



DEPARTMENT OF THE ARMY  
U.S. ARMY CORPS OF ENGINEERS, NEW ORLEANS DISTRICT  
7400 LEAKE AVE.  
NEW ORLEANS, LA 70118-3651

June 12, 2023

Regulatory Division  
Western Evaluation Branch

**SUBJECT:** MVN-2022-01172-WLL

Coastal Protection & Restoration Authority  
P.O. Box 44027,  
Baton Rouge, LA 70804

Gentlemen,

The proposed work, to perform restoration of the HNC Island by hydraulic dredging from an open water borrow site and placement of sediments within a perimeter rock dike, all located in Terrebonne Bay approximately 4 miles southeast of the Town of Cocodrie, in Terrebonne Parish, Louisiana (29.1944, -90.6159), is authorized under a **Category II Programmatic General Permit** provided that all conditions of the permit are met.

This authorization has a blanket water quality certification from the Louisiana Department of Environmental Quality (DEQ); therefore, no additional authorization from DEQ is required.

Prior to commencing work on your project, you must obtain approvals from state and local agencies as required by law and by terms of this permit. These approvals include, but are not limited to, a permit consistency determination or determination of "no direct or significant impact (NDSI) on coastal waters" from the Louisiana Department of Natural Resources, Office of Coastal Management.

The following special conditions are made a supplemental part of this authorization:

1. All work shall be done in accordance with the approved plans and shall be confined to the permitted work area(s) represented within the attached drawings. If the project requires modifications to the authorized plan, the permittee shall contact this office to obtain a permit amendment and/or review and decision on the plans, prior to commencement of those alterations.
2. The permittee shall adhere to the attached Manatee Special Conditions.
3. The permittee is aware that future site visits and inspections may be conducted to the project area by this office and/or other resource agencies in order to assess project compliance with this authorization and requirements associated herewith. If it is determined by this office that construction activities resulted in permanent impacts or

disruption to vegetated wetland resources not permitted under this authorization, you shall implement appropriate measures, as directed by this office, to bring your activity into compliance.

4. The permittee is made aware that the U.S. Coast Guard MSU Houma COTP requires, if at any time the permittee intends to cross or block the Houma Navigation Canal, the permittee shall work directly with MSU Houma Waterways Management Division who can be reached at Email: [msuhouma.waterways@uscg.mil](mailto:msuhouma.waterways@uscg.mil) or (985) 850-6463.

5. The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

7. Your use of the permitted activity must not interfere with the public's right to free navigation on all navigable waters of the United States.

8. You must install and maintain, at your expense, any safety lights, signs and signals prescribed by the U.S. Coast Guard, through regulations or otherwise, on your authorized facilities. Any inquiries concerning a U.S. Coast Guard Private Aids to Navigation marking determination may be directed to the Eighth Coast Guard District (dpw), Hale Boggs Federal Building, 500 Poydras St., Suite 1230, New Orleans, Louisiana 70130, at (504) 671-2330 or via email to: [D8oanPATON@uscg.mil](mailto:D8oanPATON@uscg.mil). For general information related to Private Aids to Navigation, you may visit the Eighth CG District web site at: <http://www.atlanticarea.uscg.mil/district-8/district-divisions/waterways/PATON>.

9. If the authorized project, or future maintenance work, involves the use of floating construction equipment (barge mounted cranes, barge mounted pile driving equipment, floating dredge equipment, dredge discharge pipelines, etc.) in the waterway, you are advised to notify the Eighth Coast Guard District so that a Notice to Mariners, if required, may be prepared. Notification with a copy of this permit approval and drawings can be emailed to: [D8MarineInfo@uscg.mil](mailto:D8MarineInfo@uscg.mil), or mailed to the Commander (dpw), Eighth Coast Guard District, Hale Boggs Federal Building, 500 Poydras Street, Suite 1230, New Orleans, Louisiana 70130. Telephone inquiries can be directed to the Eighth Coast Guard District, Waterways Management at (504) 671-2118.

10. The permittee is advised of the requirements set forth in the attached Memorandum for Record and the associated special conditions. All responsibilities and compliance

related to the subject conditions are hereby directed to and have oversight by the USACE Navigation Office, Operations Manager, ODS, Mr. Raymond Newman, with this District. Should you have any questions on the requirements and restrictions stipulated, you shall contact the specified Operations Manager, who may be reached at 504-862-2050 or [raymond.c.newman@usace.army.mil](mailto:raymond.c.newman@usace.army.mil)

11. The permittee shall adhere to the following recommendations provided by the State Historic Preservation Officer (SHPO): For Borrow Area 1, we concur with the recommendation that Cluster 4 and recorded shipwrecks KML\_2693, KML\_2683, and KML\_2687 be avoided with a buffer of 150 feet around each reported location. Prior to beginning work in these locations, contact the LASHPO, Chip McGimsey at [cmcgimsey@crt.la.gov](mailto:cmcgimsey@crt.la.gov) or 225-219-4598.

This approval to perform work is valid for 5 years from the date of this letter.

Permittee is aware that this office may reevaluate its decision on this permit at any time the circumstances warrant.

Should you have any further questions concerning this matter, please call Michael Herrmann of this office at (504) 862-1954.

Sincerely,

For: Martin S. Mayer  
Chief, Regulatory Division

Enclosures

MEMORANDUM FOR RECORD: Chief, Regulatory Branch ATTN: Michael Herrmann  
SUBJECT: MFR IN ACCORDANCE WITH EC 1165-2-220, APPENDIX G – CPRA  
**MVN-2022-01172-WLL, P20220819**

1. The Operations Manager for Houma Navigation Canal project (ODS) has reviewed the application from CPRA to restore a Bay Chaland bird island east of the channel in Terrebonne Parish, Louisiana.
2. It has been determined that the subject application is within the Houma Navigation Canal navigation servitude but is outside of the navigation fairway limits. Therefore, this request has no impact to the usefulness of the project and will not be injurious to the public interest.

The scope of this analysis for Section 408 evaluation is limited to the federal limits of the Federal Navigation Channel.

3. ODS has no objections to the subject request provided the following navigation conditions are included as part of the Section 10 permit documents as per EC 1165-2-220, APPENDIX K (enclosed):

PROJECT- SPECIFIC CONDITIONS:

- a. The work was performed in accordance with the submitted application and drawings.
- b. Any damage to the channels and/or banks resulting from the Applicant's activities is repair at the Applicant's expense and to the satisfaction of the Corps of Engineers.
- c. Equipment staging area lies outside of the navigation fairway, at a minimum of 380 feet east of the channel centerline. If dredging for equipment access is needed outside of the navigation channel, material shall be placed so that it does not enter the Houma Navigation Canal. The booster pump and dredge pipeline are not within the channel limits and lie approximately 600 feet east of the channel centerline. The borrow area is approximately 4,000 feet east of Cat Island Pass. It should be noted there is a current Government contract to dredge Terrebonne Bay that may be working in the vicinity of Bay Chaland Island.
- d. Applicant's operations shall not interfere with the Government contract
- e. No excavated/dredged material were discharged in the federal channel.
- f. There shall be no unreasonable interference with navigation by the existence or use of the activity authorized herein.
- g. The applicant will, at his or her expense, install and maintain any safety light, signals, and signs prescribed by the United States Coast Guard, through regulations or otherwise, on authorized facilities or on equipment used in performing work under the authorization.
- f. If the proposed project involves the use of floating construction equipment (barge mounted cranes, barge mounted pile driving equipment, floating dredge equipment, dredge discharge pipelines, etc.,) in the waterway, the applicant is advised to notify the appropriate Captain of the Port so that a Notice to Mariners, if required, may be provided about one month before you plan to start work. Contact information for the local Captain of the Port's offices may be located at [Blockedhttps://homeport.uscg.mil](https://homeport.uscg.mil) under "port directory". In addition, a copy of your permit

approval and drawings should be mailed to the Commander, Eight Coast Guard District, Hale Boggs Federal Building, 500 Poydras Street, Room 1230, New Orleans, Louisiana 70130, or emailed to [D08-DG-District-DPW@uscg.mil](mailto:D08-DG-District-DPW@uscg.mil). Telephone inquiries can be directed to the Eighth Coast Guard District, Waterways Management at (504) 671-2330.

4. The above Section 408 special conditions and standard conditions enclosed are enforceable by the USACE Navigation Manager for the Houma Navigation Canal as per Appendix G, EC 1165-2-220. The point of contact for enforcing such Section 408 conditions in the Section 10 permit is Jane Brown, 504-862-1297, [Jane.L.Brown@usace.army.mil](mailto:Jane.L.Brown@usace.army.mil) or Ray Newman, 504-862-2050, [Raymond.C.Newman@usace.army.mil](mailto:Raymond.C.Newman@usace.army.mil).
5. Please contact the Operations Manager Ray Newman before beginning work.
5. If there are any questions regarding these conditions, please contact me at 504-862-1297.

*Jane L Brown*  
for Raymond C. Newman  
Operations Manager  
Operations Division

Enclosure (Standard 408 conditions)

**U.S. Army Corps of Engineers**  
**New Orleans District**  
**Section 408**  
**EC-1165-2-220 Appendix K**  
**Standard Terms and Conditions**

LIMITS OF THE AUTHORIZATION

1. This permission only authorizes you, the requester, to undertake the activity described herein under the authority provided in Section 14 of the Rivers and Harbors Act of 1899, as amended (33 USC 408). This permission does not obviate the need to obtain other federal, state, or local authorizations required by law. This permission does not grant any property rights or exclusive privileges, and you must have appropriate real estate instruments in place prior to construction and/or installation.
2. The time limit for completing the work authorized end on 5 years from the date of the Regulatory permit if a Regulatory permit is required. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.
3. Without prior written approval of the USACE, you must neither transfer nor assign this permission nor sublet the premises or any part thereof, nor grant any interest, privilege, or license whatsoever in connection with this permission. Failure to comply with this condition will constitute noncompliance for which the permission may be revoked immediately by USACE.
4. The requester understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration of the work herein authorized, or if, in the opinion of the Secretary of the Army or an authorized representative, said work will cause unreasonable conditions and/or obstruction of USACE project authorized design, the requester will be required upon due notice from the USACE, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim can be made against the United States on account of any such removal or alteration.

INDEMNIFICATION AND HOLD HARMLESS

5. The United States will in no case be liable for:
  - a. Any damage or injury to the structures or work authorized by this permission that may be caused or result from future operations undertaken by the United States, and no claim or right to compensation will accrue from any damage; or
  - b. Damage claims associated with any future modification, suspension, or revocation of this permission.
6. The United States will not be responsible for damages or injuries which may arise from or be incident to the construction, maintenance, and use of the project requested by you, nor for damages to the property or injuries to your officers, agents, servants, or employees, or others who may be on your premises or project work areas of the federal project(s) rights-of-way. By accepting this permission, you hereby agree to fully defend, **indemnify**, and **hold harmless** the United States and USACE from any and all such claims, subject to any limitations in law.
7. Any damage to the water resources development project or other portions of any federal project(s) resulting from your activities must be repaired at your expense.

## REEVALUATION OF PERMISSION

8. The determination that the activity authorized by this permission would not impair the usefulness of the federal project and would not be injurious to the public interest was made in reliance on the information you provided.
9. This office, at its sole discretion, may reevaluate its decision to issue this permission at any time circumstances warrant, which may result in a determination that it is appropriate or necessary to modify or revoke this permission. Circumstances that could require a reevaluation include, but are not limited to, the following:
  - a. You fail to comply with the terms and conditions of this permission.
  - b. The information provided in support of your application for permission proves to have been inaccurate or incomplete; or
  - c. Significant new information surfaces which this office did not consider in reaching the original decision that the activity would not impair the usefulness of the water resources development project and would not be injurious to the public interest.

## CONDUCT OF WORK UNDER THIS PERMISSION

10. You are responsible for implementing any requirements for mitigation, reasonable and prudent alternatives, or other conditions or requirements imposed as a result of environmental compliance.
11. Work/usage allowed under this permission must proceed in a manner that avoids interference with inspection, operation, and maintenance of the federal project.
12. In the event of any deficiency in the design or construction of the requested activity, you are solely responsible for taking remedial action to correct the deficiency.
13. The right is reserved to the USACE to enter upon the premises at any time and for any purpose necessary or convenient in connection with government purpose, to make inspections, to operate and/or to make any other use of the lands as may be necessary in connection with government purposes, and you will have no claim for damages on account thereof against the United States or any officer, agent, or employee thereof.
14. You must provide copies of pertinent design, construction, and/or usage submittal/documents. USACE may request that survey and photographic documentation of the alteration work and the impacted project area be provided before, during, and after construction and/or installation.
15. You may be required to perform an inspection of the federal project with the USACE, prior to your use of the structure, to document existing conditions.
16. USACE shall not be responsible for the technical sufficiency of the alteration design nor for the construction and/or installation work.



DEPARTMENT OF THE ARMY  
U.S. ARMY CORPS OF ENGINEERS, NEW ORLEANS DISTRICT  
7400 LEAKE AVENUE  
NEW ORLEANS, LA 70118-365

June 1, 2022

CEMVN  
Regulatory Division

SUBJECT: Programmatic General Permit

A PROGRAMMATIC GENERAL PERMIT  
FOR USE IN THE NEW ORLEANS DISTRICT  
WITHIN THE BOUNDARIES OF THE LOUISIANA COASTAL ZONE

Under authorization granted by applicable sections of Parts 320 through 332 of Title 33, Code of Federal Regulations, and delegated authority from the Commander, US Army Corps of Engineers, the District Commander at New Orleans has determined that it is in the public interest to extend the programmatic general permit (**PGP**) to authorize those activities that result in minimal adverse impacts within the boundaries of the Louisiana Coastal Zone, as specified by the terms and conditions of this PGP.

Specific Legislation requiring Department of the Army permits for work of this nature:

Section 10 of the Rivers and Harbors Act of 3 March 1899 (33 USC 403).

Section 404 of the Clean Water Act (33 USC 1344).

Waters of the United States are defined in Part 328 of Title 33, Code of Federal Regulations.

Special aquatic sites means wetlands, mudflats, vegetated shallows, coral reefs, sanctuaries and refuges, and riffle and pool complexes, as defined at 40 CFR 230.40 through 230.45.

This PGP does not authorize dams in navigable waters of the United States pursuant to Section 9 of the Rivers and Harbors Act of 3 March 1899 (33 USC 401) or transportation of dredged material for ocean disposal pursuant to Section 103 of the Marine Protection, Research and Sanctuaries Act (33 USC 1413).

GENERAL EXCLUSIONS

I. The following work will not be eligible under this PGP. Applications for this work will be processed in accordance with 33 CFR Part 325:

- (1) Work outside the boundaries of the Louisiana Coastal Zone.



(2) Activities which are not covered under the Louisiana Coastal Resources Program as implemented by the Louisiana Department of Natural Resources, Office of Coastal Management (LDNR, OCM).

(3) No activity is authorized under this PGP which may adversely affect the continued existence, or which will destroy or adversely modify the critical habitat, of a threatened or endangered species, or a species proposed for such a designation, as identified under the Federal Endangered Species Act.

