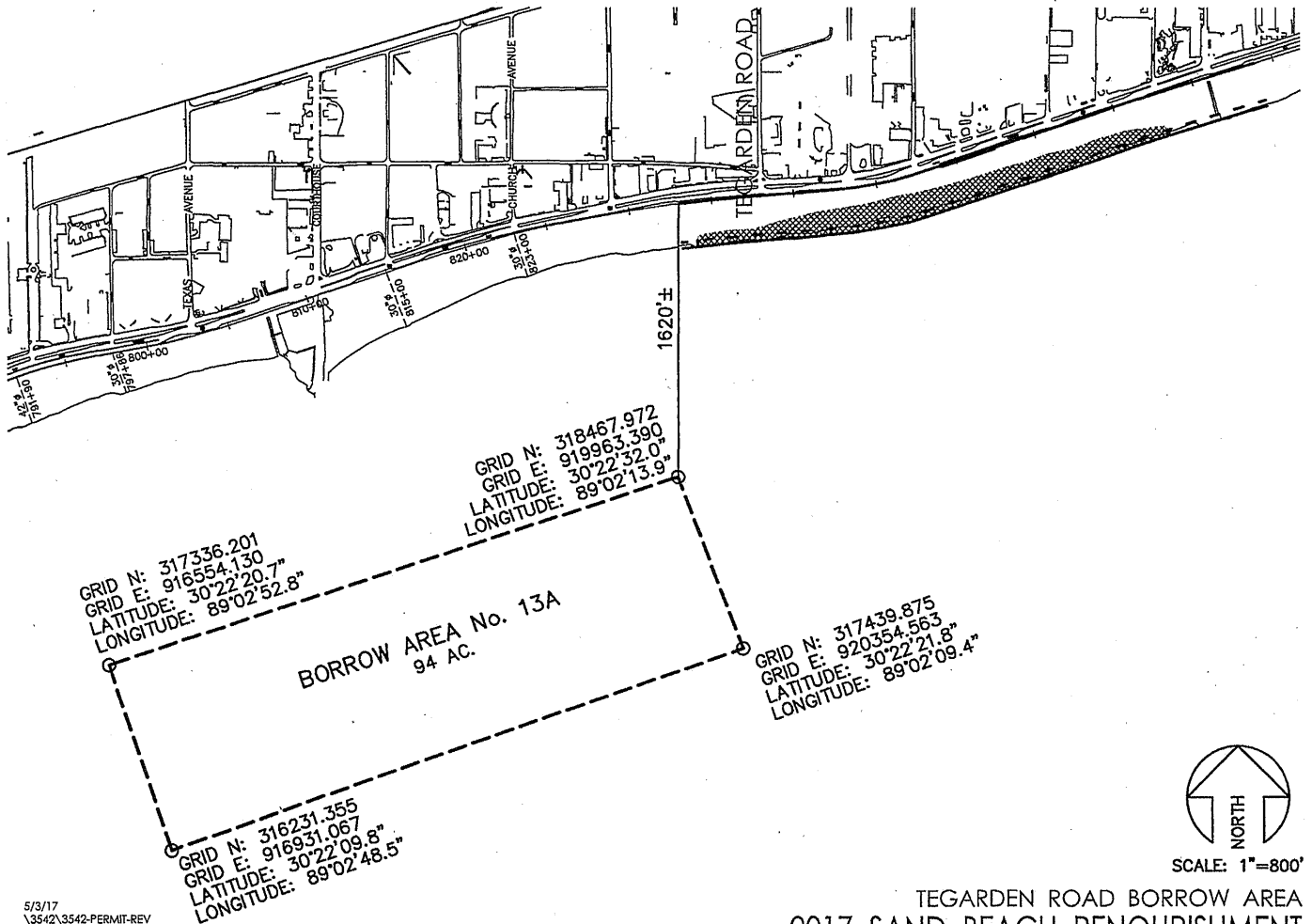
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 CONSULTING ENGINEERS



SCALE: 1"=300'

TEGARDEN ROAD SITE
2017 SAND BEACH RENOURISHMENT
 HARRISON COUNTY SAND BEACH DEPARTMENT
 HARRISON COUNTY, MISSISSIPPI
 SHEET 15 OF 26

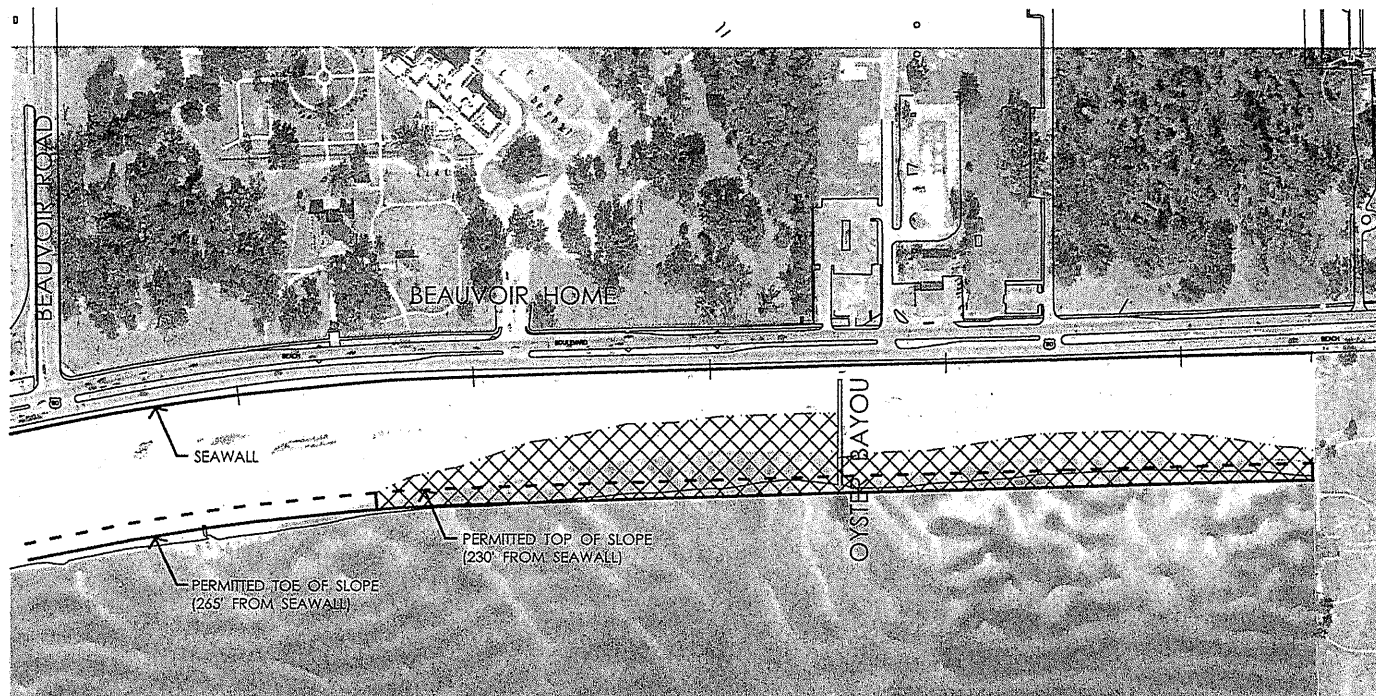


SCALE: 1"=800'

TEGARDEN ROAD BORROW AREA
 2017 SAND BEACH RENOURISHMENT
 HARRISON COUNTY SAND BEACH DEPARTMENT
 HARRISON COUNTY, MISSISSIPPI
 SHEET 16 OF 26

5/3/17
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 CONSULTING ENGINEERS



--- EXISTING
SHORELINE

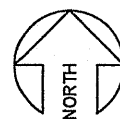


APPROX. FILL
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(33,470 C.Y.)