(4) Work or structures within 1,500 feet of any mainline flood control and hurricane damage risk reduction levees, structures, etc. constructed and/or maintained with federal funds without prior coordination with, and the concurrence from, CEMVN. Work that might alter US Army Corps of Engineers Civil Works projects will not qualify for this general permit until Permission pursuant to 33 USC 408 is granted by the District Commander.

(5) Structures or work in or that would impinge upon the value (habitat, hydrology, etc.) of any National Wildlife Refuge, National Forest, areas administered by the National Park Service of the US Department of the Interior, areas administered by the Louisiana Departments of Natural Resources or Wildlife and Fisheries, or other similar publicly held areas administered by federal, state, or local governmental authority unless special permission from these agencies is submitted during the review of, or with, the application for this general permit.

(6) Projects of national or individual concern. This exclusion is invoked on a case-by-case basis and represents, a special class of projects that receive particular attention in Corps decisions on whether to exercise the discretionary authority to require individual applications for work that otherwise meets all of this permit's conditions. While a precise definition is not possible, this category of work normally includes, but is not limited to, the following examples: projects that could cause an unreasonable interference with navigation; significant wetland fills; major power plants, shipping facilities and oil refineries; major commercial, residential or industrial developments; and work that could adversely affect habitats important to migratory birds, endangered or threatened species, estuarine-dependent fishes and shellfishes, or other species of high federal interest; or historic, cultural or archaeological sites listed in the National Register of Historic Places or sites listed in the National Registry of Natural Landmarks; or specific activities for which agencies request, and provide justification for, the requirement of an individual permit review.

(7) The PGP does not authorize dredging or the deposition of dredged and/or fill material for construction of oilfield access roads, drilling locations, pits, ring levees, and associated facilities in jurisdictional waters of the U.S. including wetlands, within the Atchafalaya Basin (as defined by USGS Hydrologic Unit Code: 08080101).

II. The following activities will likely be excluded for consideration under this PGP:

- a. Work within 1 mile of offshore navigation fairways and anchorages
- b. Commercial sand dredging in the Mississippi River

- c. Barge fleeting
- d. Mid-stream transfer facilities in the Mississippi River
- e. Channel ward extensions of existing facilities in federally maintained waterways
- f. Waterway closures (excluding plugs in abandoned canals)
- g. New marsh management
- h. New water control structures (except open culverts sized and set to maintain natural flow)
- i. Contaminated sediment excavation and/or disposal, including but not limited to such activities proposed in Harvey Canal and Calcasieu River
- j. Activities that would adversely impact environmentally sensitive areas (e.g., barrier islands, bird rookeries, coral reefs, seagrass beds, etc.)
- k. Activities adversely affecting Coastal Wetlands Planning, Protection and Restoration Act (PL 646) projects
- l. Projects which would impact the hydrology of adjacent wetlands such that the acreage criteria established in this permit are exceeded

## INCLUSIONS

### Category I Activities

What follows is a listing of activities which fall under Category I. The format of this general permit has been designed so that all similar activities have been grouped together where the purpose and the nature of that impact is similar. These activities are further limited, **unless otherwise noted**, by the acreage being impacted. CEMVN will verify qualification of specific activities for Category I authorization. The procedures for properly applying for and obtaining approval are found in the section of this document entitled 'Reporting/Acknowledgment Procedures'.

For the purposes of this permit, the acreage limitations established include the area flooded, drained, filled, or excavated, unless otherwise indicated. For activities to comply with Category I, they cannot cause the loss of greater than 0.5 of an acre of special aquatic sites.

1. Oil and gas activities including shell pads for drilling activities, exploration and production structures or extensions thereof, new channels or slips less than 0.5 of a mile in length in open water, and other related activities.
2. Survey activities not including 3D seismic activities.
3. Flowlines/pipelines 25,000 linear feet or less in length. Includes minor activities associated with pipeline abandonment.
4. Hazardous condition response activities. For purposes of this general permit, a hazardous condition is a situation which would result in an imminent safety and/or environmental hazard, loss of property, or immediate economic hardship if corrective action requiring a permit is not undertaken within a time period less than the normal time period needed to

process the application. Applicants will submit sufficient information to document the hazardous condition and scope of work. This authorization is conditional. Within 30 days of the authorization, permittees will be required to submit an application for any work performed, or needed to be performed, to rectify the hazardous situation. The application will be processed in the appropriate manner. Alternatively, if the structures and/or fill installed to remediate the hazard are no longer necessary, the permittee must submit a site restoration plan for review and authorization by CEMVN. Restoration plans must be implemented within 30 days of receipt of CEMVN concurrence, unless otherwise specified (**acreage limits for the initial request do not apply**).

5. Dredging of existing waterbodies. Excavation cannot exceed 40,000 cubic yards of material.
6. Maintenance of existing structures and fill provided the structures or fill are not put to uses differing from those uses specified or contemplated for it. The activity must be the repair, rehabilitation or replacement of a currently serviceable structure or fill. Currently serviceable means useable as is or with some maintenance, but not so degraded as to essentially require reconstruction. This does not include maintenance dredging or beach restoration.
7. Miscellaneous structures including mooring buoys and aids to navigation which are approved by and installed in accordance with the requirements of the U.S. Coast Guard.
8. Scientific measuring devices. Devices to measure and record scientific data such as staff gauges, tide gauges, water quality testing, etc.
9. Sealed forms or cells for pile supported structures.
10. Single piles, pile clusters.
11. Trenasse (pirogue ditch) maintenance. The maximum width of the trenasse shall not exceed 6 feet with a maximum depth of 3 feet.
12. Minor road crossings. Placement of fill for a road, including the placement of culverts provided bank full flow is maintained. Includes cattle crossings.
13. Bank stabilization. Activity may not exceed 200 feet in length and greater than 1 cubic yard per linear foot of fill placement below the plane of the ordinary highwater mark or mean high water line whichever applies.
14. Erosion Protection and Restoration along public highways which parallels or is adjacent to waterbody, up to one mile in length provided the work is performed by LA DOTD, parish or municipal highway department. No dredging is authorized (except that material which has sloughed from the embankment), bulkheads must be placed at the existing bank line, and work may include revetment and fill to repair and maintain existing bridge

sites.

15. Wharves, piers, and similar structures, structures in manmade canals, small boat slips, boat ramps, and associated fill and appurtenances. Structures may neither exceed 600 square feet in area, nor extend channel ward more than 10 percent of the waterway bank-to-bank distance, nor cause unreasonable interference to navigation. Boat slips/ramps up to 30 feet by 15 feet in area.
16. Artificial reefs constructed for the purpose of enhancing fishing opportunities.
17. Categorical Exclusions: Activities which are undertaken, funded, authorized, regulated, or financed, in whole or in part, by another federal agency or department where that agency or department has determined, pursuant to the Council on Environmental Quality Regulation for Implementing the Procedural Provisions of the National Environmental Policy Act, that the activity work or discharge is categorically excluded from environmental documentation because it is included within a category of actions which neither individually nor cumulatively have a significant effect on the human environment, and the Office of the Chief of Engineers has been furnished notice of the agency's or department's application for the categorical exclusion and concurs with that determination.
18. Work not specifically excluded which clears, grades, fills or excavates no greater than 0.5 of an acre of special aquatic sites, as deemed applicable by CEMVN.

### Category II Activities

What follows is a listing of all of the activities which fall under Category II. The format of this general permit has been designed so that all similar activities have been grouped together where the purpose and the nature of that impact is similar. These activities are further limited, **unless otherwise noted**, by the acreage being impacted. For activities to comply with Category II the impact is limited as follows:

Non-oil and gas related activities may result in the loss of no greater than 2.0 acres of tidal or 3.0 acres of non-tidal, special aquatic sites. Oil and gas related activities may result in the loss of no greater than 3.5 acres tidal or non-tidal special aquatic sites.

1. Oil and gas activities, including board roads, ring levees, exploration and production structures or extensions, new oil and gas canals and slips, parallel/perpendicular slips, etc.
2. Seismic surveys (**acreage limits do apply**).
3. Any flowlines, pipelines and utility lines up to 50,000 linear feet in length, and all aerial transmission lines. Must utilize the least damaging, practicable route and construction method, otherwise an individual permit will be required. Power transmission lines must

comply with regulations found at 33 CFR Part 322.5(i).

4. Cleanup of hazardous and toxic waste. For toxic and hazardous waste, the activity must be sponsored by a government agency with established legal or regulatory authority or be court ordered (**acreage limits do not apply**).
5. Oil spill cleanup. Activities will be subject to the National Oil and Hazardous Substances Pollution Contingency Plan (40 CFR Part 300), and work must be done in accordance with the Spill Control and Countermeasure Plan required by 40 CFR part 112.3. Work must also comply with any State Contingency plan and the Regional Response Team must concur with the action (**acreage limits do not apply**).
6. Dredging of existing waterbodies. Excavation cannot exceed 100,000 cubic yards of material (volume limits do not apply to activities being conducted for the purpose of wetland restoration, and; up to 250,000 cubic yards allowed for removal of silt accumulations around existing docks, barge fleets and mooring areas in the Mississippi River with disposal beyond the minus 55-foot contour).
7. Outfall structures. Provided the effluent is in compliance with regulations issued under the National Pollutant Discharge Elimination System (Section 402 of the Clean Water Act).
8. Wharves, piers, and similar structures, structures in manmade canals, small boat slips, boat ramps, and associated fill and appurtenances. Structures may exceed 600 square feet in area, but may neither extend channel ward more than 20 percent of the waterway bank-to-bank distance, nor cause unreasonable interference to navigation. Boat slips/ramps up to 60 feet by 25 feet in area.
9. Erosion Protection and Restoration along public highways which parallels or is adjacent to waterbody, one mile in length and greater provided the work is performed by the LA DOTD, parish or municipal highway department. No dredging is authorized (except that material which has sloughed from the embankment), bulkheads must be placed at the existing bank line, and work may include revetment to repair and maintain existing bridge sites.
10. Bank stabilization. Activities that are greater than 200 linear feet in length, but do not exceed 500 linear feet, or where fill placement exceeds 1 cubic yard per running foot below the plane of the ordinary highwater mark or mean high water line whichever applies. District Engineer may grant a waiver to this limitation for proposed activities up to 1000 feet if determined to have minimal individual and cumulative adverse environmental effect.
11. Categorical Exclusions. Activities which are undertaken, funded, authorized, regulated, or financed, in whole or in part, by another federal agency or department where that agency or department has determined, pursuant to the Council on Environmental Quality

Regulation for Implementing the Procedural Provisions of the National Environmental Policy Act, that the activity work or discharge is categorically excluded from environmental documentation because it is included within a category of actions which neither individually or cumulatively have a significant effect on the human environment, and the Office of the Chief of Engineers has been furnished notice of the agency's or department's application for the categorical exclusion and concurs with that determination.

12. Small weirs, flumes and similar scientific measuring devices provided aquatic organism movement is minimally impeded.
13. Wetland restoration and creation activities. Activities specifically designed which have a beneficial effect on wetlands and/or aquatic resources, as determined applicable by CEMVN. Limits on the volume of dredged material and acreage of fill area do not apply. Mitigation banks/areas excluded.
14. Work not specifically excluded which clears, grades, fills or excavates no greater than 2.0 acres of tidal, or 3.0 acres of non-tidal, special aquatic sites, as determined applicable by CEMVN.

## REPORTING/ACKNOWLEDGMENT PROCEDURES

### A. COMPLETE APPLICATION

Requests for authorization under the PGP require the applicant to submit an application to the DNR, OCM; **an electronic version of the application can be found at <http://www.dnr.la.gov>**. The applicant's submittal must include a fully completed joint application form and project plans showing all work for which a permit is being requested. LDNR, OCM will electronically forward the application to CEMVN.

A "**complete**" application consists of the following:

- (1) A completely filled out joint on-line application form.
- (2) Vicinity Map - You may use an existing road map or U.S. Geological Survey topographic map. This map should include:
  - (i) Location of activity site (draw an arrow showing the exact location of the site on the map).
  - (ii) Latitude, longitude, and section, township and range, if known.
  - (iii) Names, descriptions and location of landmarks.

- (iv) Name of and distance to nearest town, community, or other identifying locations, including parish.
  - (v) Names or numbers of all roads in the vicinity of the site.
  - (vi) North arrow.
  - (vii) Appropriate dimensions (length x width x depth) or drawings to scale.
- (3) Plan view and cross section drawings of the proposed work which include:
- (a) Primary dimensions of the activity.
  - (b) Appropriate dimensions (length x width x depth) or drawings to scale.
  - (c) Volume (cubic yards), source, and type of dredged/fill material(s).
  - (d) Mean low and highwater marks.
- (4) A statement that the proposed project is consistent with the approved state coastal zone management program.

For the following application types to be considered "complete", additional information may be required:

- 1) New oil/gas well or reinjection well applications that would result in adverse impacts to special aquatic sites must have undergone an interagency Geologic Review Meeting. The least damaging practicable alternative identified therein may qualify for PGP authorization provided it complies with the criteria of the PGP.
- 2) Residential subdivisions or an individual single-family home within an existing subdivision must include a subdivision layout.
- 3) Activities on state operated wildlife management areas or federal refuges must include a written approval from the management area/refuge manager.
- 4) Projects where the permitted activity requires site restoration upon abandonment of the activity must include signed statements from the affected landowners that they have no objection to the required restoration and that they agree not to develop the restoration areas without prior approval from CEMVN.
- 5) Projects where a Corps jurisdictional determination is necessary in order to assess the potential impacts of the proposed work.

Proposals not considered "complete" will be placed "on-hold" until such time as **all** required information is obtained.

## B. PROCEDURE

### 1. Category I activities:

Within 10 working days of CEMVN receiving a complete application, it will determine whether the requirements of Category I are met and advise the applicant if the application is complete or if additional information is needed. CEMVN will finalize a permit decision upon completion of all requisite reviews.

### 2. Category II activities:

Within 10 working days of CEMVN receiving a complete application, it will notify the applicant that the project will be evaluated as a Standard Permit or forward a copy of the application and drawings to the National Marine Fisheries Service, US Environmental Protection Agency, and Louisiana Department of Wildlife and Fisheries for review. These agencies will have 5 working days to submit comments or request additional review time not to exceed 20 working days total. Concurrences may be forwarded to CEMVN via telephone or electronic mail, non-concurrences must be made in writing with an information copy sent to the applicant which includes a description of the impact(s) considered to be more than minimal\*. Lack of a response from these resource agencies within the appropriate time frame will be considered as no objection or no position by those agencies.

To the extent practicable and subject to completion of all requisite reviews within 15 days thereafter, CEMVN will either:

- a) issue an authorization letter (with any necessary special conditions), to the permittee, or;
- b) issue an authorization letter with modifications as recommended by the resource agencies or CEMVN, or;
- c) issue a notice to the applicant that the project will be evaluated as a Standard Permit.

To the extent practicable, LDNR, OCM will be notified at the same time the applicant is notified of CEMVN's determination in all of the above situations.



\* CEMVN's non-concurrence with the reviewing resource agencies objections and/or recommendations will be made in writing by the District Commander (or his designee) to the respective agency.

### C. MITIGATION

Appropriate compensatory mitigation will be required for unavoidable adverse impacts which remain after all appropriate and practicable minimization has been attained. The objective of compensatory mitigation is to replace wetland functions, values and services impacted by implementation of the permitted activity. Compensatory mitigation may include, but is not limited to, contracting with a mitigation bank to provide the credits to fully offset the impact; acquisition of credits from the Louisiana Department of Natural Resources' In-lieu Fee Program for the creation, restoration or enhancement of wetlands, or; the permittee's implementation of a wetland mitigation project determined to be acceptable by CEMVN and LDNR, OCM (i.e., permittee responsible mitigation).

CEMVN is obligated to ensure the appropriateness and adequacy of compensatory mitigation in accordance with the 2008 Final Rule on Compensatory Mitigation for Losses of Aquatic Resources, 33 CFR Part 332 and 40 CFR Part 230. CEMVN recognizes that although the State supports a goal of achieving no net loss of coastal wetlands as specified in the April 1997 Louisiana Coastal Wetlands Conservation Plan, differences in regulations and policies promulgated by the state and federal programs may not facilitate alignment of compensatory mitigation requirements in all instances. When CEMVN determines potentially affected resource values to be of sufficient concern so as to ensure the compliance of a prospective PGP with Corps mitigation policy, CEMVN will coordinate such findings with LDNR, OCM with the intent to implement compensatory mitigation requirements that are consistent with state and federal regulations. Should CEMVN and LDNR, OCM achieve concurrence on compensatory mitigation requirements, CEMVN will finalize the decision on the PGP accordingly. In the event concurrence on the compensatory mitigation requirement is not achieved, CEMVN will either stipulate its compensatory mitigation requirements in the PGP authorization or pursue evaluation of the activity in accordance with Standard Permit application procedures, whichever is appropriate. Although it is recognized that the complexity of compensatory mitigation coordination may increase process time, CEMVN will adhere to the procedural timeframe defined above to the extent practicable.

CEMVN also recognizes the interest of the State in locating compensatory mitigation for those actions located outside the Louisiana Coastal Zone, but within the Louisiana Coastal Wetlands Conservation Plan Area (LCPA), within the LCPA. CEMVN is committed to facilitate mitigation site selection within the LCPA to the extent that adherence to Corps national mitigation policy is not compromised.

CEMVN and LDNR, OCM will assess mitigation performance instituted pursuant to PGP implementation as needed, or when requested by either agency.

#### D. GENERAL CONDITIONS

1. Activities authorized under this general permit shall not be used for piecemeal work and shall be applied to single and complete projects. All components of a single and complete project shall be treated together as constituting one single and complete project. All planned phases of multi-phased projects shall be treated together as constituting one single and complete project. This general permit shall not be used for any activity that is part of an overall project for which an individual permit is required.
2. No activity is authorized under this general permit which may adversely affect significant cultural resources listed or eligible for listing in the National Register of Historic Places until the requirements for Section 106 of the National Historic Preservation Act are met. Upon discovery of the presence of previously unknown historic and/or prehistoric cultural resources, all work must cease and the permittee must notify the State Historic Preservation Office and the Corps of Engineers (CEMVN). We will initiate the Federal and State coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places. The authorization is suspended until it is determined whether or not the activity will have an adverse effect on cultural resources. The authorization may be reactivated or modified through specific conditions if necessary, if it is determined that the activity will have no adverse effect on cultural resources. The Programmatic General Permit (PGP) authorization will be revoked if it is determined that cultural resources would be adversely affected, and an individual permit may be necessary.
3. No activity may substantially disrupt the movement of those species of aquatic life indigenous to the water body, including those species which normally migrate through the area, unless the activity's primary purpose is to block or impound water.
4. If the **authorized** activity involves the installation of aerial transmission lines, submerged cable, or submerged pipelines across navigable waters of the United States the following is applicable:

The National Ocean Service (NOS) has been notified of this authorization. You must notify NOS and this office in writing, at least two weeks before you begin work and upon completion of the activity authorized by this permit. Your notification of completion must include a drawing which certifies the location and configuration of the completed activity (a certified permit drawing may be used). Notification to NOS will be sent to the following address: National Ocean Service, Office of Coast Survey, N/CS261, 1315 East West Highway, Silver Spring, Maryland 20910-3282.

5. For pipelines under an anchorage or a designated fairway in the Gulf of Mexico the following is applicable: The NOS has been notified of this authorization. You must notify NOS and this office in writing, at least two weeks before you begin work and upon completion of the activity authorized by this permit. Within 30 days of completion of the pipeline, 'as built' drawings certified by a professional engineer registered in Louisiana or by a registered surveyor shall be furnished to this office, the Commander (dpw), Eighth Coast Guard District, Hale Boggs Federal Building, 500 Poydras Street, Room 1230, New Orleans, Louisiana 70130, and to the Director, National Ocean Service, Office of Coast Survey, N/CS261, 1315 East West Highway, Silver Spring, Maryland 20910-3282. The plans must include the location, configuration and actual burial depth of the completed pipeline project.
6. All activities authorized herein shall, if they involve, during their construction or operation, any discharge of pollutants into waters of the United States, be at all times consistent with applicable water quality standards, effluent limitations and standards of performance, prohibitions, pretreatment standards and management practices established pursuant to the Clean Water Act (PL 92-500:86 Stat 816), or pursuant to applicable state and local laws.
7. Substantive changes to the Louisiana Coastal Resources Program may require immediate suspension and revocation of this permit in accordance with 33 CFR 325.7.
8. Irrespective of whether a project meets the other conditions of this permit, the Corps of Engineers retains discretionary authority to require an individual Department of the Army permit when circumstances of the proposal warrant this requirement.
9. Any individual authorization granted under this permit may be modified, suspended, or revoked in whole or in part if the Secretary of the Army or his authorized representative determines that there has been a violation of any of the terms or conditions of this permit or that such action would otherwise be in the public interest.
10. CEMVN may suspend, modify, or revoke this general permit if it is found in the public interest to do so.
11. Activities authorized under the PGP must comply with all other necessary federal, state, and/or local permits, licenses, or approvals. Failure to do so would result in a violation of the terms and conditions of the PGP.
12. The permittee shall allow the District Commander or his authorized representative(s) or designee(s) to make periodic inspections of the project site(s) at any time deemed necessary in order to assure that the activity being performed under authority of this permit is in accordance with the terms and conditions prescribed herein.

13. This general permit does not convey any property rights, either in real estate or material, or any exclusive privileges; and it does not authorize any injury to property or invasion of rights or any infringement of federal, state, or local laws or regulations nor does it obviate the requirements to obtain state or local assent required by law for the activity authorized herein.

14. In issuing authorizations under this permit, the federal government will rely upon information and data supplied by the applicant. If, subsequent to the issuance of an authorization, such information and data prove to be false, incomplete, or inaccurate, the authorization may be modified, suspended, or revoked, in whole or in part.

15. For activities resulting in sewage generation at the project site, such sewage shall be processed through a municipal sewage treatment system or, in areas where tie-in to a municipal system is not practical, the on-site sewerage system must be approved by the local parish sanitarian before construction

16. Any modification, suspension, or revocation of the PGP, or any individual authorization granted under this permit, will not be the basis for any claim for damages against the United States.

17. Additional conditions deemed necessary to protect the public interest may be added to the general permit by the District Commander at any time. If additional conditions are added, the public will be advised by public notice. Individual authorizations under the PGP may include special conditions deemed necessary to ensure minimal impacts and compliance with the PGP.

18. The PGP is subject to periodic formal review by CEMVN and the Louisiana Department of Natural Resources, Office of Coastal Management (LDNR, OCM) in coordination with the Environmental Protection Agency, the National Marine Fisheries Service, and the Louisiana Department of Wildlife and Fisheries. Comments from reviewing agencies will be considered in determination as to whether modifications to the general permit are needed. Should the District Commander decide not to incorporate a change proposed by a reviewing agency, after normal negotiations between the respective agencies, the District Commander will explain in writing to the reviewing agency the basis and rationale for his decision.

19. CEMVN retains discretion to review the PGP, its terms, conditions, and processing procedures, and decide whether to modify, reissue, or revoke the permit. If the PGP is not modified or reissued within 5 years of its effective date, it automatically expires and becomes null and void.

20. The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

21. Your use of the permitted activity must not interfere with the public's right to free navigation on all navigable waters of the United States.

22. You must install and maintain, at your expense, any safety lights, signs and signals prescribed by the U.S. Coast Guard, through regulations or otherwise, on your authorized facilities. Any inquiries concerning a U.S. Coast Guard Private Aids to Navigation marking determination may be directed to the Eighth Coast Guard District (dpw), Hale Boggs Federal Building, 500 Poydras St., Suite 1230, New Orleans, Louisiana 70130, at (504) 671-2330 or via email to: [D8oanPATON@uscg.mil](mailto:D8oanPATON@uscg.mil). For general information related to Private Aids to Navigation, you may visit the Eighth CG District web site at: <http://www.atlanticarea.uscg.mil/district-8/district-divisions/waterways/PATON>

23. If the authorized project, or future maintenance work, involves the use of floating construction equipment (barge mounted cranes, barge mounted pile driving equipment, floating dredge equipment, dredge discharge pipelines, etc.) in the waterway, you are advised to notify the Eighth Coast Guard District so that a Notice to Mariners, if required, may be prepared. Notification with a copy of this permit approval and drawings can be emailed to: [D8MarineInfo@uscg.mil](mailto:D8MarineInfo@uscg.mil), or mailed to the Commander (dpw), Eighth Coast Guard District, Hale Boggs Federal Building, 500 Poydras Street, Suite 1230, New Orleans, Louisiana 70130. Telephone inquiries can be directed to the Eighth Coast Guard District, Waterways Management at (504) 671-2118.

24. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party as described in General Condition 25 below. Should you wish to cease to maintain the authorized activity, or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.

25. If you sell the property associated with this permit, you must provide this office with a copy of the permit and a letter noting your agreement to transfer the permit to the new owner and the new owner's agreement to accept the permit and abide by all conditions of the permit. This letter must be signed by both parties.

26. Many local governing bodies have instituted laws and/or ordinances in order to regulate dredge and/or fill activities in floodplains to assure maintenance of floodwater storage capacity and avoid disruption of drainage patterns that may affect surrounding properties. If your project involves dredging and/or placement of fill, you must contact the local municipal and/or parish governing body regarding potential impacts to floodplains and compliance of your activities with local floodplain ordinances, regulations or permits. Project designs and any associated drainage plans associated with the undertaking shall comply with all local Parish Government, Drainage Authority, Flood Plain Administrator, and/or other applicable agency requirements. Should it be determined by any of these agencies that the project is creating unnatural inundation conditions on adjacent properties, the permittee will be required to remediate the situation, as directed by these agencies. Should there be any changes required in

the project design, the permittee shall coordinate with this office to obtain a permit amendment and/or review and decision on the plans, prior to commencement of those alterations.

27. In issuing authorizations under this permit, the federal government does not assume any liability for: damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes; damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest; damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit, and; design or construction deficiencies associated with the permitted work.

28. All work shall be done in accordance with the approved plans and confined to the permitted work area(s) represented within the attached drawings. If the project requires modifications to the authorized plans, the permittee shall contact this office to obtain a permit amendment and/or review and decision on the plans, prior to commencement of those alterations. The permittee is responsible for ensuring that any contractors and/or workers associated with project construction and implementation, are equally aware of the authorized plans, conditions, and/or restrictions associated with this approval.

29. The permittee shall properly install adequate erosion/siltation control measures around construction areas that require land-based earthwork (i.e., excavation and/or deposition of fill materials, land contouring, machinery rutting, fill maneuvering and redistribution, etc.), to aid in preventing project related sediments, debris and other pollutants from entering adjacent wetlands or waters. Acceptable measures include but are not limited to the proper use and positioning of temporary silt fences, straw bales, fiber/core logs, wooden barriers, seeding or sodding of exposed soils, or other approved EPA construction site storm-water runoff control and best management practices. Control techniques shall be installed prior to the commencement of earthwork activities and maintained until the project is complete and/or the subject areas are stabilized.

## E. AUTHORIZATIONS

No work may be performed under the PGP unless and until:

(1) CEMVN has reviewed the application and has issued a written authorization or, in exceptional cases, a verbal authorization.

(2) All required local, state and other federal permits, licenses, authorizations, and certifications are obtained. This includes, but is not limited to:

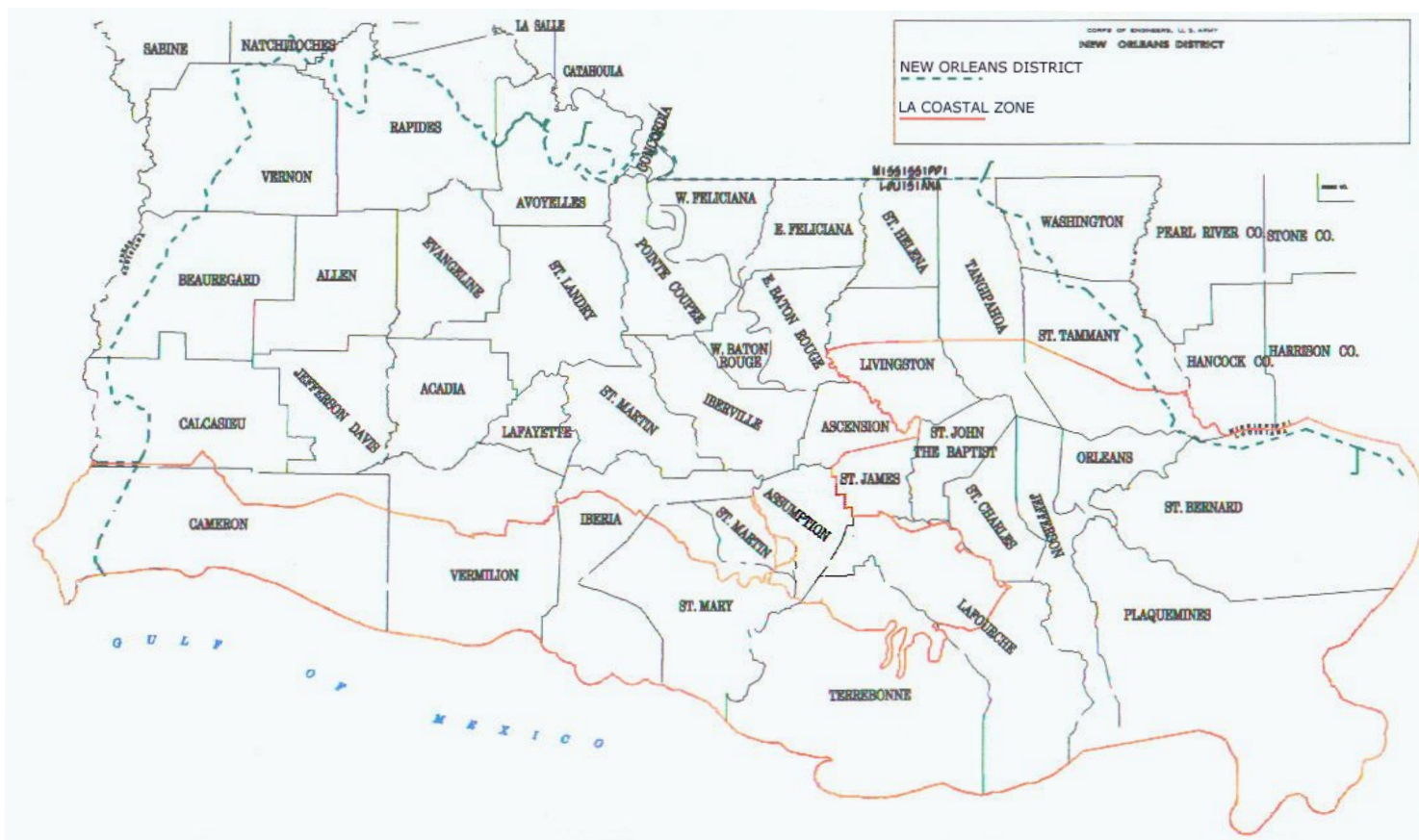
(a) A Coastal Use Permit, consistency determination, or finding of No Direct Significant Impact signed by the Secretary of the Louisiana Department of Natural Resources or his designee, and

The PGP expires on *June 1, 2027*, unless otherwise modified or reissued.