5/3/17
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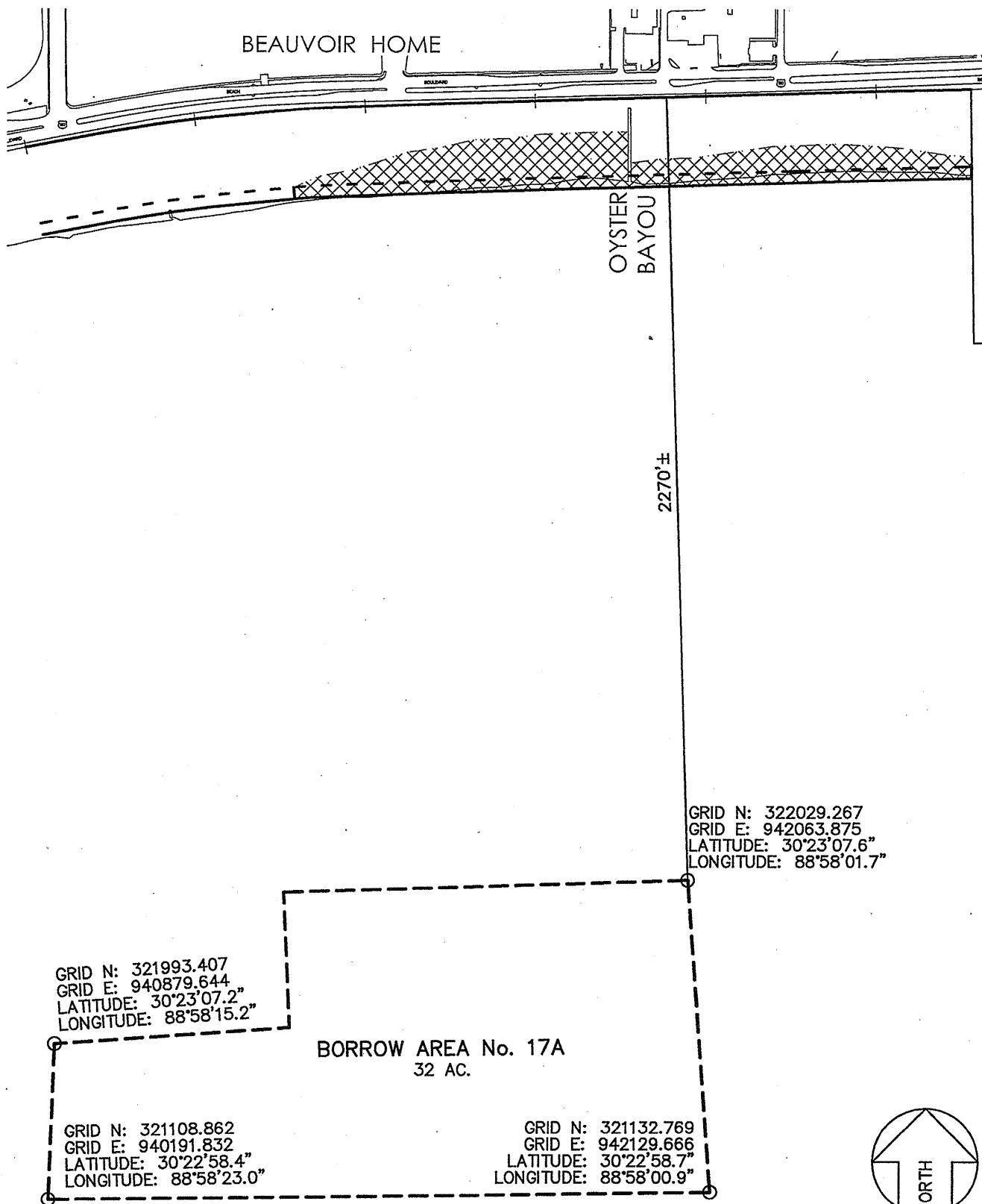
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& ALEXANDER, INC.
CONSULTING ENGINEERS



SCALE: 1"=200'