Individual authorizations granted to applicants under this PGP are valid for 5 years from the date of the authorization letter.

BY THE AUTHORITY OF THE SECRETARY OF THE ARMY:

Martin S. Mayer  
Chief, Regulatory Division





**DEPARTMENT OF THE ARMY PERMIT**

Permittee \_\_\_\_\_

Permittee No. \_\_\_\_\_

Issuing Office \_\_\_\_\_

NOTE: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below.

Project Description:

Project Location:

Permit Conditions:

General Conditions:

1. The time limit for completing the work authorized ends on \_\_\_\_\_. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

4. If you sell the property associated with this permit, you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.
5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.
6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

Special Conditions:

Further Information:

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:
  - Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403).
  - Section 404 of the Clean Water Act (33 U.S.C. 1344).
  - Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972 (33 U.S.C. 1413)
2. Limits of the authorization.
  - a. This permit does not obviate the need to obtain other Federal, state, or local authorizations required by law.
  - b. This permit does not grant any property rights or exclusive privileges.
  - c. This permit does not authorize any injury to the property or rights of others.
  - d. This permit does not authorize interference with any existing or proposed Federal project.
3. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:
  - a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.
  - b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or behalf of the United States in the public interest.
  - c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.
  - d. Design or construction deficiencies associated with the permitted work.

e. Damage claims associated with any future modification, suspension, or revocation of this permit.

4. Reliance on Applicant's Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

5. Reevaluation of Permit Decision. This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are limited to, the following:

a. You fail to comply with the terms and conditions of this permit.

b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (See 4 above).

c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you to comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. Extensions. General condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.

Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.

\_\_\_\_\_  
(PERMITEE) (DATE)

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.

\_\_\_\_\_  
(DISTRICT ENGINEER) (DATE)

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

\_\_\_\_\_  
(TRANSFEREE) (DATE)

## **STANDARD MANATEE CONDITIONS FOR IN-WATER ACTIVITIES**

During in-water work in areas that potentially support manatees, all personnel associated with the project shall be instructed and aware of the potential presence of manatees, manatee speed zones, and the need to avoid collisions with, and injury to, manatee. All personnel shall be advised that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act of 1972 and the Endangered Species Act of 1973. Additionally, personnel shall be instructed not to attempt to feed or otherwise interact with the animal.

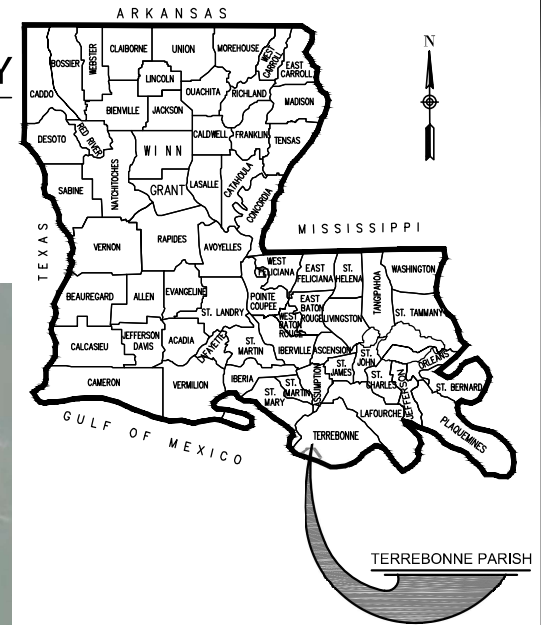
All on-site personnel are responsible for observing water-related activities for the presence of manatee(s). To minimize potential impacts to manatees in areas of their potential presence, the permittee shall insure the following are adhered to:

- All work, equipment, and vessel operation shall cease if a manatee is spotted within a 50-foot radius (buffer zone) of the active work area. Once the manatee has left the buffer zone on its own accord (manatees must not be herded or harassed into leaving), or after 30 minutes have passed without additional sightings of manatee(s) in the buffer zone, in-water work can resume under careful observation for manatee(s).
- If a manatee(s) is sighted in or near the project area, all vessels associated with the project shall operate at “no wake/idle” speeds within the construction area and at all times while in waters where the draft of the vessel provides less than a four-foot clearance from the bottom. Vessels shall follow routes of deep water whenever possible.
- If used, siltation or turbidity barriers shall be properly secured, made of material in which manatees cannot become entangled, and be monitored to avoid manatee entrapment or impeding their movement.
- Temporary signs concerning manatees shall be posted prior to and during all in-water project activities and removed upon completion. Each vessel involved in construction activities shall display at the vessel control station or in a prominent location, visible to all employees operating the vessel, a temporary sign at least 8½" X 11" reading language similar to the following: “CAUTION BOATERS: MANATEE AREA/ IDLE SPEED IS REQUIRED IN CONSTRUCTION AREA AND WHERE THERE IS LESS THAN FOUR FOOT BOTTOM CLEARANCE WHEN MANATEE IS PRESENT”. A second temporary sign measuring 8½" X 11" shall be posted at a location prominently visible to all personnel engaged in water-related activities and shall read language similar to the following: “CAUTION: MANATEE AREA/ EQUIPMENT MUST BE SHUTDOWN IMMEDIATELY IF A MANATEE COMES WITHIN 50 FEET OF OPERATION”.
- Collisions with, injury to, or sightings of manatees shall be immediately reported to the U.S. Fish and Wildlife Service’s, Louisiana Ecological Services Office (337/291-3100) and the Louisiana Department of Wildlife and Fisheries, Natural Heritage Program (225/765-2821). Please provide the nature of the call (i.e., report of an incident, manatee sighting, etc.); time of incident/sighting; and the approximate location, including the latitude and longitude coordinates, if possible.

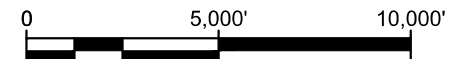
**STATE OF LOUISIANA**  
**COASTAL PROTECTION AND RESTORATION AUTHORITY**  
**HNC ISLAND RESTORATION**  
**TERREBONNE PARISH, LOUISIANA**  
**STATE PROJECT NO. TE-0165**

INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	PROJECT LAYOUT
3	HABITAT LAYOUT
4	EQUIPMENT ACCESS CORRIDOR
5	DREDGE PIPELINE CORRIDOR
6	BORROW AREA
7	COORDINATES
8	TYPICAL SECTIONS
9	DREDGE PIPELINE CORRIDOR TYPICAL SECTION
10	BOOSTER PUMP BARGE TYPICAL SECTION
11	BORROW AREA TYPICAL SECTION
12	PROPOSED ROCK DIKE TYPICAL DETAIL
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14	TIDAL EXCHANGE DETAIL @ ROCK DIKE
15	BREAKWATER TYPICAL DETAIL
16	EQUIPMENT ACCESS CORRIDOR TYPICAL SECTION
17	WARNING SIGN TYPICAL DETAIL
18	GENERAL NOTES



GRID NORTH  
 NORTH REFERENCED TO LOUISIANA  
 STATE PLANE COORDINATE SYSTEM,  
 SOUTH ZONE, NAD 83 (2011),  
 OTHER COORDINATES IN LAT/LONG



SCALE: 1" = 5,000'

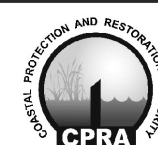
**NOTE:**  
 FOR PERMITTING ONLY. DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE OR SALES.

**ASCE**  
**ALL SOUTH CONSULTING ENGINEERS, L.L.C.**  
 652 PAPWORTH AVENUE  
 METAIRIE, LA 70005  
 (504) 322-2783

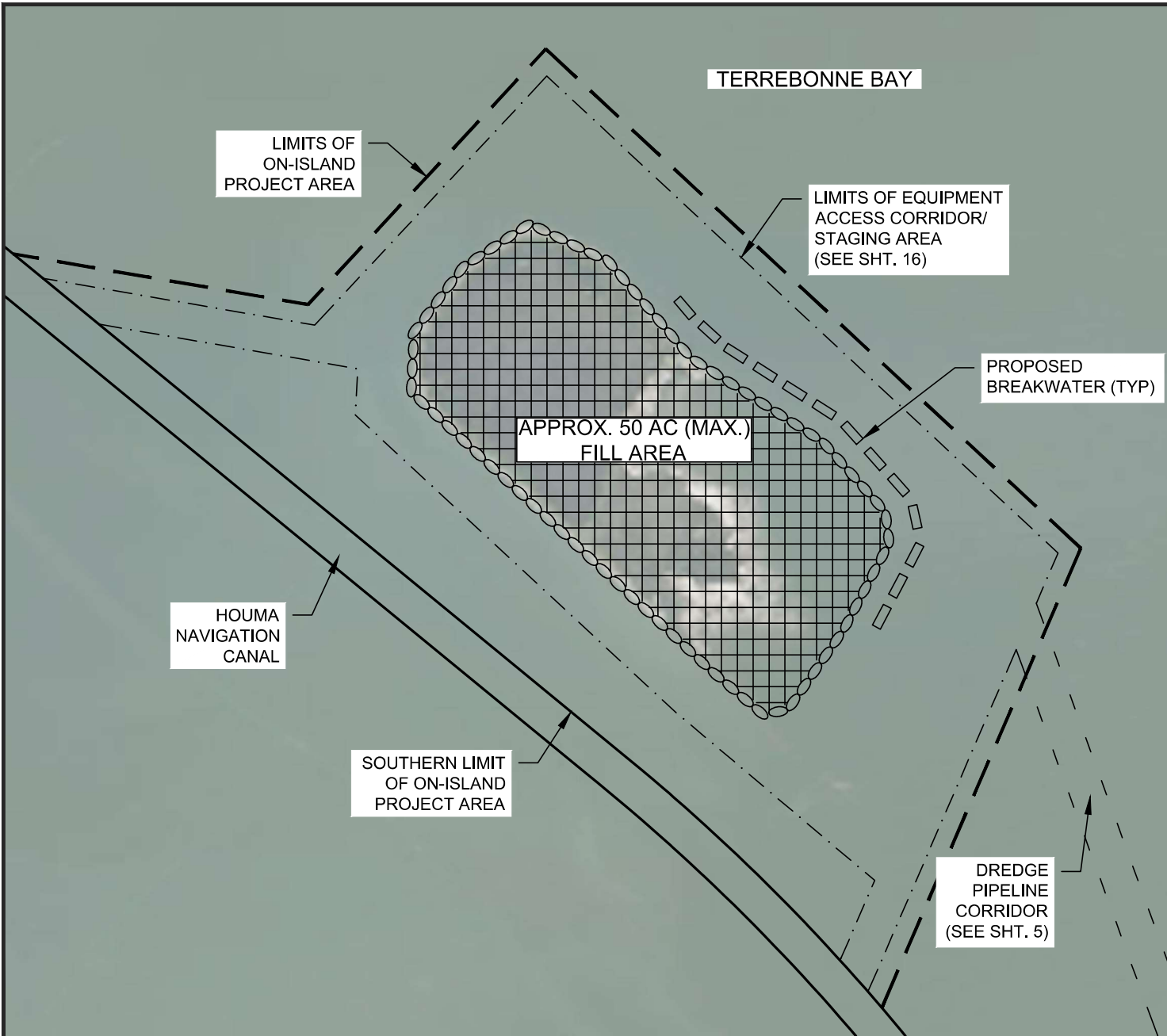
TE-0165 TERREBONNE HNC ISLAND RESTORATION PROJECT

REVISIONS		
DATE	DESCRIPTION	APP'D

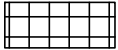






CLIENT:

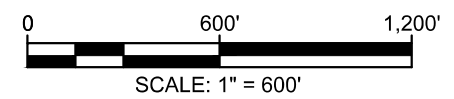


TITLE: TITLE SHEET		
CAL: AGR	SCALE: AS SHOWN	SHT. 1
DR: JNS	PROJ. No. 055-003-01	1
CHK: JEB	DATE: 08/12/2022	



**LEGEND**


-  PROPOSED FILL AREA
-  LIMITS OF ON-ISLAND PROJECT AREA
-  DREDGE PIPELINE CORRIDOR LIMITS
-  EQUIPMENT ACCESS CORRIDOR/STAGING AREA
-  PROPOSED ROCK DIKE (RIP RAP)
-  PROPOSED BREAKWATERS
-  HOUMA NAVIGATION CANAL



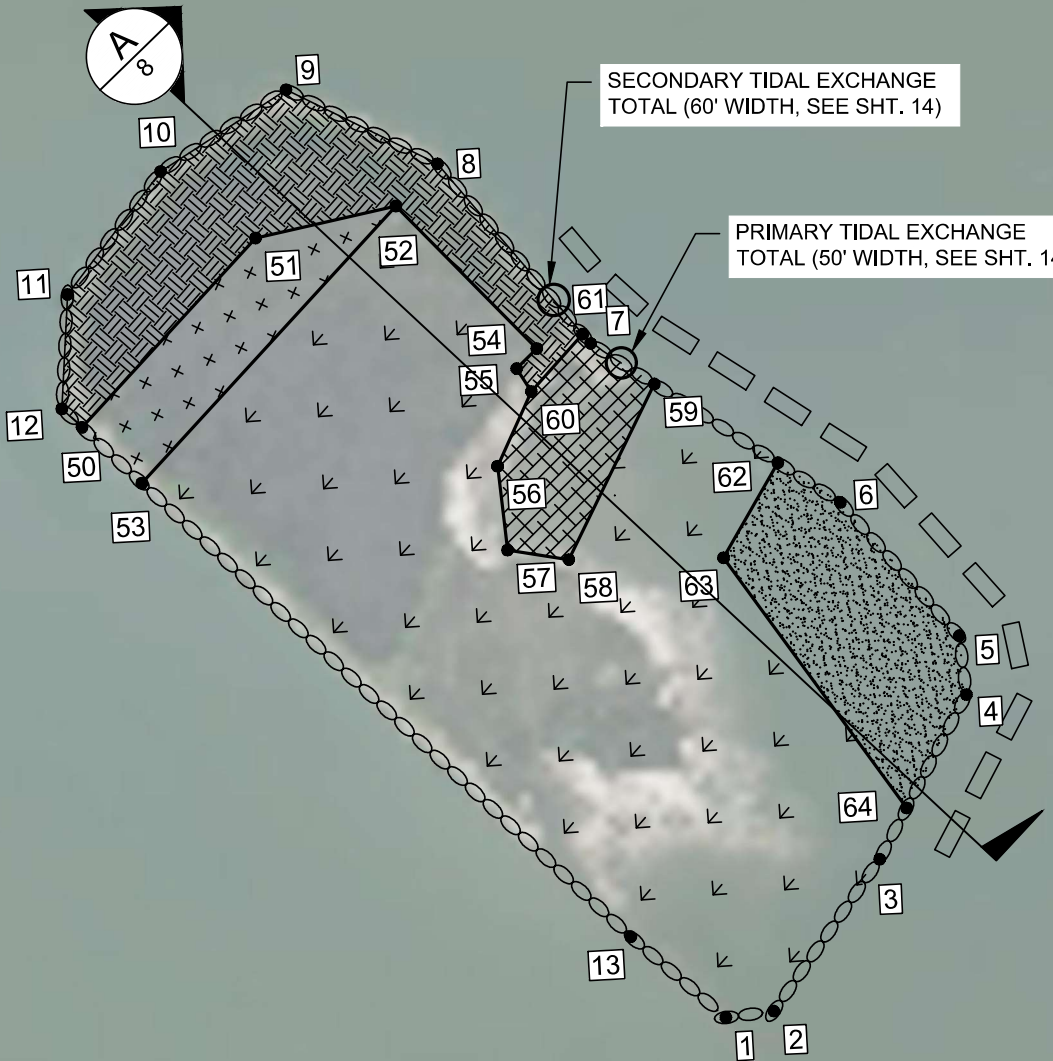
**ASCE**  
**ALL SOUTH CONSULTING ENGINEERS, L.L.C.**  
 652 PAPWORTH AVENUE  
 METAIRIE, LA 70005  
 (504) 322-2783

TE-0165 TERREBONNE HNC  
 ISLAND RESTORATION PROJECT

REVISIONS		
DATE	DESCRIPTION	APP'D

CLIENT: 

TITLE: PROJECT LAYOUT		
CAL: AGR	SCALE: AS SHOWN	SHT. 2
DR: JNS	PROJ. No. 055-003-01	
CHK: JEB	DATE: 08/12/2022	

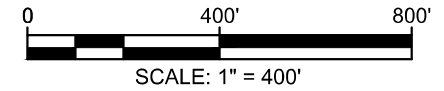


**LEGEND**

-  GROUND NESTING HABITAT (3.9 ACRES)
-  SHRUB HABITAT (29.0 ACRES)
-  MARSH HABITAT (2.0 ACRES)
-  MARSH PROTECTION (5.9 ACRES)
-  MARSH NOURISHMENT (2.6 ACRES)
-  PROPOSED ROCK DIKE (RIP RAP)
-  REFURBISHED ROCK DIKE
-  INTERNAL CONTAINMENT DIKE (3661 LF)
-  BREAK WATER
-  # COORDINATE POINT

**NOTES:**


1. CONTRACTOR TO DEWATER IN MARSH PROTECTION HABITATS, IF NECESSARY.
2. HABITAT ACREAGES SHOWN ARE APPROXIMATE.



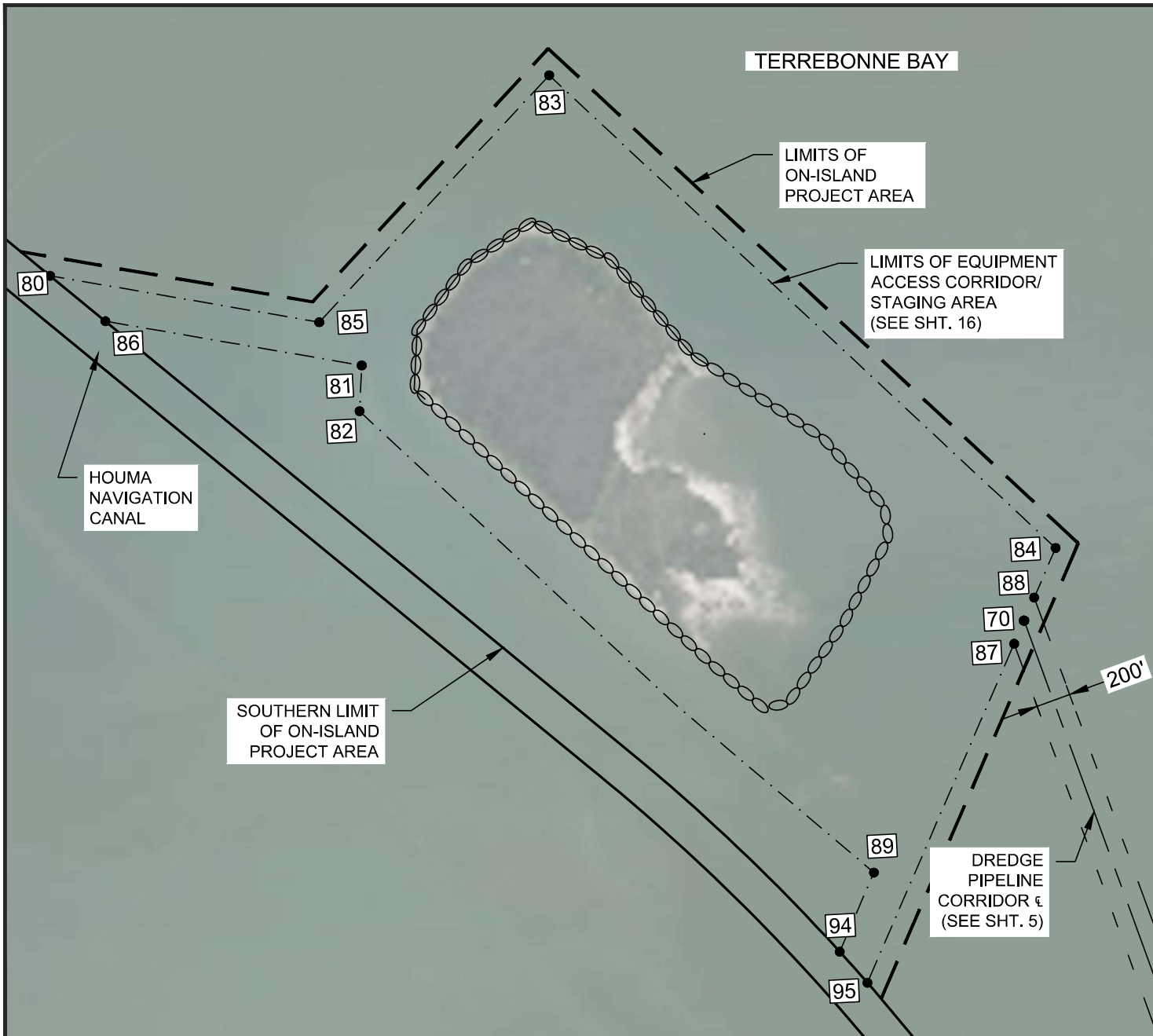
**ASCE**  
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 (504) 322-2783

TE-0165 TERREBONNE HNC  
 ISLAND RESTORATION PROJECT

REVISIONS		
DATE	DESCRIPTION	APP'D

CLIENT: 

TITLE: <b>HABITAT LAYOUT</b>		
CAL: AGR	SCALE: AS SHOWN	SHT. 3
DR: JNS	PROJ. No. 055-003-01	
CHK: JEB	DATE: 08/12/2022	

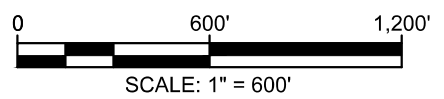


**LEGEND**

- LIMITS OF ON-ISLAND PROJECT AREA
- DREDGE PIPELINE CORRIDOR LIMITS
- DREDGE PIPELINE CORRIDOR CENTERLINE
- EQUIPMENT ACCESS CORRIDOR/STAGING AREA
- REDUCED HEIGHT ROCK DIKE
- PROPOSED ROCK DIKE (RIP RAP)
- HOUMA NAVIGATION CANAL
- COORDINATE POINT

**NOTES:**

1. CONTRACTOR TO STAGE WITHIN EQUIPMENT ACCESS CORRIDOR, AS NEEDED.



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DATE	DESCRIPTION	APP'D

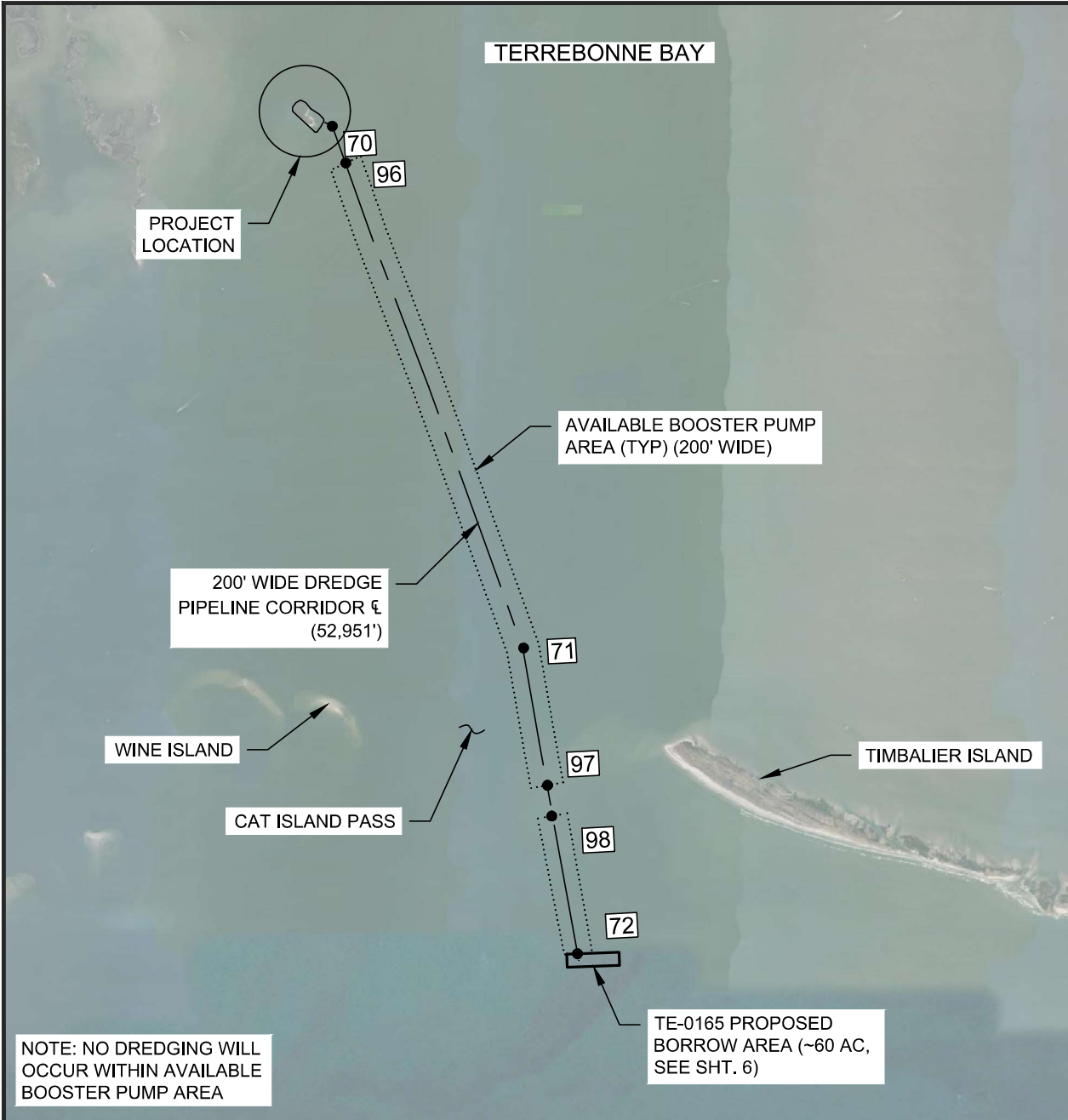
CLIENT:



TITLE: EQUIPMENT ACCESS CORRIDOR		
CAL: AGR	SCALE: AS SHOWN	SHT.
DR: JNS	PROJ. No. 055-003-01	4
CHK: JEB	DATE: 08/12/2022	



TERREBONNE BAY



SCALE: N.T.S.