BEAUVOIR HOME / OYSTER BAYOU SITE
2017 SAND BEACH RENOURISHMENT
HARRISON COUNTY SAND BEACH DEPARTMENT

HARRISON COUNTY, MISSISSIPPI
SHEET 17 OF 26



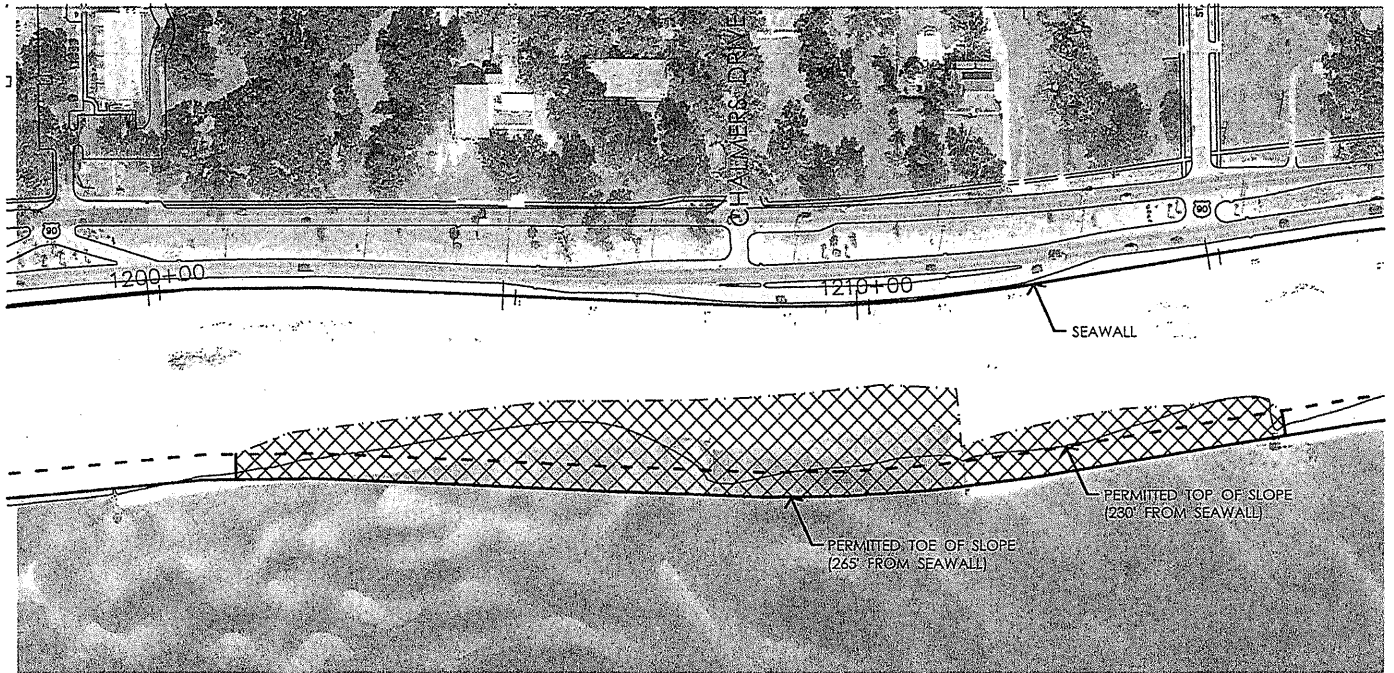
5/3/17
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BROWN, MITCHELL
& ALEXANDER, INC.
CONSULTING ENGINEERS

BEAUVOIR HOME / OYSTER BAYOU BORROW SITE
2017 SAND BEACH RENOURISHMENT
HARRISON COUNTY SAND BEACH DEPARTMENT

HARRISON COUNTY, MISSISSIPPI
SHEET 18 OF 26



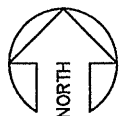
--- EXISTING SHORELINE

 APPROX. FILL
AREA = 3.30 AC.
(16,900 C.Y.)