**LEGEND**

- DREDGE PIPELINE CORRIDOR &
- LIMITS OF BORROW AREA
- COORDINATE POINT
- AVAILABLE BOOSTER PUMP AREA

**BOOSTER PUMP AREA (APPROX)**

Point #	LATITUDE	LONGITUDE
96	N29° 11' 14.18"	W90° 36' 30.40"
97	N29° 04' 56.80"	W90° 34' 14.12"
98	N29° 04' 38.16"	W90° 34' 11.36"
72	N29° 03' 14.64"	W90° 33' 54.78"

NOTE: NO DREDGING WILL OCCUR WITHIN AVAILABLE BOOSTER PUMP AREA

TE-0165 PROPOSED BORROW AREA (~60 AC, SEE SHT. 6)

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REVISIONS		
DATE	DESCRIPTION	APP'D

CLIENT:



TITLE:  
**DREDGE PIPELINE CORRIDOR**

CAL: AGR	SCALE: AS SHOWN	SHT.
DR: JNS	PROJ. No. 055-003-01	5
CHK: JEB	DATE: 08/12/2022	



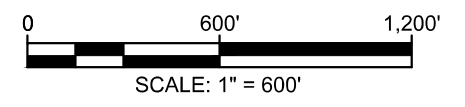
DREDGE PIPELINE  
CORRIDOR ☒

200' WIDE DREDGE  
PIPELINE CORRIDOR  
SEE TYP. SECTION SHT. 9



**LEGEND**

- — — — — DREDGE PIPELINE CORRIDOR LIMITS
- — — — — DREDGE PIPELINE CORRIDOR CENTERLINE
- LIMITS OF BORROW AREA
- BORROW AREA
- COORDINATE POINT



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REVISIONS		
DATE	DESCRIPTION	APP'D

CLIENT:



TITLE: <b>BORROW AREA</b>		
CAL: AGR	SCALE: AS SHOWN	SHT.
DR: JNS	PROJ. No. 055-003-01	6
CHK: JEB	DATE: 08/12/2022	

**DREDGE PIPELINE CORRIDOR (℄)**

Point #	LATITUDE	LONGITUDE
70	N29° 11' 36.51"	W90° 36' 39.57"
71	N29° 06' 19.99"	W90° 34' 29.98"
72	N29° 03' 14.64"	W90° 33' 54.78"

**INTERNAL CONTAINMENT DIKE CENTERLINE (℄)**

Point #	LATITUDE	LONGITUDE
50	N29° 11' 45.41"	W90° 37' 06.36"
51	N29° 11' 49.29"	W90° 37' 02.26"
52	N29° 11' 49.93"	W90° 36' 58.96"
53	N29° 11' 44.25"	W90° 37' 04.97"
54	N29° 11' 46.97"	W90° 36' 55.68"
55	N29° 11' 46.56"	W90° 36' 56.15"
56	N29° 11' 44.55"	W90° 36' 56.61"
57	N29° 11' 42.82"	W90° 36' 56.39"
58	N29° 11' 42.62"	W90° 36' 54.95"
59	N29° 11' 46.23"	W90° 36' 52.92"
60	N29° 11' 46.09"	W90° 36' 55.81"
61	N29° 11' 47.26"	W90° 36' 54.59"
62	N29° 11' 44.59"	W90° 36' 50.02"
63	N29° 11' 42.64"	W90° 36' 51.31"
64	N29° 11' 35.15"	W90° 36' 43.30"

**EQUIPMENT ACCESS CORRIDOR/  
STAGING AREA (℄)**

Point #	LATITUDE	LONGITUDE
80	N29° 11' 50.32"	W90° 37' 23.16"
81	N29° 11' 46.71"	W90° 37' 09.21"
82	N29° 11' 44.92"	W90° 37' 09.32"
83	N29° 11' 58.08"	W90° 37' 00.72"
84	N29° 11' 39.36"	W90° 36' 38.14"
85	N29° 11' 48.43"	W90° 37' 11.10"
86	N29° 11' 48.52"	W90° 37' 20.69"
87	N29° 11' 35.60"	W90° 36' 40.02"
88	N29° 11' 37.47"	W90° 36' 39.11"
89	N29° 11' 26.64"	W90° 36' 46.37"
94	N29° 11' 23.53"	W90° 36' 47.93"
95	N29° 11' 22.30"	W90° 36' 46.70"

**EXTERNAL ROCK DIKE (℄)**

Point #	LATITUDE	LONGITUDE
1	N29° 11' 30.52"	W90° 36' 47.81"
2	N29° 11' 31.91"	W90° 36' 45.17"
3	N29° 11' 33.84"	W90° 36' 43.55"
4	N29° 11' 37.75"	W90° 36' 42.81"
5	N29° 11' 38.71"	W90° 36' 43.00"
6	N29° 11' 43.76"	W90° 36' 48.56"
7	N29° 11' 47.07"	W90° 36' 54.41"
8	N29° 11' 50.79"	W90° 36' 57.98"
9	N29° 11' 52.34"	W90° 37' 01.52"
10	N29° 11' 50.67"	W90° 37' 04.48"
11	N29° 11' 48.15"	W90° 37' 06.69"
12	N29° 11' 45.79"	W90° 37' 06.84"
13	N29° 11' 34.84"	W90° 36' 53.55"

**BORROW AREA**

Point #	LATITUDE	LONGITUDE
90	N29° 03' 14.44"	W90° 34' 01.66"
91	N29° 03' 15.49"	W90° 33' 25.63"
92	N29° 03' 07.58"	W90° 33' 25.26"
93	N29° 03' 06.53"	W90° 34' 01.30"



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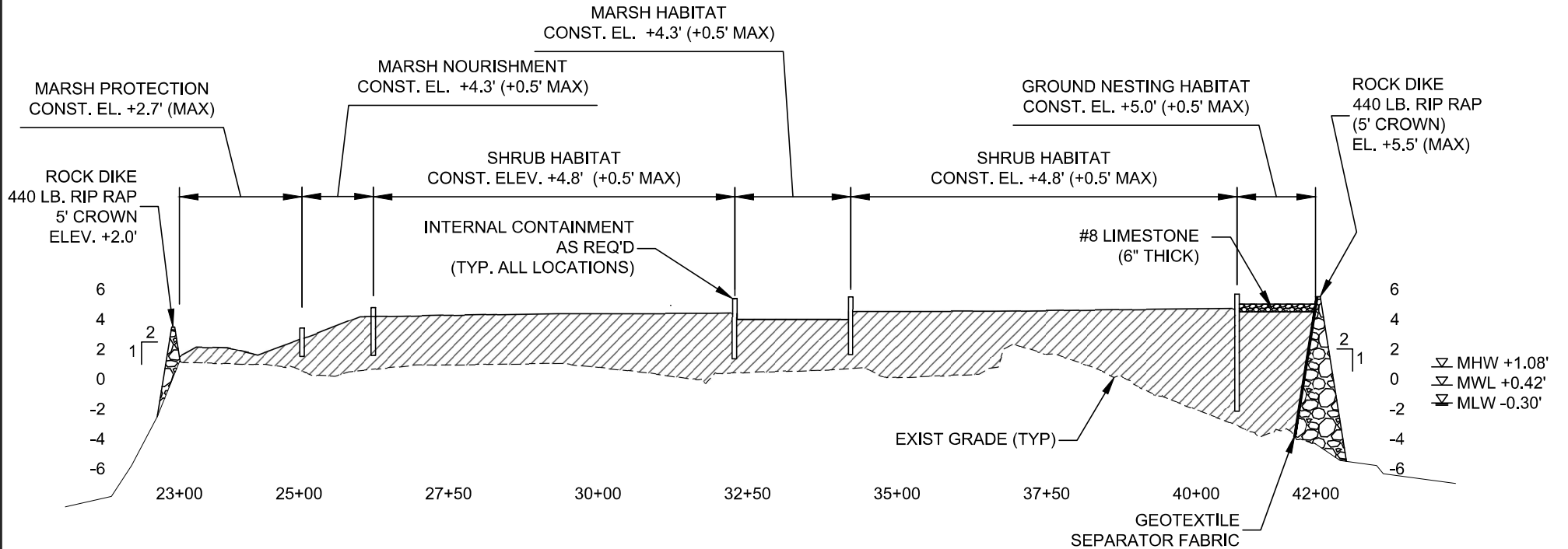
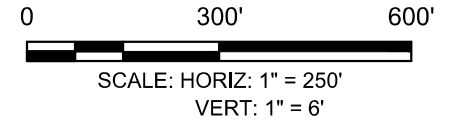
REVISIONS		
DATE	DESCRIPTION	APP'D

CLIENT:



TITLE: **COORDINATES**

CAL: AGR	SCALE: AS SHOWN	SHT. 7
DR: JNS	PROJ. No. 055-003-01	
CHK: JEB	DATE: 08/12/2022	



**A**  
3  
**TYPICAL SECTION**  
SCALE HORIZ: 1" = 250'  
VERT: 1" = 6'

**NOTES:**

1. ALL ELEVATIONS IN NAVD88
2. MATERIAL TYPES ALLOWED IN CONSTRUCTION OF TEMPORARY CONTAINMENT DIKE ARE GRANULAR SAND FILL, SAND BAGS, GEOTUBES, HAY BALES OR SIMILAR BIODEGRADABLE PRODUCT.

**LEGEND**

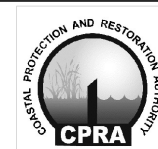
	#8 LIMESTONE		RIP RAP
	INTERNAL CONTAINMENT		REQ'D CONSTRUCTION FILL

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REVISIONS		
DATE	DESCRIPTION	APP'D

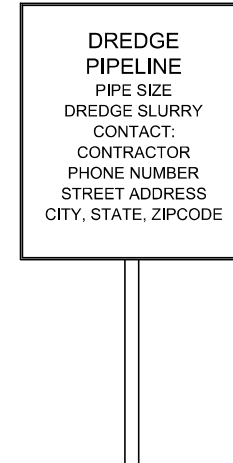
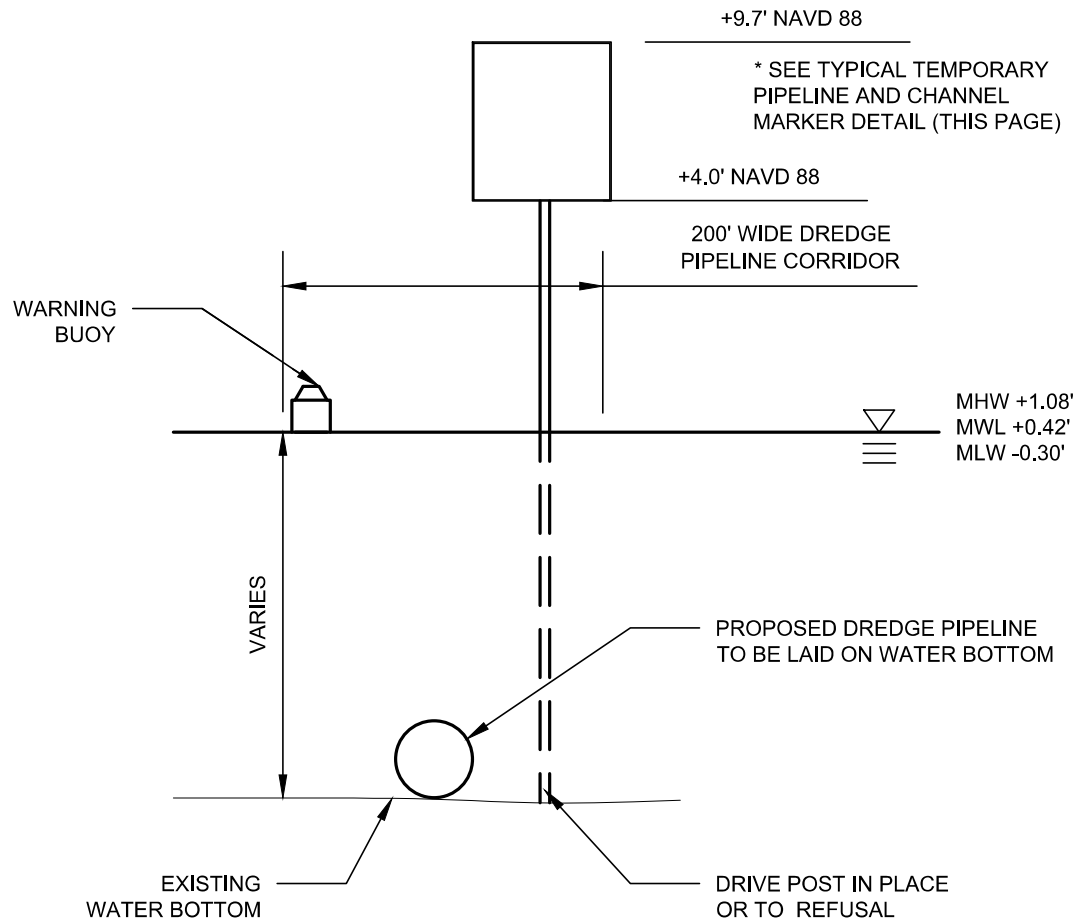
CLIENT:



TITLE:

**TYPICAL SECTION**

CAL: AGR	SCALE: AS SHOWN	SHT.
DR: JNS	PROJ. No. 055-003-01	8
CHK: JEB	DATE: 08/12/2022	



TEMPORARY PIPELINE MARKER  
DETAIL NOTES:

1. MARKERS SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH LADOTD 2006 STANDARD SPECIFICATION 729.
2. A SHOP DRAWING SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION OF THE MARKERS.
3. MARKERS SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF THE DREDGE PIPELINE AND REMOVED AFTER THE REMOVAL OF THE DREDGE PIPELINE.
4. CHANNEL MARKERS AS REQUIRED BY U.S.C.G.

**TEMPORARY PIPELINE AND  
CHANNEL MARKER DETAIL**

SCALE: N.T.S.

NOTES:

1. PIPELINE DIAMETER AND INSTALLATION VARIES ACCORDING TO CONTRACTOR.
2. BUOYS OR SIGNAGE MAY BE USED FOR NAVIGATIONAL WARNINGS.

**DREDGE PIPELINE  
TYPICAL SECTION**

SCALE: N.T.S.

THESE DRAWINGS WERE PREPARED EXCLUSIVELY FOR OBTAINING REGULATORY APPROVAL AND DO NOT PURPORT TO BE CONSTRUCTION DRAWINGS OR SPECIFICATIONS.

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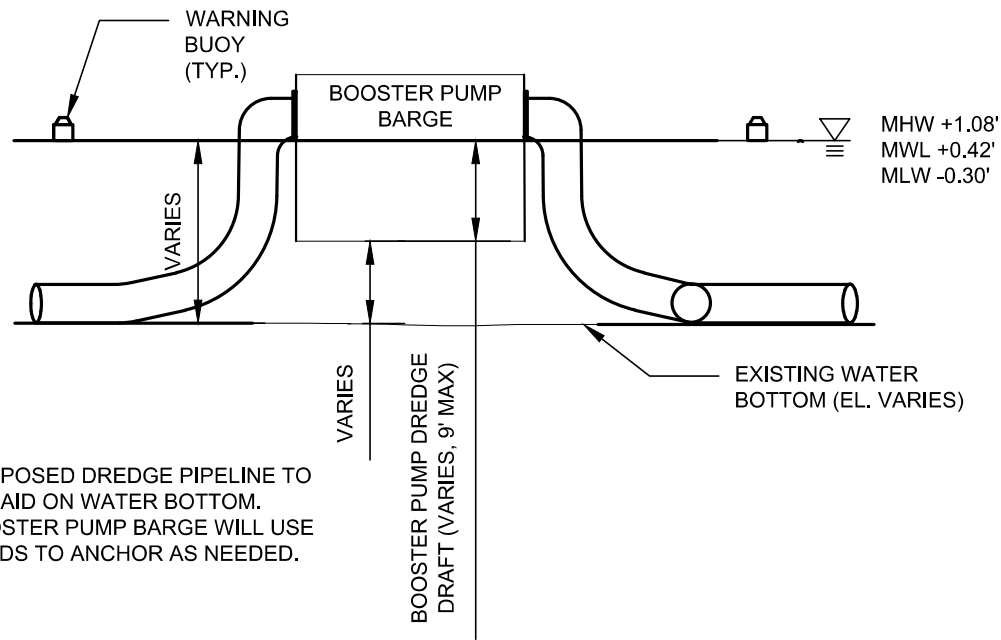
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ISLAND RESTORATION PROJECT

REVISIONS		
DATE	DESCRIPTION	APP'D

CLIENT:



TITLE: DREDGE PIPELINE CORRIDOR TYPICAL SECTION		
CAL: AGR	SCALE: AS SHOWN	SHT.
DR: JNS	PROJ. No. 055-003-01	9
CHK: JEB	DATE: 08/12/2022	



**NOTES:**

1. PROPOSED DREDGE PIPELINE TO BE LAID ON WATER BOTTOM.
2. BOOSTER PUMP BARGE WILL USE SPUDS TO ANCHOR AS NEEDED.

**BOOSTER PUMP BARGE  
TYPICAL SECTION**

SCALE: N.T.S.



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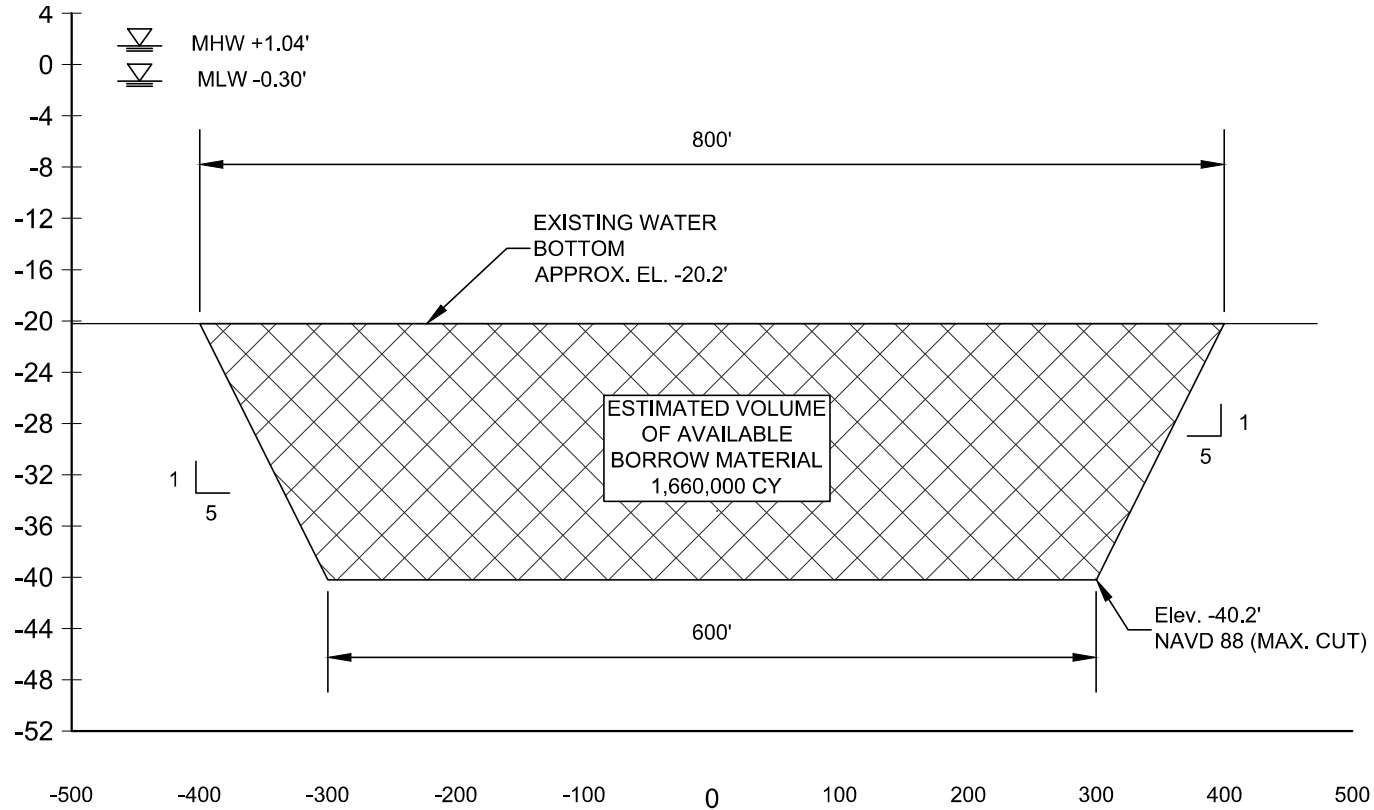
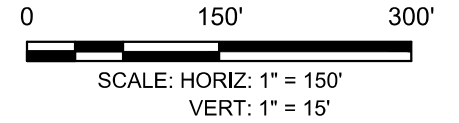
REVISIONS		
DATE	DESCRIPTION	APP'D

CLIENT:



TITLE:  
**BOOSTER PUMP BARGE  
TYPICAL SECTION**

CAL: AGR	SCALE: AS SHOWN	SHT.
DR: JNS	PROJ. No. 055-003-01	10
CHK: JEB	DATE: 08/12/2022	



**BORROW AREA  
TYPICAL SECTION**

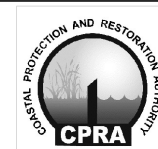
SCALE HORIZ: 1" = 150  
VERT: 1" = 15

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DATE	DESCRIPTION	APP'D

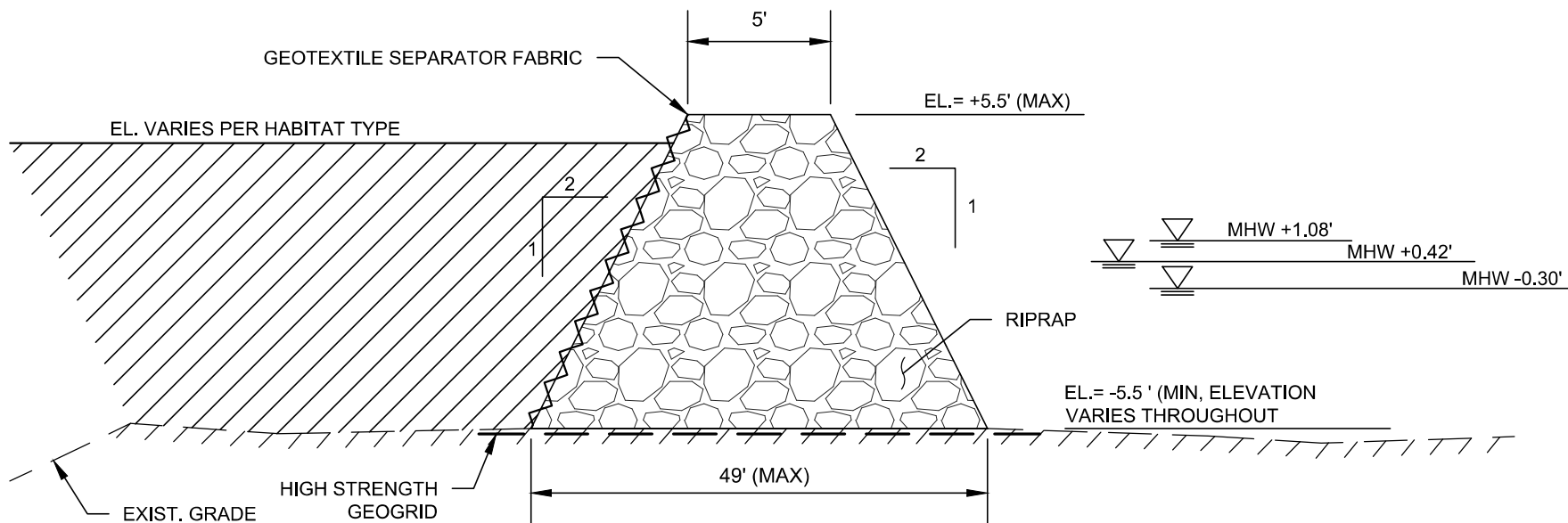
CLIENT:



TITLE:

**BORROW AREA  
TYPICAL SECTION**

CAL: AGR	SCALE: AS SHOWN	SHT.
DR: JNS	PROJ. No. 055-003-01	11
CHK: JEB	DATE: 08/12/2022	



## PROPOSED ROCK DIKE TYPICAL DETAIL

SCALE: N.T.S.

### LEGEND



RIP RAP



REQ'D CONSTRUCTION FILL

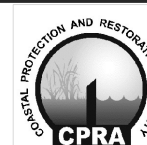


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DATE	DESCRIPTION	APP'D

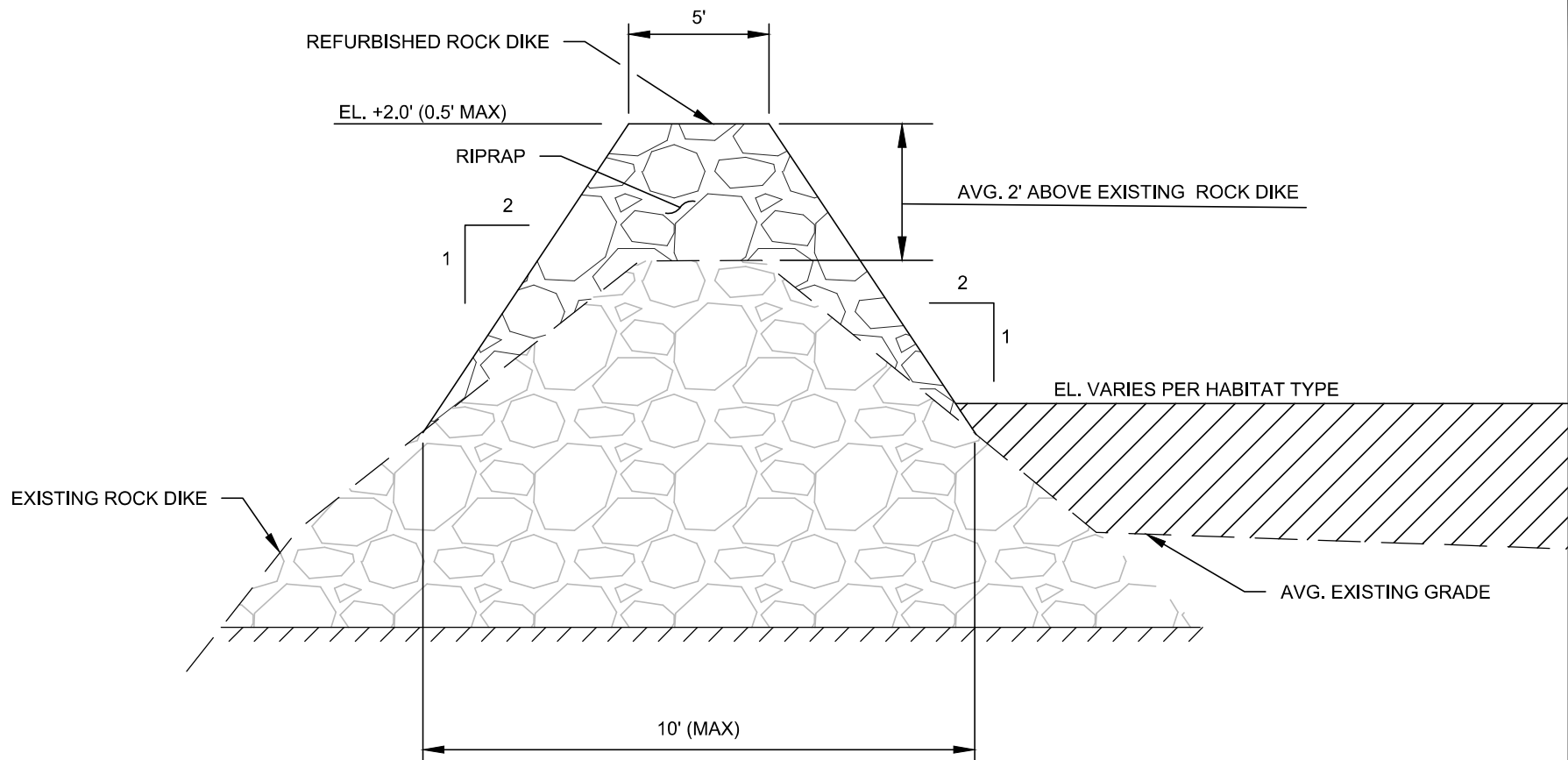
CLIENT:



TITLE:  
**PROPOSED ROCK DIKE  
TYPICAL DETAIL**

CAL: AGR	SCALE: AS SHOWN	SHT.
DR: JNS	PROJ. No. 055-003-01	12
CHK: JEB	DATE: 08/12/2022	





## REFURBISHED ROCK DIKE TYPICAL DETAIL

SCALE: N.T.S.



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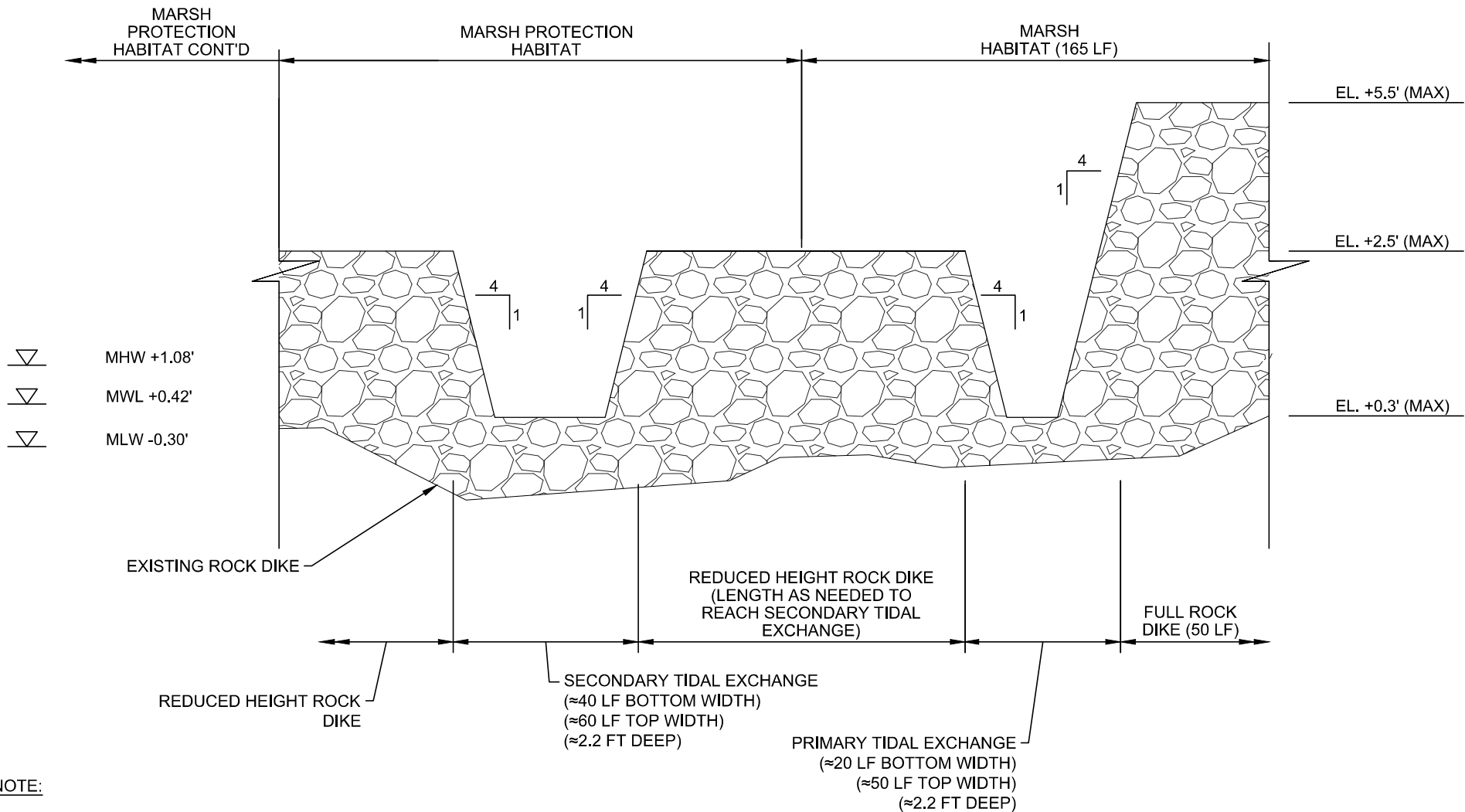
REVISIONS		
DATE	DESCRIPTION	APP'D

CLIENT:



TITLE:  
**REFURBISHED ROCK DIKE  
TYPICAL DETAIL**

CAL: AGR	SCALE: AS SHOWN	SHT.
DR: JNS	PROJ. No. 055-003-01	13
CHK: JEB	DATE: 08/12/2022	



**\* NOTE:**

PRELIMINARY DESIGN ELEVATION AND DIMENSIONS FOR INFORMATIONAL USE. FINAL DESIGN ELEVATION AND TIDAL EXCHANGE DIMENSIONS WILL BE DETERMINED TO PROVIDE APPROXIMATELY 70% INUNDATION PERCENTILE IN SECTIONS OF EXISTING MARSH NOURISHMENT HABITAT.