5/3/17
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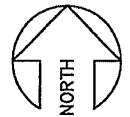
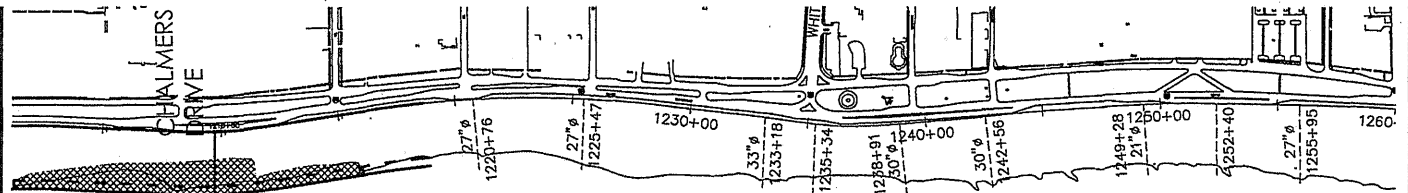


BROWN, MITCHELL
& ALEXANDER, INC.
CONSULTING ENGINEERS



SCALE: 1"=200'

CHALMERS DRIVE SITE
2017 SAND BEACH RENOURISHMENT
HARRISON COUNTY SAND BEACH DEPARTMENT
HARRISON COUNTY, MISSISSIPPI
SHEET 19 OF 26



SCALE: 1"=800'

GRID N: 323095.038
GRID E: 956571.160
LATITUDE: 30°23'18.3"
LONGITUDE: 88°55'16.1"

2190'±

GRID N: 323081.430
GRID E: 960392.139
LATITUDE: 30°23'18.2"
LONGITUDE: 88°54'32.4"

BORROW AREA No. 20A
112 AC.

GRID N: 322166.340
GRID E: 956383.311
LATITUDE: 30°23'09.1"
LONGITUDE: 88°55'18.2"

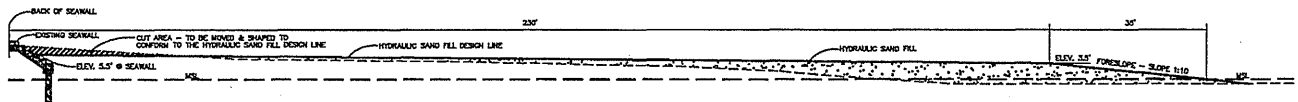
GRID N: 321987.244
GRID E: 962075.510
LATITUDE: 30°23'07.3"
LONGITUDE: 88°54'13.2"

5/3/17
\\3542\\3542-PERMIT-REV

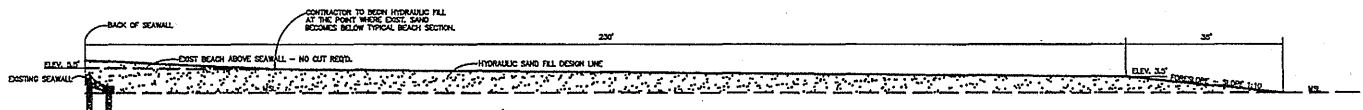
bma BROWN, MITCHELL
& ALEXANDER, INC.
CONSULTING ENGINEERS

CHALMERS DRIVE BORROW AREA
2017 SAND BEACH RENOURISHMENT
HARRISON COUNTY SAND BEACH DEPARTMENT

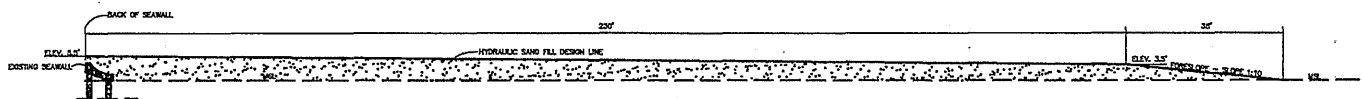
HARRISON COUNTY, MISSISSIPPI
SHEET 20 OF 26



TYPICAL BEACH SECTION
STATION 0+70 TO 1094+71 AND
STATION 1167+00 TO 1290+16.72



TYPICAL BEACH SECTION
STATION 1110+20 TO 1158+00



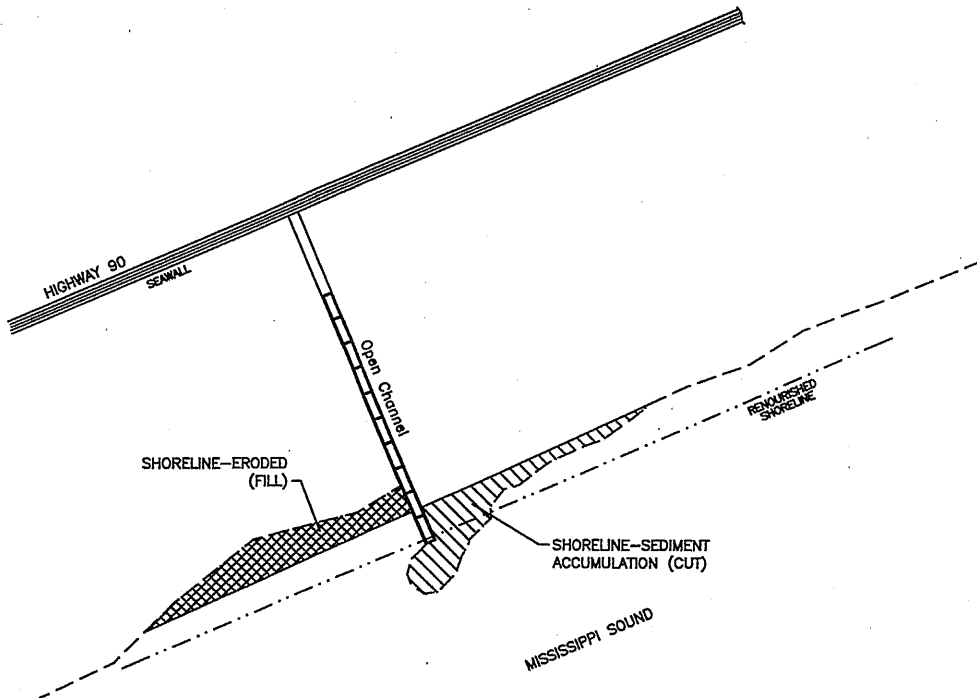
TYPICAL BEACH SECTION
STATION 1158+00 TO 1167+00

5/3/17
\\3542\\3542-PERMIT-REV



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TYPICAL BEACH SECTIONS
2017 SAND BEACH RENOURISHMENT
HARRISON COUNTY SAND BEACH DEPARTMENT
HARRISON COUNTY, MISSISSIPPI
SHEET 21 OF 26



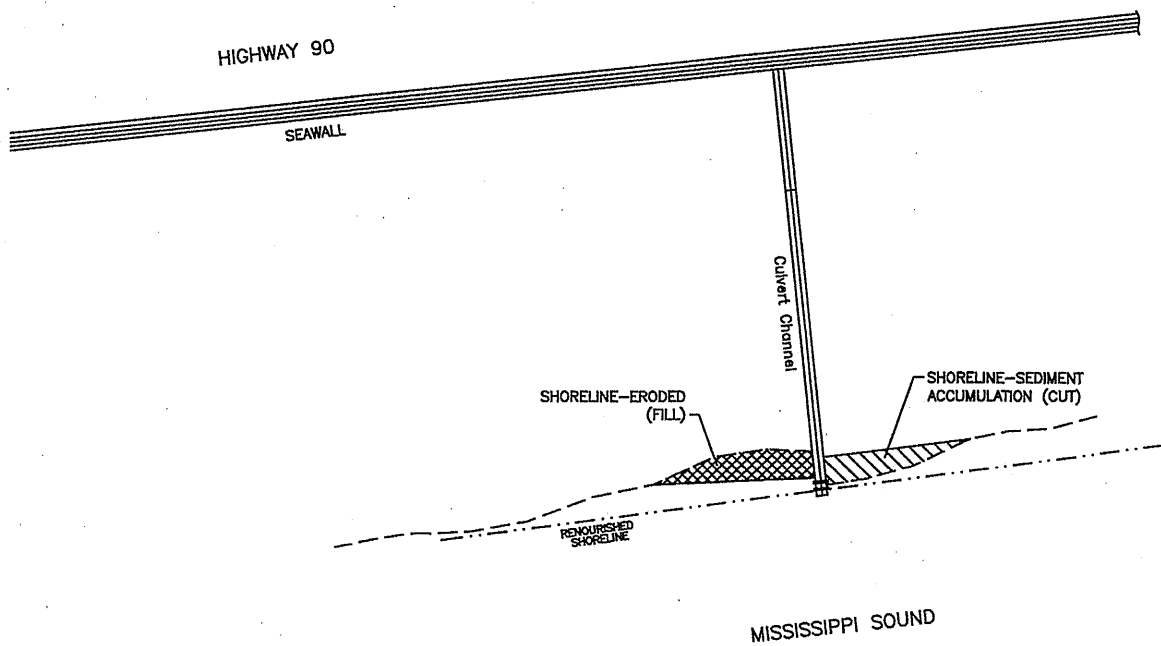
Plan View-Outfall Maintenance
Open Channel