**TIDAL EXCHANGE DETAIL @  
ROCK DIKE**  
SCALE: N.T.S.

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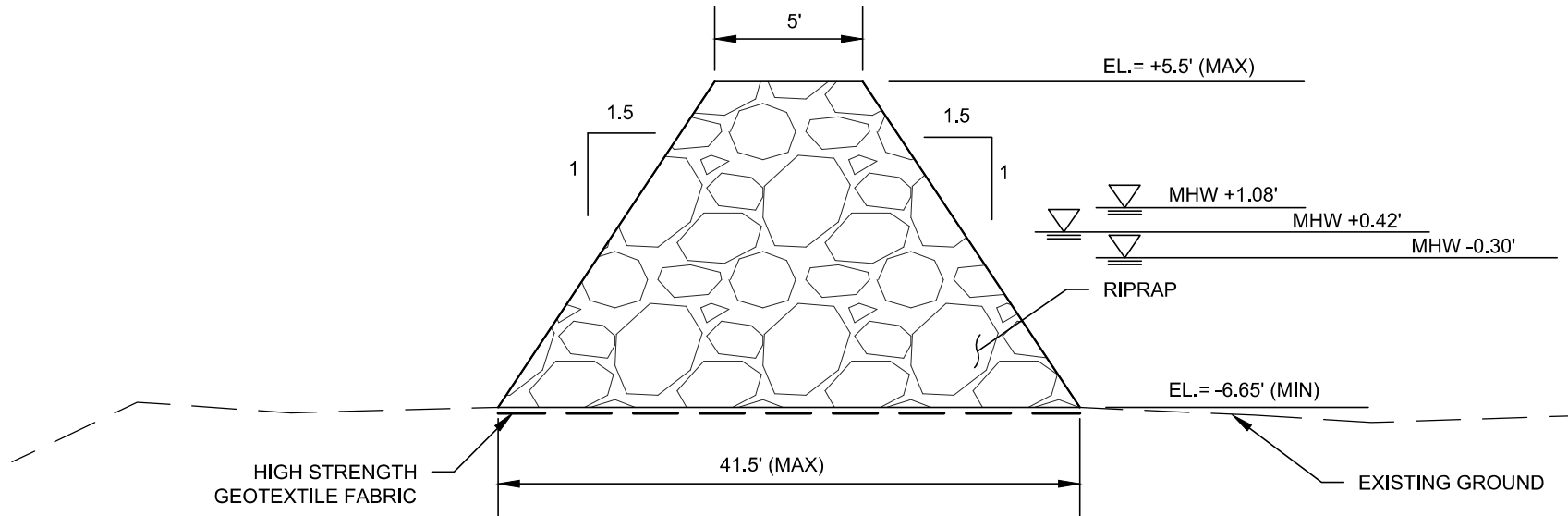
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DATE	DESCRIPTION	APP'D

CLIENT:

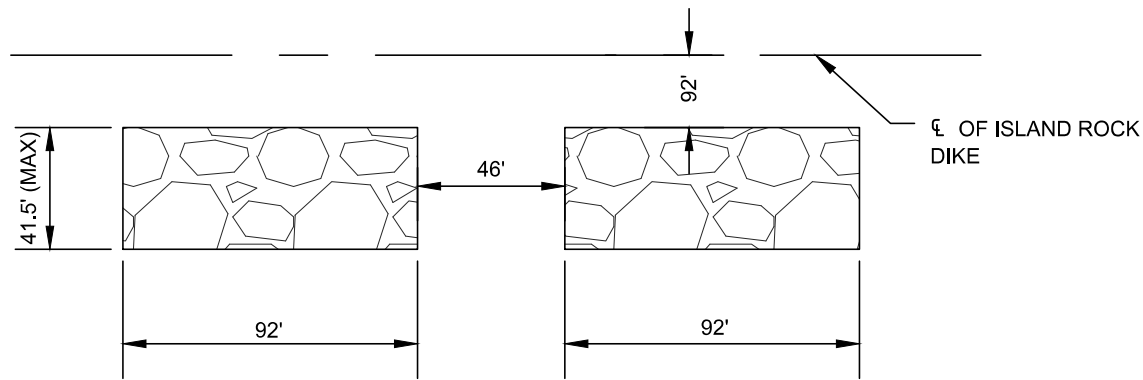


TITLE: TIDAL EXCHANGE DETAIL @ ROCK DIKE		
CAL: AGR	SCALE: AS SHOWN	SHT.
DR: JNS	PROJ. No. 055-003-01	14
CHK: JEB	DATE: 08/12/2022	



**BREAKWATER TYPICAL DETAIL**

SCALE: N.T.S.



**BREAKWATER PLAN VIEW**

SCALE: N.T.S.



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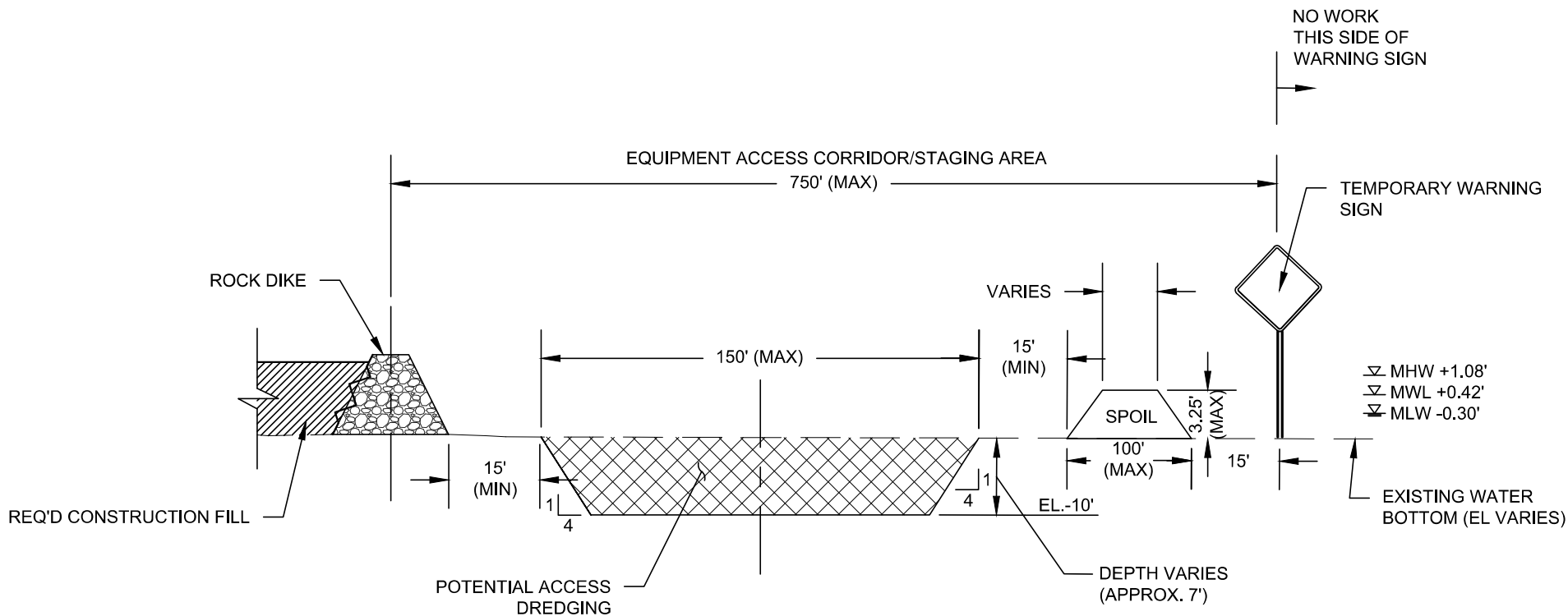
REVISIONS		
DATE	DESCRIPTION	APP'D

CLIENT:



TITLE: **BREAK WATER TYPICAL DETAIL**

CAL: AGR	SCALE: AS SHOWN	SHT.
DR: JNS	PROJ. No. 055-003-01	15
CHK: JEB	DATE: 08/12/2022	



## EQUIPMENT ACCESS CORRIDOR/STAGING TYPICAL SECTION

SCALE: N.T.S.

### LEGEND

- POTENTIAL ACCESS DREDGING
- RIP RAP
- REQ'D CONSTRUCTION FILL

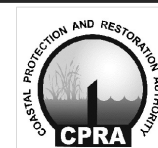
NOTE: CONTRACTOR SHALL DREDGE FOR ACCESS AS REQUIRED.  
MAX DREDGE WIDTH SHOWN SHALL NOT OCCUR IN ALL LOCATIONS.

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CLIENT:



TITLE: EQUIPMENT ACCESS CORRIDOR TYPICAL SECTION		
CAL: AGR	SCALE: AS SHOWN	SHT.
DR: JNS	PROJ. No. 055-003-01	16
CHK: JEB	DATE: 08/12/2022	

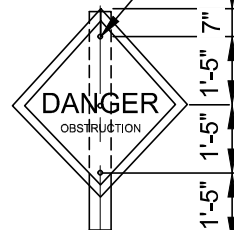
SIGN (3/16" PLATE  
ALUMINUM 5052-H34)

5/8"Ø ASTM A36 BOLTS WITH  
OGEEE WASHERS (3 REQUIRED  
FOR EACH SIGN)

3/4"Ø HOLES FOR  
5/8"Ø BOLTS

TIMBER POST (LENGTH  
AND DIAMETER TO BE  
SELECTED BY  
CONTRACTOR)

2" WIDE REFLECTIVE  
TAPE (TYP)



2" WIDE REFLECTIVE  
TAPE (TYP)

TIMBER POST (LENGTH  
AND DIAMETER TO BE  
SELECTED BY  
CONTRACTOR)

POST DETAIL

TEMPORARY WARNING SIGN

WARNING SIGN  
TYPICAL DETAIL

SCALE: 1"=4'

NOTE:  
SIGN/POST ELEVATION TO COMPLY WITH  
USCG AIDS TO NAVIGATION STANDARDS.



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REVISIONS		
DATE	DESCRIPTION	APP'D

CLIENT:



TITLE:  
**WARNING SIGN  
TYPICAL DETAIL**

CAL: AGR	SCALE: AS SHOWN	SHT.
DR: JNS	PROJ. No. 055-003-01	17
CHK: JEB	DATE: 08/12/2022	

1. AS-BUILT DRAWINGS AND/OR PLATS SHALL HAVE WRITTEN ON THEM THE DATE OF COMPLETION OF SAID ACTIVITIES AND SHALL BE SUBMITTED TO THE LOUISIANA DEPARTMENT OF NATURAL RESOURCES, OFFICE OF COASTAL MANAGEMENT, P.O. BOX 44487, BATON ROUGE, LA 70804-4487 WITHIN 30 DAYS FOLLOWING PROJECT COMPLETION.
2. ALL STRUCTURES BUILT UNDER THE AUTHORIZATION AND CONDITIONS OF THIS PERMIT SHALL BE REMOVED FROM THE SITE WITHIN 120 DAYS OF ABANDONMENT OF THE FACILITIES FOR THE HEREIN PERMITTED USE, OR WHEN THESE STRUCTURES FALL INTO A STATE OF DISREPAIR SUCH THAT THEY CAN NO LONGER FUNCTION AS INTENDED. THIS CONDITION DOES NOT PRECLUDE THE NECESSITY FOR REVISING THE CURRENT PERMIT OR OBTAINING A SEPARATE COASTAL USE PERMIT, SHOULD ONE BE REQUIRED, FOR SUCH REMOVAL ACTIVITIES.
3. STRUCTURES MUST ALSO BE MARKED/LIGHTED IN ACCORDANCE WITH U.S. COAST GUARD REGULATIONS.
4. IN ORDER TO ENSURE THE SAFETY OF ALL PARTIES, THE PERMITTEE SHALL CONTACT THE LOUISIANA ONE CALL SYSTEM (1-800-272-3020) A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION (DIGGING, DREDGING, JETTING, ETC.) OR DEMOLITION ACTIVITY.
5. CONSTRUCTION EQUIPMENT DRAFT DEPTH SHALL NOT BE MORE THAN CHANNEL DEPTH.
6. THE CONTRACTOR SHALL DECANT SUPERNATANT WATER INTO THE DEWATERING AREA USING STRUCTURES SUCH AS WEIRS OR SPILL BOXES. THE LOSS OF FINE-GRAINED MATERIAL MAY BE FURTHER REDUCED THROUGH THE USE OF INTERNAL TRAINING DIKES, HAY BALES, OR SILT FENCES.
7. ANTICIPATED EQUIPMENT INCLUDES BUT NOT LIMITED TO MARSH BUGGIES, AIRBOATS AND ANCILLARY SEDIMENT PIPELINE EQUIPMENT (Y-VALVES, ADDITIONAL SECTIONS OF PIPE), TUGBOAT, SELF PROPELLED PIPE LAYING BARGE; OTHER TRACKED OR WHEELED VEHICLES. BULLDOZER/GRADER, HYDRAULIC DREDGE.
8. THE GENERAL DIMENSION OF THE EQUIPMENT IS UNKNOWN DUE TO THE BID PROCESS AND ALL EQUIPMENT WILL STAY WITHIN PERMITTED FOOTPRINT.

**ASCE**  
**ALL SOUTH CONSULTING ENGINEERS, L.L.C.**  
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TE-0165 TERREBONNE HNC  
 ISLAND RESTORATION PROJECT

REVISIONS		
DATE	DESCRIPTION	APP'D

CLIENT:



TITLE: **GENERAL NOTES**

CAL: AGR	SCALE: AS SHOWN	SHT.
DR: JNS	PROJ. No. 055-003-01	18
CHK: JEB	DATE: 08/12/2022	