5/3/17
\\3542\3542-PERMIT-REV



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CONSTRUCTION DETAILS
2017 SAND BEACH RENOURISHMENT
HARRISON COUNTY SAND BEACH DEPARTMENT
HARRISON COUNTY, MISSISSIPPI
SHEET 22 OF 26



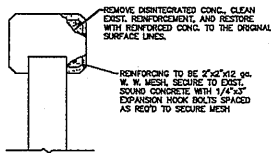
Plan View-Outfall Maintenance
Culvert Discharge Pipe

5/3/17
\\3542\\3542-PERMIT-REV

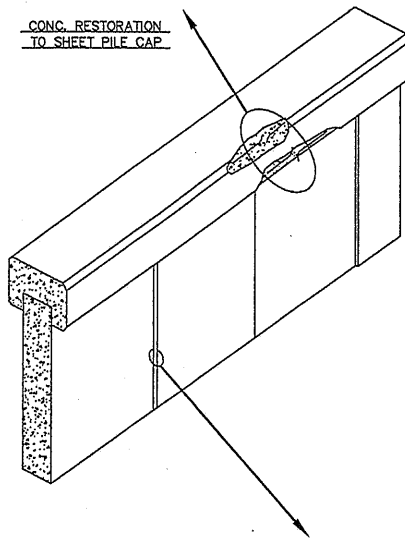


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CONSTRUCTION DETAILS
2017 SAND BEACH RENOURISHMENT
HARRISON COUNTY SAND BEACH DEPARTMENT
HARRISON COUNTY, MISSISSIPPI
SHEET 23 OF 26



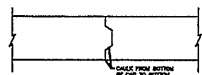
CONC. RESTORATION
TO SHEET PILE CAP



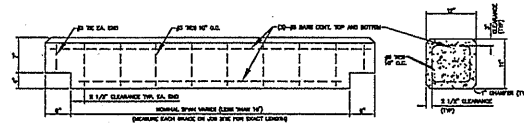
TYPICAL SHEET PILE W/ CAP

SHEET PILE REPAIR NOTES:

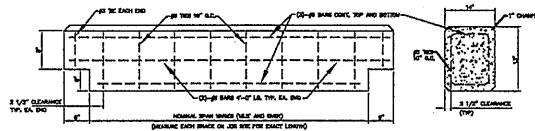
1. REMOVE DISINTEGRATED CONCRETE, CLEAN EXISTING REINFORCEMENT, AND RESTORE WITH REINFORCED CONCRETE TO THE ORIGINAL SURFACE LINES.
2. REINFORCING TO BE 2"x2"x12 gal. w.w. MESH, SECURE TO EXISTING SOUND CONCRETE WITH 1/4"x20 EXPANSION HOOK BOLTS SPACED AS REQ'D TO SECURE MESH.
3. JOINT REPAIR SHALL INCLUDE ENTIRE LENGTH OF JOINT FROM BOTTOM OF PILE CAP TO -1.0' ISL AND SHALL INCLUDE NECESSARY EXCAVATION.



CAULKING OF NEW SHEET PILE
JOINTS

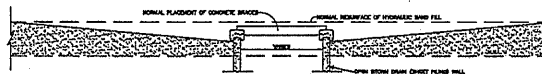


NOMINAL LENGTH OF 13.5' OR LESS

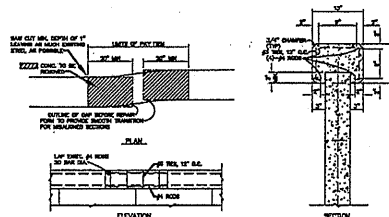


NOMINAL LENGTH OF 16.5' OR GREATER

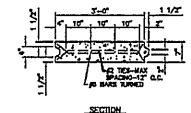
CONCRETE BRACES



TYPICAL OPEN CHANNEL SECTION



PILE CAP REPAIR / SHEET PILE
CAP INSTALLATION



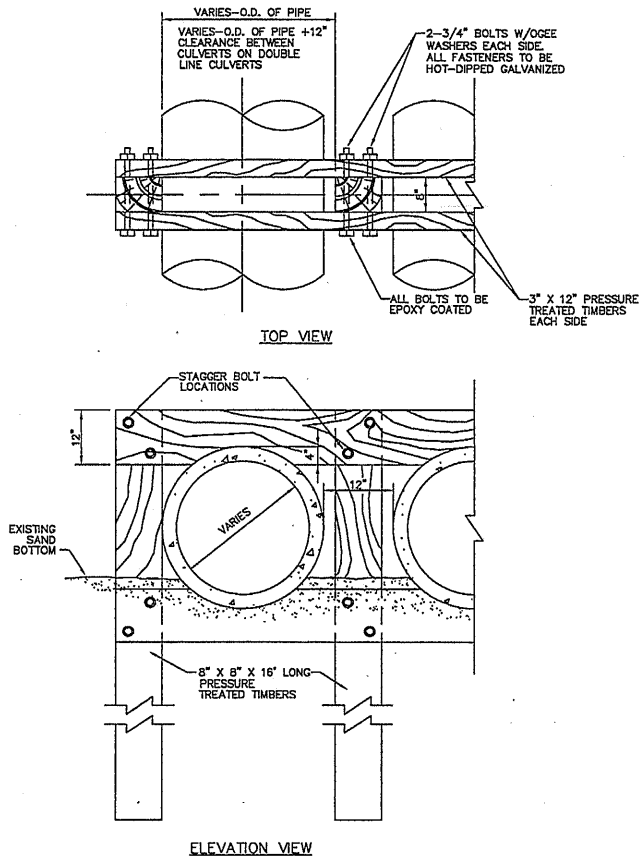
SHEET PILE DETAIL

5/3/17
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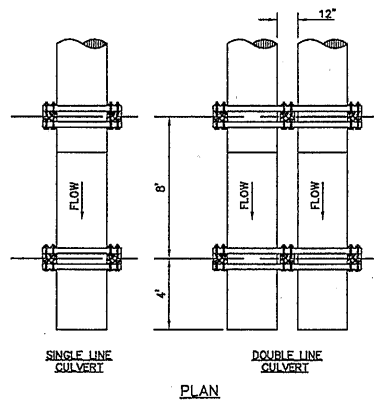
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CONSTRUCTION DETAILS
2017 SAND BEACH RENOURISHMENT
HARRISON COUNTY SAND BEACH DEPARTMENT
HARRISON COUNTY, MISSISSIPPI
SHEET 24 OF 26



PIPE ANCHOR STRUCTURE

N.T.S.



PIPE ANCHOR POSITIONING

N.T.S.

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CONSTRUCTION DETAILS
2017 SAND BEACH RENOURISHMENT
HARRISON COUNTY SAND BEACH DEPARTMENT
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